NSCAS NEBRASKA STUDENT-CENTERED ASSESSMENT SYSTEM

Spring 2018 NSCAS Summative ELA, Mathematics, and Science Technical Report – Appendices

nwea

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Appendix A: Table of Specifications (TOS)

NSCAS - ELA Table of Specifications

LA 3.1	Reading: Students will learn and apply reading skills and strategies to comprehend text.	Grade 3 Reading Vocabulary				
LA 3.1.5	Vocabulary: Students will build and use conversational, academic, and content-specific grade-level vocabulary.	Passage Type	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 3.1.5.a	Determine meaning of words through the knowledge of word structure elements, known words, and word patterns (e.g., contractions, plurals, possessives, parts of speech, syllables, affixes, base and root words, abbreviations).	L/I	MC ASCR	1, 2	1 — 4	
LA 3.1.5.b	Apply context clues (e.g., word, phrase, and sentence clues) and text features to help infer meaning of unknown words.	L/I	MC ASCR	2	2 — 5	
LA 3.1.5.c	Acquire new academic and content-specific grade-level vocabulary, relate to prior knowledge, and apply in new situations.	Assessed at the local level				
LA 3.1.5.d	Identify semantic relationships (e.g., synonyms, antonyms, homographs, homophones, multiple-meaning words) to determine the meaning of words, aid in comprehension, and improve writing.	L/I	MC ASCR	1, 2	2 — 5	
LA 3.1.5.e	Locate words and determine meaning using reference materials.	Assessed at the local level				
Grade 3 Vocabulary Total					6 — 8	8 — 10

LA 3.1	Reading: Students will learn and apply reading skills and strategies to comprehend text.	Grade 3 Reading Comprehension				
LA 3.1.6	Comprehension: Students will construct meaning by applying prior knowledge, using text information, and monitoring comprehension while reading increasingly complex grade-level literary and informational text.	Passage Type	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 3.1.6.a	Identify author's purpose(s) (e.g., explain, entertain, inform, persuade) to support text comprehension.	L/I	MC ASCR EBSR	2, 3	1 — 4	
LA 3.1.6.b	Identify and describe elements of literary text (e.g., characters, setting, plot, point of view).	L	MC ASCR EBSR	1, 2, 3	2 — 5	
LA 3.1.6.c	Identify and explain why authors use literary devices (e.g., simile, alliteration, onomatopoeia, imagery, rhythm, personification, hyperbole, idioms).	L/I	MC ASCR EBSR	1, 2, 3	2 — 4	
LA 3.1.6.d	Summarize a literary text and/or media, using key details to identify the theme.	L	MC ASCR EBSR	2, 3	1 — 4	
LA 3.1.6.e	Determine main ideas and supporting details from informational text and/or media.	I	MC ASCR EBSR	2, 3	1 — 3	
LA 3.1.6.f	Use text features to locate information and explain how the information contributes to an understanding of print and digital text.	L/I	MC ASCR EBSR	2, 3	1 — 2	
LA 3.1.6.g	Compare and contrast the characteristics that distinguish a variety of literary and informational texts.	L/I	MC ASCR EBSR	2, 3	1 — 4	
LA 3.1.6.h	Compare and contrast similar themes, topics, and/or patterns of events in literary and informational texts to develop a multicultural perspective.	L/I	MC ASCR EBSR	2, 3	0 — 3	
LA 3.1.6.i	Construct and/or answer literal and inferential questions and support answers with specific evidence from the text or additional sources.	L/I	MC ASCR EBSR	1, 2, 3	1 — 5	
LA 3.1.6.j	Identify and apply knowledge of organizational patterns to comprehend informational text (e.g., sequence, description, cause and effect, compare/contrast).	I	MC ASCR EBSR	2, 3	1 — 4	

LA 3.1.6.k	Select text and explain the purpose (e.g., answer a question, solve problems, enjoy, form an opinion, understand a specific viewpoint, predict outcomes, discover models for own writing, accomplish a task).	Assessed at the local level		
LA 3.1.6.l	Build background knowledge and activate prior knowledge to identify text-to-self, text-to-text, and text-to-world connections before, during, and after reading.	Assessed at the local level		
LA 3.1.6.m	Self-monitor comprehension by recognizing when meaning is disrupted and apply strategies to clarify, confirm, or correct.	Assessed at the local level		
LA 3.1.6.n	Make and confirm/modify predictions and inferences before, during, and after reading literary, informational, digital text, and/or media.	Assessed at the local level		
LA 3.1.6.o	Demonstrate an understanding of text via multiple mediums (e.g., writing, artistic representation, video, other media).	Assessed at the local level		
LA 3.1.6.p	Make connections between the text of a story, drama, or poem and a visual or oral presentation of the text.	Assessed at the local level		
Grade 3 Comprehension Total			19 — 21	23 — 25

LA 3.2	Writing: Students will learn and apply writing skills and strategies to communicate.	Grade 3 Writing Skills			
LA 3.2.1	Writing Process: Students will apply the writing process to plan, draft, revise, edit, and publish writing using correct spelling, grammar, punctuation, and other conventions of standard English appropriate for grade-level.	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 3.2.1.a	Use prewriting activities and inquiry tools to generate ideas and organize information.	Assessed at the local level			
LA 3.2.1.b	Generate a draft that develops a clear topic suited to the purpose and intended audience and organizational pattern, including a clear introduction, body, and conclusion with appropriate transitions.	MC ASCR EBSR	2, 3	0 — 1	
LA 3.2.1.c	Gather and use relevant information and evidence from one or more authoritative print and/or digital sources to support claims or theses.	MC ASCR EBSR	2, 3	1 — 3	
LA 3.2.1.d	Compose paragraphs with grammatically correct sentences of varying length, complexity, and type.	MC ASCR EBSR	2, 3	0 — 1	
LA 3.2.1.e	Revise to improve and clarify writing through self-monitoring strategies and feedback from others.	Assessed at the local level			
LA 3.2.1.f	Provide oral and/or written descriptive feedback to other writers.	Assessed at the local level			
LA 3.2.1.g	Adjust writing processes to persevere in short and long-term writing tasks of increasing length and complexity.	Assessed at the local level			
LA 3.2.1.h	Proofread and edit writing recursively for format and conventions of standard English (e.g., spelling, capitalization, grammar,	Assessed at the local level			
LA 3.2.1.i	Display academic honesty and integrity by avoiding plagiarism and/or overreliance on any one source and by following a standard format for citation.	MC ASCR EBSR	2, 3	0 — 2	
LA 3.2.1.j	Publish a legible document in manuscript, cursive, or digital format, and apply formatting techniques (e.g., indenting paragraphs, title).	Assessed at the local level			

LA 3.2	Writing: Students will learn and apply writing skills and strategies to communicate.	Grade 3 Writing Skills			
LA 3.2.2	Writing Modes: Student will write in multiple modes for a variety of purposes and audiences across disciplines.	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 3.2.2.a	Communicate information and ideas effectively in analytic, descriptive, informative, narrative, poetic, persuasive, and reflective modes to multiple audiences using a variety of media and formats.	Assessed at the local level			
LA 3.2.2.b	Provide evidence from literary or informational text to support ideas or opinions.	MC ASCR EBSR	2, 3	0 — 2	
LA 3.2.2.c	Conduct and publish research to answer questions or solve problems using multiple resources to support theses.	Assessed at the local level			
LA 3.2.2.d	Use precise word choice and domain-specific vocabulary to write in a variety of modes.	MC ASCR EBSR	2, 3	0 — 2	
LA 3.2.2.e	Compare various mentor texts and/or exemplars to create a similar piece.	Assessed at the local level			
Grade 3 Writing Total				8	12

Passage Type (50% Literary/50% Informational)

L	Literary (poems, narratives, realistic fiction, historical fiction, fantasy, legends/myths, etc)
I	Informational (biographies, instructional/how-tos, articles, essays, science and social studies topics, etc)

Item Type

MC	Multiple-choice, single select
ASCR	Multiple-select, hot spot highlight, drag and drop
EBSR	Evidence-based selected response

NSCAS - ELA Table of Specifications

LA 4.1	Reading: Students will learn and apply reading skills and strategies to comprehend text.	Grade 4 Reading Vocabulary				
LA 4.1.5	Vocabulary: Students will build and use conversational, academic, and content-specific grade-level vocabulary.	Passage Type	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 4.1.5.a	Apply knowledge of word structure elements, known words, and word patterns to determine meaning (e.g., plurals, possessives, parts of speech, affixes, base and root words).	L/I	MC ASCR	1, 2	1 — 4	
LA 4.1.5.b	Apply context clues (e.g., word, phrase, and sentence, and paragraph clues) and text features to infer meaning of unknown words.	L/I	MC ASCR	2	2 — 5	
LA 4.1.5.c	Acquire new academic and content-specific grade-level vocabulary, relate to prior knowledge, and apply in new situations.	Assessed at the local level				
LA 4.1.5.d	Identify semantic relationships (e.g., synonyms, antonyms, homographs, homophones, multiple-meaning words) to determine the meaning of words, aid in comprehension, and improve writing.	L/I	MC ASCR	1, 2	2 — 5	
LA 4.1.5.e	Determine meaning using reference materials.	Assessed at the local level				
Grade 4 Vocabulary Total					6 — 8	8 — 10

LA 4.1	Reading: Students will learn and apply reading skills and strategies to comprehend text.	Grade 4 Reading Comprehension				
LA 4.1.6	Comprehension: Students will construct meaning by applying prior knowledge, using text information, and monitoring comprehension while reading increasingly complex grade-level literary and informational text.	Passage Type	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 4.1.6.a	Examine text to determine author's purpose(s) and describe how author's perspective (e.g., beliefs, assumptions, biases) influences text.	L/I	MC ASCR EBSR	2, 3	1 — 4	
LA 4.1.6.b	Identify and describe elements of literary text (e.g., characters, setting, plot, point of view, theme).	L	MC ASCR EBSR	1, 2, 3	2 — 5	
LA 4.1.6.c	Identify and explain why authors use literary devices (e.g., simile, metaphor, alliteration, onomatopoeia, imagery, rhythm, personification, hyperbole, idioms).	L/I	MC ASCR EBSR	1, 2, 3	2 — 4	
LA 4.1.6.d	Summarize a literary text and/or media, using key details to identify the theme.	L	MC ASCR EBSR	2, 3	1 — 4	
LA 4.1.6.e	Determine main ideas and supporting details from informational text and/or media.	I	MC ASCR EBSR	2, 3	1 — 3	
LA 4.1.6.f	Use text features to locate information and explain how the information contributes to an understanding of print and digital text.	L/I	MC ASCR EBSR	2, 3	1 — 2	
LA 4.1.6.g	Compare and contrast the characteristics that distinguish a variety of literary and informational texts.	L/I	MC ASCR EBSR	2, 3	1 — 4	
LA 4.1.6.h	Compare and contrast similar themes, topics, and/or patterns of events in literary and informational texts to develop a multicultural perspective.	L/I	MC ASCR EBSR	2, 3	0 — 3	
LA 4.1.6.i	Construct and/or answer literal, inferential, and critical questions and support answers with explicit evidence from the text or additional sources.	L/I	MC ASCR EBSR	1, 2, 3	1 — 5	
LA 4.1.6.j	Identify and apply knowledge of organizational patterns to comprehend informational text (e.g., sequence, description, cause and effect, compare/contrast, fact/opinion).	I	MC ASCR EBSR	2, 3	1 — 4	

LA 4.1.6.k	Select text and explain the purpose (e.g., answer a question, solve problems, enjoy, form an opinion, understand a specific viewpoint, predict outcomes, discover models for own writing, accomplish a task).	Assessed at the local level
LA 4.1.6.l	Build background knowledge and activate prior knowledge to identify text-to-self, text-to-text, and text-to-world connections before, during, and after reading.	Assessed at the local level
LA 4.1.6.m	Self-monitor comprehension by recognizing when meaning is disrupted and apply strategies to clarify, confirm, or correct.	Assessed at the local level
LA 4.1.6.n	Make and confirm/modify predictions and inferences before, during, and after reading literary, informational, digital text, and/or media.	Assessed at the local level
LA 4.1.6.o	Demonstrate an understanding of text via multiple mediums (e.g., writing, artistic representation, video, other media).	Assessed at the local level
LA 4.1.6.p	Compare and contrast the text of a story, drama, or poem and a visual or oral presentation of the text.	Assessed at the local level
Grade 4 Comprehension Total		**19 — 21 23 — 25**

LA 4.2	Writing: Students will learn and apply writing skills and strategies to communicate.	Grade 4 Writing Skills			
LA 4.2.1	Writing Process: Students will apply the writing process to plan, draft, revise, edit, and publish writing using correct spelling, grammar, punctuation, and other conventions of standard English appropriate for grade-level.	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 4.2.1.a	Use prewriting activities and inquiry tools to generate ideas, organize information, guide writing, and answer questions.	Assessed at the local level			
LA 4.2.1.b	Generate a draft that develops a clear topic suited to the purpose and intended audience and organizational pattern, including a clear introduction, body, and conclusion with appropriate transitions.	MC ASCR EBSR	2, 3	0 — 1	
LA 4.2.1.c	Gather and use relevant information and evidence from multiple authoritative print and/or digital sources to support claims or theses.	MC ASCR EBSR	2, 3	1 — 3	
LA 4.2.1.d	Compose paragraphs with grammatically correct sentences of varying length, complexity, and type.	MC ASCR EBSR	2, 3	0 — 1	
LA 4.2.1.e	Revise to improve and clarify writing through self-monitoring strategies and feedback from others.	Assessed at the local level			
LA 4.2.1.f	Provide oral, written, and/or digital descriptive feedback to other writers.	Assessed at the local level			
LA 4.2.1.g	Adjust writing processes to persevere in short and long-term writing tasks of increasing length and complexity.	Assessed at the local level			
LA 4.2.1.h	Proofread and edit writing recursively for format and conventions of standard English (e.g., spelling, capitalization, grammar, punctuation, syntax, semantics).	Assessed at the local level			
LA 4.2.1.i	Display academic honesty and integrity by avoiding plagiarism and/or overreliance on any one source and by following a standard format for citation.	MC ASCR EBSR	2, 3	0 — 2	
LA 4.2.1.j	Publish a legible document in manuscript, cursive, or digital format, and apply formatting techniques (e.g., indenting paragraphs, title).	Assessed at the local level			

LA 4.2	Writing: Students will learn and apply writing skills and strategies to communicate.	Grade 4 Writing Skills			
LA 4.2.2	Writing Modes: Student will write in multiple modes for a variety of purposes and audiences across disciplines.	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 4.2.2.a	Communicate information and ideas effectively in analytic, descriptive, informative, narrative, poetic, persuasive, and reflective modes to multiple audiences using a variety of media and formats.	Assessed at the local level			
LA 4.2.2.b	Provide evidence from literary or informational text to support analysis, reflection, and research.	MC ASCR EBSR	2, 3	0 — 2	
LA 4.2.2.c	Conduct and publish research projects to answer questions or solve problems using multiple resources to support theses	Assessed at the local level			
LA 4.2.2.d	Use precise word choice and domain-specific vocabulary to write in a variety of modes.	MC ASCR EBSR	2, 3	0 — 2	
LA 4.2.2.e	Compare various mentor texts and/or exemplars to create a similar piece.	Assessed at the local level			
Grade 4 Writing Total				8	12

Passage Type (50% Literary/50% Informational)

L	Literary (poems, narratives, realistic fiction, historical fiction, fantasy, legends/myths, etc)
I	Informational (biographies, instructional/how-tos, articles, essays, science and social studies topics, etc)

Item Type

MC	Multiple-choice, single select
ASCR	Multiple-select, hot spot highlight, drag and drop
EBSR	Evidence-based selected response

NSCAS - ELA Table of Specifications

LA 5.1	Reading: Students will learn and apply reading skills and strategies to comprehend text.	Grade 5 Reading Vocabulary				
LA 5.1.5	Vocabulary: Students will build and use conversational, academic, and content-specific grade-level vocabulary.	Passage Type	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 5.1.5.a	Apply knowledge of word structure elements, known words, and word patterns to determine meaning (e.g., parts of speech, Greek, Latin, and Anglo-Saxon affixes and roots).	L/I	MC ASCR	1, 2	1 — 4	
LA 5.1.5.b	Select and apply knowledge of context clues (e.g., word, phrase, sentence, and paragraph clues) and text features to determine meaning of unknown words.	L/I	MC ASCR	2	2 — 5	
LA 5.1.5.c	Acquire new academic and content-specific grade-level vocabulary, relate to prior knowledge, and apply in new situations.	Assessed only as a component of the TDA rubric				
LA 5.1.5.d	Identify semantic relationships (e.g., synonyms, antonyms, homographs, homophones, multiple-meaning words) to determine the meaning of words, aid in comprehension, and improve writing.	L/I	MC ASCR	1, 2	2 — 4	
LA 5.1.5.e	Determine meaning using reference materials.	Assessed at the local level				
Grade 5 Vocabulary Total					6 — 8	8 — 10

LA 5.1	Reading: Students will learn and apply reading skills and strategies to comprehend text.	Grade 5 Reading Comprehension				
LA 5.1.6	Comprehension: Students will construct meaning by applying prior knowledge, using text information, and monitoring comprehension while reading increasingly complex grade-level literary and informational text.	Passage Type	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 5.1.6.a	Examine text to determine author's purpose(s) and describe how author's perspective (e.g., beliefs, assumptions, biases) influences text.	L/I	MC ASCR EBSR *TDA**	2, 3	2 — 4	
LA 5.1.6.b	Analyze and describe elements of literary text (e.g., characters, setting, plot, point of view, theme).	L	MC ASCR EBSR *TDA**	2, 3	2 — 6	
LA 5.1.6.c	Identify and explain why authors use literary devices (e.g., simile, metaphor, alliteration, onomatopoeia, imagery, rhythm, personification, hyperbole, idioms).	L/I	MC ASCR EBSR *TDA**	1, 2, 3	2 — 4	
LA 5.1.6.d	Summarize and analyze a literary text and/or media, using key details to explain the theme.	L	MC ASCR EBSR *TDA**	2, 3	1 — 5	
LA 5.1.6.e	Summarize and analyze an informational text and/or media, using supporting details to explain the main idea.	I	MC ASCR EBSR *TDA**	2, 3	1 — 3	
LA 5.1.6.f	Use text features to locate information and explain how the information contributes to an understanding of print and digital text.	L/I	MC ASCR EBSR *TDA**	2, 3	2 — 4	
LA 5.1.6.g	Use textual evidence to compare and contrast the characteristics that distinguish a variety of literary and informational texts.	L/I	MC ASCR EBSR *TDA**	2, 3	1 — 4	
LA 5.1.6.h	Explain the relationships or interactions between two or more individuals, events, ideas, or concepts in literary and informational texts, citing textual evidence to develop a national and international multicultural perspective.	L/I	MC ASCR EBSR *TDA**	2, 3	0 — 3	
LA 5.1.6.i	Construct and/or answer literal, inferential, and critical questions and support answers with explicit evidence from the text or additional sources.	L/I	MC ASCR EBSR *TDA**	1, 2, 3	2 — 5	

LA 5.1.6.j	Identify and apply knowledge of organizational patterns to comprehend informational text(s) (e.g., sequence, description, cause and effect, compare/contrast, fact/opinion).	I	MC ASCR EBSR *TDA**	2, 3	1 — 4	
LA 5.1.6.k	Select text for a particular purpose (e.g., answer a question, solve problems, enjoy, form an opinion, understand a specific viewpoint, predict outcomes, discover models for own writing, accomplish a task), citing evidence to support analysis, reflection, or research.	Assessed at the local level				
LA 5.1.6.l	Build background knowledge and activate prior knowledge to identify text-to-self, text-to-text, and text-to-world connections before, during, and after reading.	Assessed at the local level				
LA 5.1.6.m	Self-monitor comprehension by recognizing when meaning is disrupted and apply strategies to clarify, confirm, or correct.	Assessed at the local level				
LA 5.1.6.n	Make and confirm/modify predictions and inferences with text evidence while previewing and reading literary, informational, digital text, and/or media.	Assessed at the local level				
LA 5.1.6.o	Demonstrate an understanding of text via multiple mediums (e.g., writing, artistic representation, video, other media).	Assessed at the local level				
LA 5.1.6.p	Compare and contrast the text of a story, drama, or poem and a visual or oral presentation of the text.	Assessed at the local level				
Grade 5 Comprehension Total				**MC, ASCR, EBSR**	20 — 22	22 — 24
				TDA*	*1*	4

LA 5.2	Writing: Students will learn and apply writing skills and strategies to communicate.	Grade 5 Writing Skills/Text Dependent Analysis			
LA 5.2.1	Writing Process: Students will apply the writing process to plan, draft, revise, edit, and publish writing using correct spelling, grammar, punctuation, and other conventions of standard English appropriate for grade-level.	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 5.2.1.a	Use prewriting activities and inquiry tools to generate ideas, organize information, guide writing, and answer questions.	Assessed at the local level			
LA 5.2.1.b	Generate a draft that develops a clear topic suited to the purpose and intended audience and organizational pattern, including a strong thesis, body, conclusion, and appropriate transitions linked to the purpose of the composition.	MC ASCR EBSR	2, 3	0 — 2	
LA 5.2.1.c	Gather and use relevant information and evidence from multiple authoritative print and/or digital sources to support claims or theses.	MC ASCR EBSR	2, 3	1 — 2	
LA 5.2.1.d	Compose paragraphs with grammatically correct simple, compound, and complex sentences of varying length, complexity, and type.	MC ASCR EBSR	2, 3	0 — 2	
LA 5.2.1.e	Revise to improve and clarify writing through self-monitoring strategies and feedback from others.	Assessed only as a component of the TDA rubric			
LA 5.2.1.f	Provide oral, written, and/or digital descriptive feedback to other writers.	Assessed at the local level			
LA 5.2.1.g	Adjust writing processes to persevere in short and long-term writing tasks of increasing length and complexity.	Assessed at the local level			
LA 5.2.1.h	Proofread and edit writing recursively for format and conventions of standard English (e.g., spelling, capitalization, grammar, punctuation, syntax, semantics).	Assessed only as a component of the TDA rubric			
LA 5.2.1.i	Display academic honesty and integrity by avoiding plagiarism and/or overreliance on any one source and by following a standard format for citation.	MC ASCR EBSR	2, 3	0 — 2	
LA 5.2.1.j	Publish a legible document in manuscript, cursive, or digital format, and apply formatting techniques (e.g., indenting paragraphs, title).	Assessed at the local level			

LA 5.2	Writing: Students will learn and apply writing skills and strategies to communicate.	Grade 5 Writing Skills/Text Dependent Analysis			
LA 5.2.2	Writing Modes: Students will write in multiple modes for a variety of purposes and audiences across disciplines.	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 5.2.2.a	Communicate information and ideas effectively in analytic, descriptive, informative, narrative, poetic, persuasive, and reflective modes to multiple audiences using a variety of media and formats.	Assessed only as a component of the TDA rubric			
LA 5.2.2.b	Provide evidence from literary or informational text to support analysis, reflection, and research.	MC ASCR EBSR	2, 3	0 — 2	
LA 5.2.2.c	Conduct and publish research projects to answer questions or solve problems using multiple resources to support theses.	Assessed at the local level			
LA 5.2.2.d	Use precise word choice and domain-specific vocabulary to write in a variety of modes.	MC ASCR EBSR	2, 3	0 — 2	
LA 5.2.2.e	Compare various mentor texts and/or exemplars to create a similar piece.	Assessed at the local level			
Grade 5 Writing Skills/Text Dependent Analysis Total			MC, ASCR, EBSR	8	12
			TDA*	1	4

Passage Type (50% Literary/50% Informational)

L	Literary (poems, narratives, realistic fiction, historical fiction, fantasy, legends/myths, etc.)
I	Informational (biographies, instructional/how-tos, articles, essays, science and social studies topics, etc.)

Item Type

MC	Multiple-choice, single select
ASCR	Multiple-select, hot spot highlight, drag and drop
EBSR	Evidence-based selected response
TDA*	Text Dependent Analysis - One constructed response item aligned to a reading comprehension indicator as well as the indicators designated on the TDA rubric

TDA Rubric Indicators (TDA*)	
Analysis of Text	1.6.i
	One of the following: 1.6.a, 1.6.b, 1.6.c, 1.6.d, 1.6.e, 1.6.f, 1.6.g, 1.6.h, 1.6.j
Use of Evidence	1.6.i, 2.1.c, 2.2.b, 4.1.a
Writing Skills	1.5.c, 2.1.b, 2.1.d, 2.1.e, 2.1.h, 2.1.i, 2.2.a, 2.2.d, 4.1.b

NSCAS - ELA Table of Specifications

LA 6.1	Reading: Students will learn and apply reading skills and strategies to comprehend text.	Grade 6 Reading Vocabulary				
LA 6.1.5	Vocabulary: Students will build and use conversational, academic, and content-specific grade-level vocabulary.	Passage Type	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 6.1.5.a	Apply knowledge of Greek, Latin, and Anglo-Saxon roots, prefixes, and suffixes to understand complex words, including words across content areas.	L/I	MC ASCR	1, 2	1 — 3	
LA 6.1.5.b	Select and apply knowledge of context clues (e.g., word, phrase, sentence, and paragraph clues) and text features to determine meaning of unknown words.	L/I	MC ASCR	2	2 — 5	
LA 6.1.5.c	Acquire new academic and content-specific grade-level vocabulary, relate to prior knowledge, and apply in new situations.	Assessed only as a component of the TDA rubric				
LA 6.1.5.d	Identify and use semantic relationships (e.g., multiple meanings, metaphors, similes, idioms, analogies, synonyms, antonyms) to determine the meaning of words, aid in comprehension, and improve writing.	L/I	MC ASCR	1, 2	2 — 4	
LA 6.1.5.e	Verify meaning and pronunciation of words or phrases using reference materials.	Assessed at the local level				
Grade 6 Vocabulary Total					6 — 8	8 — 10

LA 6.1	Reading: Students will learn and apply reading skills and strategies to comprehend text.	Grade 6 Reading Comprehension				
LA 6.1.6	Comprehension: Students will construct meaning by applying prior knowledge, using text information, and monitoring comprehension while reading increasingly complex grade-level literary and informational text.	Passage Type	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 6.1.6.a	Analyze text to determine author's purpose(s) and describe how author's perspective influences text.	L/I	MC ASCR EBSR *TDA**	2, 3	2 — 4	
LA 6.1.6.b	Analyze and explain the relationships between elements of literary text (e.g., character development, setting, plot, conflict, point of view, theme).	L	MC ASCR EBSR *TDA**	2, 3	1 — 4	
LA 6.1.6.c	Identify and explain why authors use literary devices (e.g., simile, metaphor, alliteration, onomatopoeia, imagery, rhythm, personification, hyperbole, idioms, analogy, tone, mood).	L/I	MC ASCR EBSR *TDA**	1, 2, 3	1 — 3	
LA 6.1.6.d	Summarize and analyze a literary text and/or media, using key details to explain the theme.	L	MC ASCR EBSR *TDA**	2, 3	2 — 4	
LA 6.1.6.e	Summarize and analyze an informational text and/or media, using supporting details to explain the main idea.	I	MC ASCR EBSR *TDA**	2, 3	2 — 4	
LA 6.1.6.f	Apply knowledge of text features to locate information and explain how the information contributes to an understanding of print and digital text.	L/I	MC ASCR EBSR *TDA**	2, 3	2 — 4	
LA 6.1.6.g	Use textual evidence to compare and contrast the characteristics that distinguish a variety of literary and informational texts.	L/I	MC ASCR EBSR *TDA**	2, 3	1 — 4	
LA 6.1.6.h	Explain the relationships or interactions between two or more individuals, events, ideas, or concepts in literary and informational texts, citing textual evidence to develop a regional, national, and international multicultural perspective.	L/I	MC ASCR EBSR *TDA**	2, 3	0 — 3	
LA 6.1.6.i	Construct and/or answer literal, inferential, critical, and interpretive questions and support answers with explicit evidence from the text or additional sources.	L/I	MC ASCR EBSR *TDA**	1, 2, 3	2 — 5	

LA 6.1.6.j	Apply knowledge of organizational patterns to comprehend informational text (e.g., sequence/chronological, description, cause and effect, compare/contrast, fact/opinion).	I	MC ASCR EBSR *TDA**	2, 3	1 — 3	
LA 6.1.6.k	Select text for a particular purpose (e.g., answer a question, solve problems, enjoy, form an opinion, understand a specific viewpoint, predict outcomes, discover models for own writing, accomplish a task), citing evidence to support analysis, reflection, or research.	Assessed at the local level				
LA 6.1.6.l	Build background knowledge and activate prior knowledge to clarify text, deepen understanding, and make text-to-self, text-to-text, and text-to-world connections while reading complex text.	Assessed at the local level				
LA 6.1.6.m	Self-monitor comprehension and independently apply appropriate strategies to understand text.	Assessed at the local level				
LA 6.1.6.n	Make and confirm/modify predictions and inferences with text evidence while previewing and reading literary, informational, digital text, and/or media.	Assessed at the local level				
LA 6.1.6.o	Demonstrate an understanding of complex text using textual evidence via multiple mediums (e.g., writing, artistic representation, video, other media).	Assessed at the local level				
LA 6.1.6.p	Analyze the extent to which a filmed or live production of a story, drama, or poem resembles or differs from the text or script.	Assessed at the local level				
Grade 6 Comprehension Total				MC, ASCR, EBSR	20 — 22	22 — 24
				TDA*	*1*	4

LA 6.2	Writing: Students will learn and apply writing skills and strategies to communicate.	Grade 6 Writing Skills/Text Dependent Analysis			
LA 6.2.1	Writing Process: Students will apply the writing process to plan, draft, revise, edit, and publish writing using correct spelling, grammar, punctuation, and other conventions of standard English appropriate for grade-level.	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 6.2.1.a	Use prewriting activities and inquiry tools to recursively generate ideas, organize information, guide writing, and answer questions.	Assessed at the local level			
LA 6.2.1.b	Generate a draft that develops a clear topic suited to the purpose and intended audience and organizational pattern, including a strong thesis, body, conclusion, and appropriate transitions linked to the purpose of the composition.	MC ASCR EBSR	2, 3	0 — 2	
LA 6.2.1.c	Gather and use relevant information and evidence from multiple authoritative print and/or digital sources including primary and secondary sources to support claims or theses.	MC ASCR EBSR	2, 3	1 — 2	
LA 6.2.1.d	Compose paragraphs with grammatically correct simple, compound, and complex sentences of varying length and complexity.	MC ASCR EBSR	2, 3	0 — 2	
LA 6.2.1.e	Revise to improve and clarify writing through self-monitoring strategies and feedback from others.	Assessed only as a component of the TDA rubric			
LA 6.2.1.f	Provide oral, written, and/or digital descriptive feedback to other writers.	Assessed at the local level			
LA 6.2.1.g	Adjust writing processes to persevere in short and long-term writing tasks of increasing length and complexity.	Assessed at the local level			
LA 6.2.1.h	Proofread and edit writing recursively for format and conventions of standard English (e.g., spelling, capitalization, grammar, punctuation, syntax, semantics).	Assessed only as a component of the TDA rubric			
LA 6.2.1.i	Display academic honesty and integrity by avoiding plagiarism and/or overreliance on any one source and by following a standard format for citation.	MC ASCR EBSR	2, 3	0 — 2	
LA 6.2.1.j	Publish a legible document using a variety of media, and apply formatting techniques to enhance the readability and impact of the document (e.g., fonts, spacing, design, images, citations).	Assessed at the local level			

LA 6.2	Writing: Students will learn and apply writing skills and strategies to communicate.	Grade 6 Writing Skills/Text Dependent Analysis			
LA 6.2.2	Writing Modes: Students will write in multiple modes for a variety of purposes and audiences across disciplines.	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 6.2.2.a	Communicate information and ideas effectively in analytic, argumentative, descriptive, informative, narrative, poetic, persuasive, and reflective modes to multiple audiences using a variety of media and formats.	Assessed only as a component of the TDA rubric			
LA 6.2.2.b	Provide evidence from literary or informational text to support analysis, reflection, and research.	MC ASCR EBSR	2, 3	0 — 2	
LA 6.2.2.c	Conduct and publish both short and sustained research projects to answer questions or solve problems using multiple primary and/or secondary sources to support theses.	Assessed at the local level			
LA 6.2.2.d	Use precise word choice and domain-specific vocabulary to write in a variety of modes.	MC ASCR EBSR	2, 3	0 — 2	
LA 6.2.2.e	Analyze various mentor texts and/or exemplars in order to create a similar piece.	Assessed at the local level			
Grade 6 Writing/Text Dependent Analysis Total			MC, ASCR, EBSR	8	12
			TDA*	1	4

Passage Type (50% Literary/50% Informational)

L	Literary (poems, narratives, realistic fiction, historical fiction, fantasy, legends/myths, etc.)
I	Informational (biographies, instructional/how-tos, articles, essays, science and social studies topics, etc.)

Item Type

MC	Multiple-choice, single select
ASCR	Multiple-select, hot spot highlight, drag and drop
EBSR	Evidence-based selected response
TDA*	Text Dependent Analysis - One constructed response item aligned to a reading comprehension indicator as well as the indicators designated on the TDA rubric

TDA Rubric Indicators (TDA*)	
Analysis of Text	1.6.i
	One of the following: 1.6.a, 1.6.b, 1.6.c, 1.6.d, 1.6.e, 1.6.f, 1.6.g, 1.6.h, 1.6.j
Use of Evidence	1.6.i, 2.1.c, 2.2.b, 4.1.a
Writing Skills	1.5.c, 2.1.b, 2.1.d, 2.1.e, 2.1.h, 2.1.i, 2.2.a, 2.2.d, 4.1.b

NSCAS - ELA Table of Specifications

LA 7.1	Reading: Students will learn and apply reading skills and strategies to comprehend text.	Grade 7 Reading Vocabulary				
LA 7.1.5	Vocabulary: Students will build and use conversational, academic, and content-specific grade-level vocabulary.	Passage Type	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
L.A. 7.1.5.a	Apply knowledge of Greek, Latin, and Anglo-Saxon roots, prefixes, and suffixes to understand complex words, including words across content areas.	L/I	MC ASCR	1, 2	1 — 3	
LA 7.1.5.b	Select and apply knowledge of context clues (e.g., word, phrase, sentence, and paragraph clues) and text features to determine meaning of unknown words.	L/I	MC ASCR	2	2 — 5	
LA 7.1.5.c	Acquire new academic and content-specific grade-level vocabulary, relate to prior knowledge, and apply in new situations.	Assessed only as a component of the TDA rubric				
LA 7.1.5.d	Analyze and use semantic relationships (e.g., multiple meanings, synonyms, antonyms, figurative language, connotations, subtle distinctions) to determine the meaning of words, aid in comprehension, and improve writing.	L/I	MC ASCR	1, 2	2 — 4	
LA 7.1.5.e	Verify meaning and pronunciation of words or phrases using reference materials.	Assessed at the local level				
Grade 7 Vocabulary Total					6 — 8	8 — 10

LA 7.1	Reading: Students will learn and apply reading skills and strategies to comprehend text.	Grade 7 Reading Comprehension				
LA 7.1.6	Comprehension: Students will construct meaning by applying prior knowledge, using text information, and monitoring comprehension while reading increasingly complex grade-level literary and informational text.	Passage Type	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 7.1.6.a	Analyze the meaning, reliability, and validity of the text considering author's purpose and perspective.	L/I	MC ASCR EBSR *TDA**	2, 3	2 — 4	
LA 7.1.6.b	Analyze and explain the relationships between elements of literary text (e.g., character development, setting, plot, conflict, point of view, theme).	L	MC ASCR EBSR *TDA**	2, 3	1 — 4	
LA 7.1.6.c	Analyze the author's use of literary devices (e.g., simile, metaphor, personification, idiom, oxymoron, hyperbole, alliteration, onomatopoeia, analogy, tone, mood).	L/I	MC ASCR EBSR *TDA**	2, 3	2 — 5	
LA 7.1.6.d	Summarize, analyze, and synthesize a literary text and/or media, using key details to support interpretation of the theme.	L	MC ASCR EBSR *TDA**	2, 3	2 — 4	
LA 7.1.6.e	Summarize, analyze, and synthesize an informational text and/or media, using supporting details to formulate the main idea.	I	MC ASCR EBSR *TDA**	2, 3	2 — 4	
LA 7.1.6.f	Apply knowledge of text features to locate information and explain how the information contributes to an understanding of print and digital text.	L/I	MC ASCR EBSR *TDA**	2, 3	1 — 4	
LA 7.1.6.g	Cite specific textual evidence to analyze and make inferences based on the characteristics of a variety of literary and informational texts.	L/I	MC ASCR EBSR *TDA**	2, 3	2 — 5	
LA 7.1.6.h	Explain the social, historical, cultural, and biographical influences in a variety of texts, citing textual evidence from literary and informational text to develop a regional, national, and international multicultural perspective.	L/I	MC ASCR EBSR *TDA**	2, 3	0 — 3	
LA 7.1.6.i	Construct and/or answer literal, inferential, critical, and interpretive questions and support answers with explicit evidence from the text or additional sources.	L/I	MC ASCR EBSR *TDA**	1, 2, 3	2 — 5	

LA 7.1.6.j	Apply knowledge of organizational patterns to comprehend informational text (e.g., sequence/chronological, description, spatial, cause and effect, compare/contrast, fact/opinion, proposition/support).	I	MC ASCR EBSR *TDA**	2, 3	1 — 3	
LA 7.1.6.k	Select text for a particular purpose (e.g., answer a question, solve problems, enjoy, form an opinion, understand a specific viewpoint, predict outcomes, discover models for own writing, accomplish a task), citing evidence to support analysis, reflection, or research.	Assessed at the local level				
LA 7.1.6.l	Build background knowledge and activate prior knowledge to clarify text, deepen understanding, and make text-to-self, text-to-text, and text-to-world connections while reading complex text.	Assessed at the local level				
LA 7.1.6.m	Self-monitor comprehension and independently apply appropriate strategies to understand text.	Assessed at the local level				
LA 7.1.6.n	Make and confirm/modify inferences with text evidence while previewing and reading literary, informational, digital text, and/or media.	Assessed at the local level				
LA 7.1.6.o	Demonstrate an understanding of complex text using textual evidence via multiple mediums (e.g., writing, artistic representation, video, other media).	Assessed at the local level				
LA 7.1.6.p	Analyze the extent to which a filmed or live production of a story, drama, or poem resembles or differs from the text or script.	Assessed at the local level				
Grade 7 Comprehension Total				**MC, ASCR, EBSR**	20 — 22	22 — 24
				TDA*	*1*	4

LA 7.2	Writing: Students will learn and apply writing skills and strategies to communicate.	Grade 7 Writing Skills/Text Dependent Analysis			
LA 7.2.1	Writing Process: Students will apply the writing process to plan, draft, revise, edit, and publish writing using correct spelling, grammar, punctuation, and other conventions of standard English appropriate for grade-level.	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 7.2.1.a	Use prewriting activities and inquiry tools to recursively generate ideas, organize information, guide writing, and answer questions.	Assessed at the local level			
LA 7.2.1.b	Generate a draft that conveys complex ideas through analysis and use of organizational patterns that are suited to the purpose and intended audience and includes a strong thesis, body, conclusion, and appropriate transitions linked to the purpose of the composition.	MC ASCR EBSR	2, 3	0 — 2	
LA 7.2.1.c	Gather and use relevant information and evidence from multiple authoritative print and/or digital sources including primary and secondary sources to support claims or theses.	MC ASCR EBSR	2, 3	1 — 2	
LA 7.2.1.d	Compose paragraphs with grammatically correct simple, compound, and complex sentences of varying length and complexity.	MC ASCR EBSR	2, 3	0 — 2	
LA 7.2.1.e	Revise to improve and clarify writing through self-monitoring strategies and feedback from others.	Assessed only as a component of the TDA rubric			
LA 7.2.1.f	Provide oral, written, and/or digital descriptive feedback to other writers.	Assessed at the local level			
LA 7.2.1.g	Adjust writing processes to persevere in short and long-term writing tasks of increasing length and complexity.	Assessed at the local level			
LA 7.2.1.h	Proofread and edit writing recursively for format and conventions of standard English (e.g., spelling, capitalization, grammar, punctuation, syntax, semantics).	Assessed only as a component of the TDA rubric			
LA 7.2.1.i	Display academic honesty and integrity by avoiding plagiarism and/or overreliance on any one source and by following a standard format for citation.	MC ASCR EBSR	2, 3	0 — 2	
LA 7.2.1.j	Publish a legible document using a variety of media, and apply formatting techniques to enhance the readability and impact of the document (e.g., fonts, spacing, design, images, citations).	Assessed at the local level			

LA 7.2	Writing: Students will learn and apply writing skills and strategies to communicate.	Grade 7 Writing Skills/Text Dependent Analysis			
LA 7.2.2	Writing Modes: Students will write in multiple modes for a variety of purposes and audiences across disciplines.	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 7.2.2.a	Communicate information and ideas effectively in analytic, descriptive, informative, narrative, poetic, persuasive, and reflective modes to multiple audiences using a variety of media and formats.	Assessed only as a component of the TDA rubric			
LA 7.2.2.b	Provide evidence from literary or informational text to support analysis, reflection, and research.	MC ASCR EBSR	2, 3	0 — 2	
LA 7.2.2.c	Conduct and publish both short and sustained research projects to answer questions or solve problems using multiple primary and/or secondary sources to support theses.	Assessed at the local level			
LA 7.2.2.d	Use precise word choice and domain-specific vocabulary to write in a variety of modes.	MC ASCR EBSR	2, 3	0 — 2	
LA 7.2.2.e	Analyze various mentor texts and/or exemplars in order to create a similar piece.	Assessed at the local level			
Grade 7 Writing/Text Dependent Analysis Total			MC, ASCR, EBSR	8	12
			TDA*	1	4

Passage Type (40% Literary/60% Informational)

L	Literary (poems, narratives, realistic fiction, historical fiction, fantasy, legends/myths, etc.)
I	Informational (biographies, instructional/how-tos, articles, essays, science and social studies topics, etc.)

Item Type

MC	Multiple-choice, single select
ASCR	Multiple-select, hot spot highlight, drag and drop
EBSR	Evidence-based selected response
TDA*	Text Dependent Analysis - One constructed response item aligned to a reading comprehension indicator as well as the indicators designated on the TDA rubric

TDA Rubric Indicators (TDA*)	
Analysis of Text	1.6.i
	One of the following: 1.6.a, 1.6.b, 1.6.c, 1.6.d, 1.6.e, 1.6.f, 1.6.g, 1.6.h, 1.6.j
Use of Evidence	1.6.i, 2.1.c, 2.2.b, 4.1.a
Writing Skills	1.5.c, 2.1.b, 2.1.d, 2.1.e, 2.1.h, 2.1.i, 2.2.a, 2.2.d, 4.1.b

NSCAS - ELA Table of Specifications

LA 8.1	Reading: Students will learn and apply reading skills and strategies to comprehend text.	Grade 8 Reading Vocabulary				
LA 8.1.5	Vocabulary: Students will build and use conversational, academic, and content-specific grade-level vocabulary.	Passage Type	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 8.1.5.a	Apply knowledge of Greek, Latin, and Anglo-Saxon roots, prefixes, and suffixes to understand complex words, including words across content areas.	L/I	MC ASCR	1, 2	1 — 3	
LA 8.1.5.b	Select and apply knowledge of context clues (e.g., word, phrase, sentence, and paragraph clues) and text features to determine meaning of unknown words.	L/I	MC ASCR	2	2 — 5	
LA 8.1.5.c	Acquire new academic and content-specific grade-level vocabulary, relate to prior knowledge, and apply in new situations.	Assessed only as a component of the TDA rubric				
LA 8.1.5.d	Analyze and use semantic relationships (e.g., multiple meanings, synonyms, antonyms, figurative language, connotations, subtle distinctions) to determine the meaning of words, aid in comprehension, and improve writing.	L/I	MC ASCR	1, 2	2 — 4	
LA 8.1.5.e	Verify meaning and pronunciation of words or phrases using reference materials.	Assessed at the local level				
Grade 8 Vocabulary Total					6 — 8	8 — 10

LA 8.1	Reading: Students will learn and apply reading skills and strategies to comprehend text.	Grade 8 Reading Comprehension				
LA 8.1.6	Comprehension: Students will construct meaning by applying prior knowledge, using text information, and monitoring comprehension while reading increasingly complex grade-level literary and informational text.	Passage Type	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 8.1.6.a	Analyze the meaning, reliability, and validity of text considering author's purpose and perspective.	L/I	MC ASCR EBSR *TDA**	2, 3	2 — 4	
LA 8.1.6.b	Analyze and explain the relationships between elements of literary text (e.g., character development, setting, plot, conflict, point of view, inferred and recurring themes).	L	MC ASCR EBSR *TDA**	2, 3	1 — 4	
LA 8.1.6.c	Analyze the author's use of literary devices (e.g., simile, metaphor, personification, idiom, oxymoron, hyperbole, alliteration, onomatopoeia, analogy, tone, mood).	L/I	MC ASCR EBSR *TDA**	2, 3	2 — 5	
LA 8.1.6.d	Summarize, analyze and synthesize the development of a common theme between two literary text and/or media.	L	MC ASCR EBSR *TDA**	2, 3	2 — 4	
LA 8.1.6.e	Summarize, analyze, and synthesize the connection between the main ideas of two informational texts and/or media.	I	MC ASCR EBSR *TDA**	2, 3	2 — 4	
LA 8.1.6.f	Analyze and evaluate information from print and digital text features to support comprehension.	L/I	MC ASCR EBSR *TDA**	2, 3	1 — 4	
LA 8.1.6.g	Cite specific textual evidence to analyze and make inferences based on the characteristics of a variety of literary and informational texts.	L/I	MC ASCR EBSR *TDA**	2, 3	2 — 5	
LA 8.1.6.h	Analyze the social, historical, cultural, and biographical influences in a variety of texts, citing textual evidence from literary and informational text to develop a national and international multicultural perspective.	L/I	MC ASCR EBSR *TDA**	2, 3	0 — 3	
LA 8.1.6.i	Construct and/or answer literal, inferential, critical, and interpretive questions and support answers with explicit evidence from the text or additional sources.	L/I	MC ASCR EBSR *TDA**	1, 2, 3	2 — 5	

LA 8.1.6.j	Apply knowledge of organizational patterns to comprehend informational text (e.g., sequence/chronological, description, spatial, cause and effect, compare/contrast, fact/opinion, proposition/support).	I	MC ASCR EBSR *TDA**	2, 3	1 — 3	
LA 8.1.6.k	Select text for a particular purpose (e.g., answer a question, solve problems, enjoy, form an opinion, understand a specific viewpoint, predict outcomes, discover models for own writing, accomplish a task), citing evidence to support analysis, reflection, or research.	Assessed at the local level				
LA 8.1.6.l	Build background knowledge and activate prior knowledge to clarify text, deepen understanding, and make connections while reading complex text.	Assessed at the local level				
LA 8.1.6.m	Self-monitor comprehension and independently apply appropriate strategies to understand text.	Assessed at the local level				
LA 8.1.6.n	Make and confirm/modify inferences with text evidence while previewing and reading literary, informational, digital text, and/or media.	Assessed at the local level				
LA 8.1.6.o	Demonstrate an understanding of complex text using textual evidence via multiple mediums (e.g., writing, artistic representation, video, other media).	Assessed at the local level				
LA 8.1.6.p	Analyze the extent to which a filmed or live production of a story, drama, or poem resembles or differs from the text or script.	Assessed at the local level				
Grade 8 Comprehension Total				**MC, ASCR, EBSR**	20 — 22	22 — 24
				TDA*	*1*	4

LA 8.2	Writing: Students will learn and apply writing skills and strategies to communicate.	Grade 8 Writing Skills/Text Dependent Analysis			
LA 8.2.1	Writing Process: Students will apply the writing process to plan, draft, revise, edit, and publish writing using correct spelling, grammar, punctuation, and other conventions of standard English appropriate for grade-level.	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 8.2.1.a	Use prewriting activities and inquiry tools to recursively generate ideas, organize information, guide writing, answer questions, and synthesize information.	Assessed at the local level			
LA 8.2.1.b	Generate a draft that conveys complex ideas through analysis and use of organizational patterns that are suited to the purpose and intended audience and includes a strong thesis, body, conclusion, and appropriate transitions linked to the purpose of the composition.	MC ASCR EBSR	2, 3	0 — 2	
LA 8.2.1.c	Gather and use relevant information and evidence from multiple authoritative print and/or digital sources including primary and secondary sources to support claims or theses.	MC ASCR EBSR	2, 3	1 — 2	
LA 8.2.1.d	Compose paragraphs with grammatically correct simple, compound, and complex sentences of varying length and complexity.	MC ASCR EBSR	2, 3	0 — 2	
LA 8.2.1.e	Revise to improve and clarify writing through self-monitoring strategies and feedback from others.	Assessed only as a component of the TDA rubric			
LA 8.2.1.f	Provide oral, written, and/or digital descriptive feedback to other writers.	Assessed at the local level			
LA 8.2.1.g	Adjust writing processes to persevere in short and long-term writing tasks of increasing length and complexity.	Assessed at the local level			
LA 8.2.1.h	Proofread and edit writing recursively for format and conventions of standard English (e.g., spelling, capitalization, grammar, punctuation, syntax, semantics).	Assessed only as a component of the TDA rubric			
LA 8.2.1.i	Display academic honesty and integrity by avoiding plagiarism and/or overreliance on any one source and by following a standard format for citation.	MC ASCR EBSR	2, 3	0 — 2	
LA 8.2.1.j	Publish a legible document using a variety of media, and apply formatting techniques to enhance the readability and impact of the document (e.g., fonts, spacing, design, images, citations).	Assessed at the local level			

LA 8.2	Writing: Students will learn and apply writing skills and strategies to communicate.	Grade 8 Writing Skills/Text Dependent Analysis			
LA 8.2.2	Writing Modes: Students will write in multiple modes for a variety of purposes and audiences across disciplines.	Eligible Item Types	DOK Levels Tested	Total Items	Total Points
LA 8.2.2.a	Communicate information and ideas effectively in analytic, argumentative, descriptive, informative, narrative, poetic, persuasive, and reflective modes to multiple audiences using a variety of media and formats.	Assessed only as a component of the TDA rubric			
LA 8.2.2.b	Provide evidence from literary or informational text to support analysis, reflection, and research.	MC ASCR EBSR	2, 3	0 — 2	
LA 8.2.2.c	Conduct and publish both short and sustained research projects to answer questions or solve problems using multiple primary and/or secondary sources to support theses.	Assessed at the local level			
LA 8.2.2.d	Use precise word choice and domain-specific vocabulary to write in a variety of modes.	MC ASCR EBSR	2, 3	0 — 2	
LA 8.2.2.e	Analyze various mentor texts and/or exemplars in order to create a similar piece.	Assessed at the local level			
Grade 8 Writing/Text Dependent Analysis Total			MC, ASCR, EBSR	8	12
			TDA*	1	4

Passage Type (40% Literary/60% Informational)

L	Literary (poems, narratives, realistic fiction, historical fiction, fantasy, legends/myths, etc.)
I	Informational (biographies, instructional/how-tos, articles, essays, science and social studies topics, etc.)

Item Type

MC	Multiple-choice, single select
ASCR	Multiple-select, hot spot highlight, drag and drop
EBSR	Evidence-based selected response
TDA*	Text Dependent Analysis - One constructed response item aligned to a reading comprehension indicator as well as the indicators designated on the TDA rubric

TDA Rubric Indicators (TDA*)	
Analysis of Text	1.6.i
	One of the following: 1.6.a, 1.6.b, 1.6.c, 1.6.d, 1.6.e, 1.6.f, 1.6.g, 1.6.h, 1.6.j
Use of Evidence	1.6.i, 2.1.c, 2.2.b, 4.1.a
Writing Skills	1.5.c, 2.1.b, 2.1.d, 2.1.e, 2.1.h, 2.1.i, 2.2.a, 2.2.d, 4.1.b

NSCAS - Math Table of Specifications						
MA 3.1	**NUMBER: Students will communicate number sense concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.**	**Grade 3 Math Number**				
MA 3.1.1	**Numeric Relationships: Students will demonstrate, represent, and show relationships among whole numbers and simple fractions within the base-ten number system.**	**Max DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Total Points**
MA 3.1.1.a	Read, write and demonstrate multiple equivalent representations for numbers up to 100,000 using objects, visual representations, including standard form, word form, expanded form, and expanded notation.	2	0 – 2	0 – 2		2 – 3
MA 3.1.1.b	Compare whole numbers through the hundred thousands and represent the comparisons using the symbols >, < or =.	1	2 – 4			1 – 2
MA 3.1.1.c	Round a whole number to the tens or hundreds place, using place value understanding or a visual representation.	2	0 – 2	0 – 2		1 – 2
MA 3.1.1.d	Represent and understand a fraction as a number on a number line.	2		2 – 3		2 – 3
MA 3.1.1.e	Express whole numbers as fractions, and recognize fractions that are equivalent to whole numbers.	2	0 – 2	0 – 2		1 – 2
MA 3.1.1.f	Show and identify equivalent fractions using visual representations including pictures, manipulatives, and number lines.	2	0 – 2	0 – 2		1 – 2
MA 3.1.1.g	Find parts of a whole and parts of a set using visual representations.	2	0 – 2	0 – 2		1 – 2
MA 3.1.1.h	Explain and demonstrate how fractions ¼, ½, ¾ and a whole relate to time, measurement, and money, and demonstrate using visual representation.	2	0 – 2	0 – 2		1 – 2
MA 3.1.1.i	Compare and order fractions having the same numerators or denominators using visual representations, comparison symbols, and verbal reasoning.	2	1 – 2	1 – 2		1 – 2

MA 3.1.2	Operations: Students will demonstrate the meaning of multiplication and division with whole numbers and compute accurately.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 3.1.2.a	Add and subtract within 1,000 with or without regrouping.	1	1 – 2			1 – 2
MA 3.1.2.b	Select and apply the appropriate methods of computation when solving one- and two- step addition and subtraction problems with four-digit whole numbers through the thousands (e.g., visual representations, mental computation, paper-pencil).	Assessed at the local level				
MA 3.1.2.c	Use drawings, words, arrays, symbols, repeated addition, equal groups, and number lines to explain the meaning of multiplication.	2	0 – 2	0 – 2		1 – 2
MA 3.1.2.d	Use words and symbols to explain the meaning of the Zero Property and Identity Property of multiplication.	Assessed at the local level				
MA 3.1.2.e	Multiply one digit whole numbers by multiples of 10 in the range of 10 to 90.	1	1 – 2			1 – 2
MA 3.1.2.f	Use objects, drawings, arrays, words and symbols to explain the relationship between multiplication and division (e.g., if 3 x 4 = 12 then 12 ÷ 3 = 4).	2	0 – 2	0 – 2		1 – 2
MA 3.1.2.g	Fluently (i.e. automatic recall based on understanding) multiply and divide within 100.	Assessed at the local level				
MA 3.1.2.h	Determine the reasonableness of whole number sums and differences in real-world problems using estimation, compatible numbers, mental computations, or other strategies.	Assessed at the local level				
	Grade 3 Number Total	2	8 – 16	8 – 16		19 – 22

MA 3.2	ALGEBRA: Students will communicate algebraic concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Grade 3 Math Algebra				
MA 3.2.1	Algebraic Relationships: Students will demonstrate, represent, and show relationships with expressions and equations.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 3.2.1.a	Identify arithmetic patterns (including patterns in the addition or multiplication tables) using properties of operations.	2	0 – 2	0 – 2		1 – 2
MA 3.2.1.b	Interpret a multiplication equation as equal groups (e.g., interpret 4 × 6 as the total number of objects in four groups of six objects each). Represent verbal statements of equal groups as multiplication equations.	2	0 – 2	0 – 2		1 – 2
MA 3.2.2	Algebraic Processes: Student will apply the operational properties when multiplying and dividing.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 3.2.2.a	Apply the commutative, associative, and distributive properties as strategies to multiply and divide.	Assessed at the local level				
MA 3.2.2.b	Solve one-step whole number equations involving addition, subtraction, multiplication, or division, including the use of a letter to represent the unknown quantity.	2	1 – 2	2 – 4		3 – 5
MA 3.2.3	Applications: Students will solve real-world problems involving equations with whole numbers.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 3.2.3.a	Solve real-world problems involving two-step equations (involving two operations) involving whole numbers using addition and subtraction.	2		0 – 2		1 – 2
MA 3.2.3.b	Write an equation (e.g., one operation, one variable) to represent real-world problems involving whole numbers.	2		0 – 2		1 – 2
	Grade 3 Algebra Total	2	3 – 6	3 – 6		8 – 10

MA 3.3	GEOMETRY: Students will communicate geometric concepts and measurement concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Grade 3 Math Geometry				
MA 3.3.1	Characteristics: Students will identify and describe geometric characteristics and create two- and three-dimensional shapes.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 3.3.1.a	Identify the number of sides, angles, and vertices of two-dimensional shapes.	1	0 – 2			1 – 2
MA 3.3.1.b	Sort quadrilaterals into categories (e.g., rhombuses, squares, and rectangles).	2	0 – 2	0 – 2		1 – 2
MA 3.3.1.c	Draw lines to separate two-dimensional figures into equal areas, and express the area of each part as a unit fraction of the whole.	2	0 – 2	0 – 2		1 – 2
MA 3.3.2	Coordinate Geometry: Students will determine location, orientation, and relationships on the coordinate plane.	Assessed at the local level				
MA 3.3.3	Measurement: Students will perform and compare measurements and apply formulas.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 3.3.3.a	Find the perimeter of polygons given the side lengths, and find an unknown side length.	2	0 – 2	0 – 2		1 – 2
MA 3.3.3.b	Tell and write time to the minute using both analog and digital clocks.	1	1 – 2			1 – 2
MA 3.3.3.c	Solve real-world problems involving addition and subtraction of time intervals and find elapsed time.	2	0 – 2	0 – 2		1 – 2
MA 3.3.3.d	Identify and use the appropriate tools and units of measurement, both customary and metric, to solve real-world problems involving length, weight, mass, liquid volume, and capacity (within the same system and unit).	Assessed at the local level				
MA 3.3.3.e	Estimate and measure length to the nearest half inch, quarter inch, and centimeter.	1	1 – 2			1 – 2
MA 3.3.3.f	Use concrete and pictorial models to measure areas in square units by counting square units.	Assessed at the local level				
MA 3.3.3.g	Find the area of a rectangle with whole-number side lengths by modeling with unit squares, and show that the area is the same as would be found by multiplying the side lengths.	2	0 – 2	0 – 2		1 – 2

MA 3.3.3.h	Identify and draw rectangles with the same perimeter and different areas or with the same area and different perimeters.	3		0 – 2	0 – 2	1 – 2
Grade 3 Geometry Total		3	3 – 8	6 – 8	0 – 2	

MA 3.4	DATA: Students will communicate data analysis/probability concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Grade 3 Math Data				
MA 3.4.1	Representations: Students will create displays that represent data.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 3.4.1.a	Create scaled pictographs and scaled bar graphs to represent a data set—including data collected through observations, surveys, and experiments—with several categories.	3		2 – 4	0 – 2	4 – 5
MA 3.4.1.b	Represent data using line plots where the horizontal scale is marked off in appropriate units—whole numbers, halves, or quarters.	2		2 – 3		2 – 3
MA 3.4.2	Analysis & Applications: Students will analyze data to address the situation.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 3.4.2.a	Solve problems and make simple statements about quantity differences (e.g., how many more and how many less) using information represented in pictographs and bar graphs.	2		2 – 3		2 – 3
MA 3.4.3	Probability: Students will interpret and apply concepts of probability.	*No additional indicator(s) at this level.*				
Grade 3 Data Total		3		6 – 8	0 – 2	8 – 10

NSCAS - Math Table of Specifications						
MA 4.1	**NUMBER: Students will communicate number sense concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.**	**Grade 4 Math Number**				
MA 4.1.1	**Numeric Relationships: Students will demonstrate, represent, and show relationships among fractions and decimals within the base-ten number system.**	**Max DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Total Points**
MA 4.1.1.a	Read, write, and demonstrate multiple equivalent representations for whole numbers up to one million and decimals to the hundredths, using objects, visual representations, standard form, word form, and expanded notation.	2	0 – 2	0 – 2		1 – 2
MA 4.1.1.b	Recognize a digit in one place represents ten times what it represents in the place to its right and 1/10 what it represents in the place to its left.	Assessed at the local level				
MA 4.1.1.c	Classify a number up to 100 as prime or composite.	1	1 – 2			1 – 2
MA 4.1.1.d	Determine whether a given whole number up to 100 is a multiple of a given one-digit number.	1	1 – 2			1 – 2
MA 4.1.1.e	Determine factors of any whole number up to 100.	1	1 – 2			1 – 2
MA 4.1.1.f	Compare whole numbers up to one million and decimals through the hundredths place using >, <, and = symbols, and visual representations.	1	2 – 4			2 – 4
MA 4.1.1.g	Round a multi-digit whole number to any given place.	1	1 – 2			1 – 2
MA 4.1.1.h	Use decimal notation for fractions with denominators of 10 or 100.	1	2 – 4			2 – 4
MA 4.1.1.i	Generate and explain equivalent fractions by multiplying by an equivalent fraction of 1.	Assessed at the local level				
MA 4.1.1.j	Explain how to change a mixed number to a fraction and how to change a fraction to a mixed number.	Assessed at the local level				

MA 4.1.1.k	Compare and order fractions having unlike numerators and unlike denominators using visual representations (number line), comparison symbols and verbal reasoning (e.g., using benchmarks or common numerators or common denominators).	2		1 – 2		1 – 2
MA 4.1.1.l	Decompose a fraction into a sum of fractions with the same denominator in more than one way and record each decomposition with an equation and a visual representation.	Assessed at the local level				
MA 4.1.2	**Operations: Students will demonstrate the meaning of addition and subtraction of whole numbers and fractions and compute accurately.**	**Max DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Total Points**
MA 4.1.2.a	Add and subtract multi-digit numbers using the standard algorithm.	Assessed at the local level				
MA 4.1.2.b	Multiply a four-digit whole number by a one-digit whole number.	1	2 – 4			2 – 4
MA 4.1.2.c	Multiply a two-digit whole number by a two-digit whole number using the standard algorithm.	2	1 – 2			1 – 2
MA 4.1.2.d	Divide up to a four-digit whole number by a one-digit divisor with and without a remainder.	1	2 – 4			2 – 4
MA 4.1.2.e	Use drawings, words, and symbols to explain the meaning of addition and subtraction of fractions with like denominators.	Assessed at the local level				
MA 4.1.2.f	Add and subtract fractions and mixed numbers with like denominators.	1	2 – 4			2 – 4
MA 4.1.2.g	Multiply a fraction by a whole number.	2	1 – 2			1 – 2
MA 4.1.2.h	Determine the reasonableness of whole number products and quotients in real-world problems using estimation, compatible numbers, mental computations, or other strategies.	Assessed at the local level				
	Grade 4 Number Total	2	15 – 19	5 – 8		21 – 24

MA 4.2	ALGEBRA: Students will communicate algebraic concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Grade 4 Math Algebra				
MA 4.2.1	Algebraic Relationships: Students will demonstrate, represent, and show relationships with expressions and equations.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 4.2.1.a	Create a simple algebraic expression or equation using a variable for an unknown number to represent a math process (e.g., 3 + n = 15, 81 ÷ n = 9).	3		0 – 2	0 – 2	1 – 2
MA 4.2.1.b	Generate and analyze a number or shape pattern to follow a given rule, such as y = 3x + 5 is a rule to describe a relationship between two variables and can be used to find a second number when a first number is given.	Assessed at the local level				
MA 4.2.2	Algebraic Processes: Students will apply the operational properties when evaluating expressions and solving equations.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 4.2.2.a	Solve one- and two-step problems which use any or all of the four basic operations and include the use of a letter to represent the unknown quantity	2	2 – 4			2 – 4
MA 4.2.3	Applications: Students will solve real-world problems involving equations with fractions and mixed numbers.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 4.2.3.a	Solve real-world problems involving multi-step equations comprised of whole numbers using the four operations, including interpreting remainders.	2		2 – 4		1 – 2
MA 4.2.3.b	Solve real-world problems involving addition and subtraction of fractions and mixed numbers with like denominators.	2		2 – 4		2 – 4
	Grade 4 Algebra Total	3	3 – 6	3 – 6	0 – 4	12 – 14

MA 4.3	GEOMETRY: Students will communicate geometric concepts and measurement concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Grade 4 Math Geometry				
MA 4.3.1	Characteristics: Students will identify and describe geometric characteristics and create two- and three-dimensional shapes.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 4.3.1.a	Recognize angles as geometric shapes that are formed where two rays share a common endpoint.	Assessed at the local level				
MA 4.3.1.b	Classify an angle as acute, obtuse, or right.	2	0 – 2	0 – 2		1 – 2
MA 4.3.1.c	Identify and draw points, lines, line segments, rays, angles, parallel lines, perpendicular lines, and intersecting lines, and recognize them in two-dimensional figures.	2	0 – 2	0 – 2		1 – 2
MA 4.3.1.d	Classify two-dimensional shapes based on the presence or absence of parallel and perpendicular lines, or the presence or absence of specific angles.	3		0 – 2	0 – 2	1 – 2
MA 4.3.1.e	Identify right triangles.	2	0 – 2	0 – 2		1 – 2
MA 4.3.1.f	Measure angles in whole number degrees using a protractor.	2	1 – 2			1 – 2
MA 4.3.1.g	Sketch angles of a specified measure.	2	1 – 2			1 – 2
MA 4.3.1.h	Recognize and draw lines of symmetry in two-dimensional shapes.	2	1 – 2			1 – 2
MA 4.3.2	Coordinate Geometry: Students will determine location, orientation, and relationships on the coordinate plane.	Assessed at the local level				
MA 4.3.3	Measurement: Students will perform and compare measurements and apply formulas.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 4.3.3.a	Apply perimeter and area formulas for rectangles.	2	0 – 2	0 – 2		1 – 2
MA 4.3.3.b	Identify and use the appropriate tools, operations, and units of measurement, both customary and metric, to solve real-world problems involving time, length, weight, mass, capacity, and volume.	Assessed at the local level				
MA 4.3.3.c	Generate simple conversions from a larger unit to a smaller unit within the customary and metric systems of measurement.	2	1 – 2			1 – 2
Grade 4 Geometry Total		3	5 – 8	3 – 8	0 – 2	10 – 12

MA 4.4	DATA: Students will communicate data analysis/probability concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Grade 4 Math Data				
MA 4.4.1	Representations: Students will create displays that represent data.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 4.4.1.a	Represent data using line plots where the horizontal scale is marked off in appropriate units (e.g., whole numbers, halves, quarters, or eighths).	2		4 – 5		4 – 5
MA 4.4.2	Analysis & Applications: Students will analyze data to address the situation.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 4.4.2.a	Solve problems involving addition or subtraction of fractions using information presented in line plots.	2		4 – 5		4 – 5
MA 4.4.3	Probability: Students will interpret and apply concepts of probability.	*No additional indicator(s) at this level.*				
Grade 4 Data Total		2		8 – 9		8 – 9

NSCAS - Math Table of Specifications						
MA 5.1	**NUMBER: Students will communicate number sense concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.**	**Grade 5 Math Number**				
MA 5.1.1	**Numeric Relationships: Students will demonstrate, represent, and show relationships among whole numbers, fractions, and decimals within the base-ten number system.**	**Max DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Total Points**
MA 5.1.1.a	Determine multiple equivalent representations for whole numbers and decimals through the thousandths place using standard form, word form, and expanded notation.	2	1 – 2	1 – 2		2 – 4
MA 5.1.1.b	Compare whole numbers, fractions, mixed numbers, and decimals through the thousandths place and represent comparisons using symbols <,>, or =.	2	1 – 2	1 – 2		2 – 4
MA 5.1.1.c	Round whole numbers and decimals to any given place.	1	1 – 2			1 – 2
MA 5.1.1.d	Recognize and generate equivalent forms of commonly used fractions, decimals, and percents (e.g., halves, thirds, fourths, fifths, and tenths).	2	1 – 2	1 – 2		2 – 4
MA 5.1.1.e	Write powers of 10 with exponents.	1	1 – 2			1 – 2
MA 5.1.2	**Operations: Students will demonstrate the meaning of operations and compute accurately with whole numbers, fractions, and decimals.**	**Max DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Total Points**
MA 5.1.2.a	Multiply multi-digit whole numbers using the standard algorithm.	1	1 – 2			1 – 2
MA 5.1.2.b	Divide four-digit whole numbers by a two-digit divisor, with and without remainders using the standard algorithm.	1	1 – 2			1 – 2
MA 5.1.2.c	Multiply a whole number by a fraction or a fraction by a fraction using models and visual representations.	2	1 – 2	1 – 2		2 – 4
MA 5.1.2.d	Divide a unit fraction by a whole number and a whole number by a unit fraction.	1	1 – 2			1 – 2
MA 5.1.2.e	Explain division of a whole number by a fraction using models and visual representations.	Assessed at the local level				
MA 5.1.2.f	Interpret a fraction as division of the numerator by the denominator.	Assessed at the local level				

MA 5.1.2.g	Add, subtract, multiply, and divide decimals to the hundredths using concrete models or drawings and strategies based on place value, properties of operations (i.e. Commutative, Associative, Distributive, Identity, Zero), and/or relationships between operations.	1	1 – 2			1 – 2
MA 5.1.2.h	Add and subtract fractions and mixed numbers with unlike denominators.	1	2 – 4			2 – 4
MA 5.1.2.i	Determine the reasonableness of computations involving whole numbers, fractions, and decimals.	Assessed at the local level				
MA 5.1.2.j	Multiply and divide by powers of 10.	1	1 – 2			1 – 2
	Grade 5 Number Total	2	10 – 15	9 – 12		21 – 25

MA 5.2	**ALGEBRA: Students will communicate algebraic concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.**	**Grade 5 Math Algebra**				
MA 5.2.1	**Algebraic Relationships: Students will demonstrate, represent, and show relationships with expressions and equations.**	**Max DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Total Points**
MA 5.2.1.a	Form ordered pairs from a rule such as y=2x, and graph the ordered pairs on a coordinate plane.	2	3 – 5			3 – 5
MA 5.2.2	**Algebraic Processes: Students will apply the operational properties when evaluating expressions and solving equations.**	**Max DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Total Points**
MA 5.2.2.a	Interpret and evaluate numerical or algebraic expressions using order of operations (excluding exponents).	2	2 – 4	2 – 4		4 – 5
MA 5.2.3	**Applications: Students will solve real-world problems involving equations with fractions and mixed numbers.**	**Max DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Total Points**
MA 5.2.3.a	Solve real-world problems involving addition and subtraction of fractions and mixed numbers with like and unlike denominators.	3		2 – 4	0 – 2	2 – 5
	Grade 5 Algebra Total	3	5 – 7	4 – 6	0 – 2	11 – 14

MA 5.3	GEOMETRY: Students will communicate geometric concepts and measurement concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Grade 5 Math Geometry				
MA 5.3.1	Characteristics: Students will identify and describe geometric characteristics and create two- and three-dimensional shapes.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 5.3.1.a	Identify three-dimensional figures including cubes, cones, pyramids, prisms, spheres, and cylinders.	1	1 – 2			1 – 2
MA 5.3.1.b	Identify faces, edges, and vertices of rectangular prisms.	1	1 – 2			1 – 2
MA 5.3.1.c	Justify the classification of two-dimensional figures based on their properties.	3		0 – 2	0 – 2	1 – 2
MA 5.3.2	Coordinate Geometry: Students will determine location, orientation, and relationships on the coordinate plane.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 5.3.2.a	Identify the origin, x axis, and y axis of the coordinate plane.	Assessed at the local level				
MA 5.3.2.b	Graph and name points in the first quadrant of the coordinate plane using ordered pairs of whole numbers.	2		2 – 4		2 – 4
MA 5.3.3	Measurement: Students will perform and compare measurements and apply formulas.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 5.3.3.a	Recognize that solid figures have volume that is measured in cubic units.	Assessed at the local level				
MA 5.3.3.b	Use concrete models to measure the volume of rectangular prisms in cubic units by counting cubic units.	2		1 – 2		1 – 2
MA 5.3.3.c	Generate conversions within the customary and metric systems of measurement.	2		1 – 2		1 – 2
Grade 5 Geometry Total		3	5 – 8	3 – 8	0 – 2	10 – 12

MA 5.4	DATA: Students will communicate data analysis/probability concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Grade 5 Math Data				
MA 5.4.1	Representations: Students will create displays that represent data.	*No additional indicator(s) at this level.*				
MA 5.4.2	Analysis & Applications: Students will analyze data to address the situation.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 5.4.2.a	Use observations, surveys, and experiments to collect, represent, and interpret the data using tables (e.g., frequency charts) and bar graphs.			2 – 5	0 – 2	4 – 5
MA 5.4.2.b	Formulate questions that can be addressed with data and make predictions about the data.			2 – 5	0 – 2	4 – 5
MA 5.4.3	Probability: Students will interpret and apply concepts of probability.	*No additional indicator(s) at this level.*				
Grade 5 Data Total		3		4 – 9	0 – 4	8 – 9

NSCAS - Math Table of Specifications

MA 6.1	NUMBER: Students will communicate number sense concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Grade 6 Math Number				
MA 6.1.1	Numeric Relationships: Students will demonstrate, represent, and show relationships among fractions, decimals, percents, and integers within the base-ten number system.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 6.1.1.a	Determine common factors and common multiples using prime factorization of numbers with and without exponents.	1	1 – 2			1 – 2
MA 6.1.1.b	Represent non-negative whole numbers using exponential notation.	1	1 – 2			1 – 2
MA 6.1.1.c	Compare and order rational numbers both on the number line and not on the number line.	2		2 – 3		2 – 3
MA 6.1.1.d	Convert among fractions, decimals, and percents using multiple representations.	2		1 – 2		1 – 2
MA 6.1.1.e	Determine ratios from drawings, words, and manipulatives.	Assessed at the local level				
MA 6.1.1.f	Explain and determine unit rates.	Assessed at the local level				
MA 6.1.1.g	Model integers using drawings, words, manipulatives, number lines, and symbols.	2		2 – 3		2 – 3
MA 6.1.1.h	Compare and order integers and absolute value both on the number line and not on the number line.	2		1 – 2		1 – 2
MA 6.1.1.i	Determine absolute value of rational numbers.	1	1 – 2			1 – 2
MA 6.1.2	Operations: Students will compute with fractions and decimals accurately.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 6.1.2.a	Multiply and divide non-negative fractions and mixed numbers.	1	1 – 2			1 – 2
MA 6.1.2.b	Evaluate expressions with positive exponents.	Assessed at the local level				
MA 6.1.2.c	Divide multi-digit whole numbers using the standard algorithm.	2		1 – 2		1 – 2
MA 6.1.2.d	Add, subtract, multiply, and divide decimals using the standard algorithms.	2		1 – 2		1 – 2
MA 6.1.2.e	Estimate and check reasonableness of answers using appropriate strategies and tools.	2		1 – 2		1 – 2
	Grade 6 Number Total	2	7 – 9	7 – 9		15 – 17

MA 6.2	ALGEBRA: Students will communicate algebraic concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Grade 6 Math Algebra				
MA 6.2.1	Algebraic Relationships: Students will demonstrate, represent, and show relationships with expressions, equations, and inequalities.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 6.2.1.a	Create algebraic expressions (e.g., one operation, one variable as well as multiple operations, one variable) from word phrases.	1	1 – 2			1 – 2
MA 6.2.1.b	Recognize and generate equivalent algebraic expressions involving distributive property and combining like terms.	Assessed at the local level				
MA 6.2.1.c	Represent and analyze the relationship between two variables using graphs, tables, and one-step equations.	Assessed at the local level				
MA 6.2.2	Algebraic Processes: Students will apply the operational properties when evaluating expressions, and solving equations and inequalities.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 6.2.2.a	Simplify expressions using the distributive property and combining like terms.	1	1 – 2			1 – 2
MA 6.2.2.b	Use substitution to determine if a given value for a variable makes an equation or inequality true.	2		1 – 2		1 – 2
MA 6.2.2.c	Evaluate numerical expressions, including absolute value and exponents, with respect to order of operations.	1	1 – 2			1 – 2
MA 6.2.2.d	Given the value of the variable, evaluate algebraic expressions (which may include absolute value) with respect to order of operations (non-negative rational numbers).	2		1 – 2		1 – 2
MA 6.2.2.e	Solve one-step equations with non-negative rational numbers using addition, subtraction, multiplication and division.	1	1 – 2			1 – 2
MA 6.2.2.f	Use equivalent ratios relating quantities with whole numbers to create a table. Find missing values in the table.	2		2 – 4		2 – 4
MA 6.2.2.g	Represent inequalities on a number line (e.g., graph $x > 3$).	2		1 – 2		1 – 2

MA 6.2.3	Applications: Students will solve real-world problems involving ratios, unit rates, and percents.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 6.2.3.a	Write equations (e.g., one operation, one variable) to represent real-world problems involving non-negative rational numbers.	Assessed at the local level				
MA 6.2.3.b	Solve real-world problems involving non-negative rational numbers.	2		1 – 2		1 – 2
MA 6.2.3.c	Solve real-world problems involving percents of numbers.	2		1 – 2		1 – 2
MA 6.2.3.d	Solve real-world problems using ratios and unit rates.	2		2 – 4		2 – 4
	Grade 6 Algebra Total	2	4 – 6	13 – 15	0 – 2	18 – 21

MA 6.3	GEOMETRY: Students will communicate geometric concepts and measurement concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Grade 6 Math Geometry				
MA 6.3.1	Characteristics: Students will identify and describe geometric characteristics and create two- and three-dimensional shapes.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 6.3.1.a	Identify and create nets to represent two-dimensional drawings of prisms, pyramids, cylinders, and cones.	2		1 – 2		1 – 2
MA 6.3.2	Coordinate Geometry: Students will determine location, orientation, and relationships on the coordinate plane.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 6.3.2.a	Identify the ordered pair of a given point in the coordinate plane.	2		1 – 2		1 – 2
MA 6.3.2.b	Plot the location of an ordered pair in the coordinate plane.	Assessed at the local level				
MA 6.3.2.c	Identify the quadrant of a given point in the coordinate plane.	2		1 – 2		1 – 2
MA 6.3.2.d	Draw polygons in the coordinate plane given coordinates for the vertices.	2		1 – 2		1 – 2
MA 6.3.2.e	Calculate vertical and horizontal distances in the coordinate plane to find perimeter and area.	Assessed at the local level				

MA 6.3.3	Measurement: Students will perform and compare measurements and apply formulas.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 6.3.3.a	Determine the area of quadrilaterals, including parallelograms, trapezoids, and triangles by composition and decomposition of polygons as well as application of formulas.	2		2 – 4		2 – 4
MA 6.3.3.b	Determine the surface area of rectangular prisms and triangular prisms using nets.	2		2 – 4		2 – 4
MA 6.3.3.c	Apply volume formulas for rectangular prisms.	2		2 – 4		2 – 4
Grade 6 Geometry Total		2		11 – 13		11 – 13

MA 6.4	DATA: Students will communicate data analysis/probability concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Grade 6 Math Data				
MA 6.4.1	Representations: Students will create displays that represent data.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 6.4.1.a	Represent data using line plots, dot plots, box plots, and histograms.	Assessed at the local level				
MA 6.4.2	Analysis & Applications: Students will analyze data to address the situation.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 6.4.2.a	Solve problems using information presented in line plots, dot plots, box plots, and histograms.	2		2 – 4		2 – 4
MA 6.4.2.b	Compare and interpret data sets based upon their graphical representations (e.g., center, spread, and shape).	3		2 – 3	0 – 2	2 – 4
MA 6.4.2.c	Find and interpret the mean, median, mode, and range for a set of data.	2	1 – 2	1 – 2		2 – 4
MA 6.4.2.d	Compare the mean, median, mode, and range from two sets of data.	3		1 – 2	0 – 2	1 – 3
MA 6.4.3	Probability: Students will interpret and apply concepts of probability.	*No additional indicator(s) at this level.*				
Grade 6 Data Total		3	1 – 2	7 – 9	0 – 4	9 – 11

NSCAS - Math Table of Specifications						
MA 7.1	**NUMBER: Students will communicate number sense concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.**	**Grade 7 Math Number**				
MA 7.1.1	**Numeric Relationships: Students will demonstrate, represent, and show relationships among rational numbers within the base-ten number system.**	***No additional indicator(s) at this level.***				
MA 7.1.2	**Operations: Students will compute with rational numbers accurately.**	**Max DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Total Points**
MA 7.1.2.a	Solve problems using proportions and ratios (e.g., cross products, percents, tables, equations, and graphs).	2		3 – 5		3 – 5
MA 7.1.2.b	Add, subtract, multiply, and divide rational numbers (e.g., positive and negative fractions, decimals, and integers).	2		2 – 4		2 – 4
MA 7.1.2.c	Apply properties of operations as strategies for problem solving with rational numbers.	Assessed at the local level				
MA 7.1.2.d	Use multiple strategies to add, subtract, multiply, and divide integers.	2		2 – 4		2 – 4
MA 7.1.2.e	Estimate and check reasonableness of answers using appropriate strategies and tools.	2		2 – 4		2 – 4
	Grade 7 Number Total	2		11 – 15		11 – 15

MA 7.2	ALGEBRA: Students will communicate algebraic concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Grade 7 Math Algebra				
MA 7.2.1	Algebraic Relationships: Students will demonstrate, represent, and show relationships with expressions, equations, and inequalities.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 7.2.1.a	Describe and create an inequality from words and pictures (e.g., one-step, one-variable).	2	1 – 2	1 – 2		2 – 4
MA 7.2.1.b	Represent real-world situations with proportions.	2		2 – 4		2 – 4
MA 7.2.2	Algebraic Processes: Students will apply the operational properties when evaluating expressions, and solving equations and inequalities.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 7.2.2.a	Solve equations using the distributive property and combining like terms.	1	1 – 2			1 – 2
MA 7.2.2.b	Use factoring and properties of operations to create equivalent algebraic expressions (e.g., 2x + 6 = 2(x + 3)).	1	1 – 2			1 – 2
MA 7.2.2.c	Given the value of the variable(s), evaluate algebraic expressions (including absolute value).	1	1 – 2			2 – 4
MA 7.2.2.d	Solve two-step equations involving rational numbers which include the integers.	1	1 – 2			2 – 4
MA 7.2.2.e	Solve one-step inequalities involving integers and rational numbers and represent solutions on a number line.	2		2 – 4		2 – 4
MA 7.2.3	Applications: Students will solve real-world problems involving expressions, equations, and inequalities.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 7.2.3.a	Describe and write linear equations from words and tables.	1	1 – 2			1 – 2
MA 7.2.3.b	Write a two-step equation to represent real-world problems involving rational numbers in any form.	2		2 – 4		2 – 4
MA 7.2.3.c	Solve real-world problems with equations that involve rational numbers in any form.	2		1 – 2		1 – 2
MA 7.2.3.d	Solve real-world problems with inequalities.	2		1 – 2		1 – 2
MA 7.2.3.e	Use proportional relationships to solve real-world problems, including percent problems, (e.g., % increase, % decrease, mark-up, tip, simple interest).	2		2 – 4		2 – 4
MA 7.2.3.f	Solve real-world problems involving scale drawings using a proportional relationship.	2		2 – 4		2 – 4
	Grade 7 Algebra Total	2	6 – 8	13 – 15		19 – 22

MA 7.3	GEOMETRY: Students will communicate geometric concepts and measurement concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Grade 7 Math Geometry				
MA 7.3.1	Characteristics: Students will identify and describe geometric characteristics of two-dimensional shapes.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 7.3.1.a	Apply and use properties of adjacent, complementary, supplementary, and vertical angles to find missing angle measures.	2		2 – 4		2 – 4
MA 7.3.1.b	Draw triangles (freehand using a ruler and a protractor, and using technology) with given conditions of three measures of angles or sides, and notice when the conditions determine a unique triangle, more than one triangle, or no triangle.	Assessed at the local level				
MA 7.3.2	Coordinate Geometry: Students will determine location, orientation, and relationships on the coordinate plane.	*No additional indicator(s) at this level.*				
MA 7.3.3	Measurement: Students will perform and compare measurements and apply formulas.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 7.3.3.a	Solve real-world problems involving perimeter and area of composite shapes made from triangles, quadrilaterals and polygons.	2		2 – 4		2 – 4
MA 7.3.3.b	Solve real-world problems involving surface area and volume of composite shapes made from rectangular and triangular prisms.	2		2 – 4		2 – 4
MA 7.3.3.c	Determine the area and circumference of circles both on and off the coordinate plane.	2		2 – 4		2 – 4
Grade 7 Geometry Total		2		11 – 13		11 – 13

MA 7.4	DATA: Students will communicate data analysis/probability concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Grade 7 Math Data				
MA 7.4.1	Representations: Students will create displays that represent data.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 7.4.1.a	Represent data using circle graphs.	Assessed at the local level				
MA 7.4.2	Analysis & Applications: Students will analyze data to address the situation.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 7.4.2.a	Solve problems using information presented in circle graphs.	2		2 – 4		2 – 4
MA 7.4.2.b	Explain the difference between a population and a sample.	Assessed at the local level				
MA 7.4.2.c	Generate conclusions about a population based upon a random sample.	Assessed at the local level				
MA 7.4.2.d	Determine and critique biases in different data representations.	Assessed at the local level				
MA 7.4.3	Probability: Students will interpret and apply concepts of probability.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 7.4.3.a	Generate a list of possible outcomes for a simple event.	Assessed at the local level				
MA 7.4.3.b	Describe the theoretical probability of an event using a fraction, percentage, and decimal.	2		1 – 2	0 – 2	1 – 3
MA 7.4.3.c	Find theoretical probabilities for independent events.	2		1 – 2	0 – 2	1 – 3
MA 7.4.3.d	Perform simple experiments and express the degree of likelihood (possible, impossible, certain, more likely, equally likely, or less likely); write as fractions and percentages.	Assessed at the local level				
MA 7.4.3.e	Find experimental probability for independent events.	2		1 – 2	0 – 2	1 – 3
MA 7.4.3.f	Compare and contrast theoretical and experimental probabilities.	2		1 – 2	0 – 2	1 – 3
MA 7.4.3.g	Find the probability of dependent compound events.	2		1 – 2	0 – 2	1 – 3
MA 7.4.3.h	Identify complementary events and calculate their probabilities.	2		1 – 2	0 – 2	1 – 3
Grade 7 Data Total		3		12 – 15	0 – 4	12 – 16

NSCAS - Math Table of Specifications						
MA 8.1	**NUMBER: Students will communicate number sense concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.**	**Grade 8 Math Number**				
MA 8.1.1	**Numeric Relationships: Students will demonstrate, represent, and show relationships among real numbers within the base-ten number system.**	**Max DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Total Points**
MA 8.1.1.a	Determine subsets of numbers as natural, whole, integer, rational, irrational, or real, based on the definitions of these sets of numbers.	1	2 – 3			2 – 3
MA 8.1.1.b	Represent numbers with positive and negative exponents and in scientific notation.	1	2 – 3			2 – 3
MA 8.1.1.c	Describe the difference between a rational and irrational number.	Assessed at the local level				
MA 8.1.1.d	Approximate, compare, and order real numbers (both rational and irrational) and order real numbers both off and on the number line.	2		2 – 3		2 – 3
MA 8.1.2	**Operations: Students will compute with exponents and roots.**	**Max DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Total Points**
MA 8.1.2.a	Evaluate the square roots of perfect squares less than or equal to 400 and cube roots of perfect cubes less than or equal to 125.	1	2 – 3			2 – 3
MA 8.1.2.b	Simplify numerical expressions involving exponents and roots (e.g., 4^(-2) is the same as 1/16).	1	2 – 3			2 – 3
MA 8.1.2.c	Simplify numerical expressions involving absolute value.	1	2 – 3			2 – 3
MA 8.1.2.d	Multiply and divide numbers using scientific notation.	Assessed at the local level				
MA 8.1.2.e	Estimate and check reasonableness of answers using appropriate strategies and tools.	1	2 – 3			2 – 3
	Grade 8 Number Total	**2**	**12 – 15**	**2 – 3**		**13 – 16**

MA 8.2	ALGEBRA: Students will communicate algebraic concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Grade 8 Math Algebra				
MA 8.2.1	Algebraic Relationships: Students will demonstrate, represent, and show relationships with expressions, equations, and inequalities.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 8.2.1.a	Create algebraic expressions, equations, and inequalities (e.g., two-step, one variable) from word phrases, tables, and pictures.	2	1 – 2	1 – 2		2 – 4
MA 8.2.1.b	Determine and describe the rate of change for given situations through the use of tables and graphs.	2		2 – 4		2 – 4
MA 8.2.1.c	Describe equations and linear graphs as having one solution, no solution, or infinitely many solutions.	1	1 – 2			1 – 2
MA 8.2.1.d	Graph proportional relationships and interpret the slope.	2		2 – 4		2 – 4
MA 8.2.2	Algebraic Processes: Students will apply the operational properties when evaluating expressions and solving expressions, equations, and inequalities.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 8.2.2.a	Solve multi-step equations involving rational numbers with the same variable appearing on both sides of the equal sign.	1	2 – 3			2 – 3
MA 8.2.2.b	Solve two-step inequalities involving rational numbers and represent solutions on a number line.	2		2 – 4		2 – 4
MA 8.2.3	Applications: Students will solve real-world problems involving multi-step equations and multi-step inequalities.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 8.2.3.a	Describe and write equations from words, patterns, and tables.	2		2 – 4		2 – 4
MA 8.2.3.b	Write a multi-step equation to represent real-world problems using rational numbers in any form.	2		2 – 4		2 – 4
MA 8.2.3.c	Solve real-world multi-step problems involving rational numbers in any form.	3		1 – 3	0 – 2	2 – 4
	Grade 8 Algebra Total	3	4 – 6	12 – 14	0 – 2	17 – 21

MA 8.3	GEOMETRY: Students will communicate geometric concepts and measurement concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Grade 8 Math Geometry				
MA 8.3.1	Characteristics: Students will identify and describe geometric characteristics of two-dimensional shapes.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 8.3.1.a	Determine and use the relationships of the interior angles of a triangle to solve for missing measures.	2		2 – 4		2 – 4
MA 8.3.1.b	Identify and apply geometric properties of parallel lines cut by a transversal and the resulting corresponding, alternate interior, and alternate exterior angles to find missing measures.	2		2 – 4		2 – 4
MA 8.3.2	Coordinate Geometry: Students will determine location, orientation, and relationships on the coordinate plane.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 8.3.2.a	Perform and describe positions and orientation of shapes under single transformations including rotations (in multiples of 90 degrees about the origin), translations, reflections, and dilations on and off the coordinate plane.	2		2 – 4		2 – 4
MA 8.3.2.b	Find congruent two-dimensional figures and define congruence in terms of a series of transformations.	2		1 – 2		1 – 2
MA 8.3.2.c	Find similar two-dimensional figures and define similarity in terms of a series of transformations.	2		1 – 2		1 – 2
MA 8.3.3	Measurement: Students will perform and compare measurements and apply formulas.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 8.3.3.a	Explain a model of the Pythagorean Theorem.	Assessed at the local level				
MA 8.3.3.b	Apply the Pythagorean Theorem to find side lengths of triangles and to solve real-world problems.	3		2 – 4	0 – 2	3 – 5
MA 8.3.3.c	Find the distance between any two points on the coordinate plane using the Pythagorean Theorem.	2		2 – 4		2 – 4
MA 8.3.3.d	Determine the volume of cones, cylinders, and spheres, and solve real-world problems using volumes.	2		2 – 4		2 – 4
Grade 8 Geometry Total		3		14 – 17	0 – 2	16 – 19

MA 8.4	DATA: Students will communicate data analysis/probability concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Grade 8 Math Data				
MA 8.4.1	Representations: Students will create displays that represent data.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 8.4.1.a	Represent bivariate data (i.e. ordered pairs) using scatter plots.	2		4 – 5		4 – 5
MA 8.4.2	Analysis & Applications: Students will analyze data to address the situation.	Max DOK Level	DOK 1	DOK 2	DOK 3	Total Points
MA 8.4.2.a	Solve problems and make predictions using an approximate line of best fit.	2		4 – 5		4 – 5
MA 8.4.3	Probability: Students will interpret and apply concepts of probability.	*No additional indicator(s) at this level.*				
Grade 8 Data Total		2		8 – 10		8 – 10

NSCAS - Science Table of Specifications					
Grade 5					
Inquiry, The Nature of Science, and Technology					
Grade 5 Abilities to do Scientific Inquiry	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 5.1.1 Students will plan and conduct investigations that lead to the development of explanations.					**8-13**
SC 5.1.1.a Ask testable scientific questions	2				
SC 5.1.1.b Plan and conduct investigations and identify factors that have the potential to impact an investigation	3				
SC 5.1.1.c Select and use equipment correctly and accurately	1				
SC 5.1.1.d Make relevant observations and measurements	2				
SC 5.1.1.e Collect and organize data	2				
SC 5.1.1.f Develop a reasonable explanation based on collected data	3				
SC 5.1.1.g Share information, procedures, and results with peers and/or adults	2				
SC 5.1.1.h Provide feedback on scientific investigations	3				
SC 5.1.1.i Use appropriate mathematics in all aspects of scientific inquiry	2				
Grade 5 Nature of Science	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 5.1.2 Students will describe how scientists go about their work.	**Assessed at the local level**				
SC 5.1.2.a Recognize that scientific explanations are based on evidence and scientific knowledge					
SC 5.1.2.b Recognize that new discoveries are always being made which impact scientific knowledge					
SC 5.1.2.c Recognize many different people study science					
Grade 5 Technology	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 5.1.3 Students will solve a simple design problem.	**Assessed at the local level**				

SC 5.1.3.a Identify a simple problem					
SC 5.1.3.b Propose a solution to a simple problem					
SC 5.1.3.c Implement the proposed solution					
SC 5.1.3.d Evaluate the implementation					
SC 5.1.3.e Communicate the problem, design, and solution					
PHYSICAL SCIENCE					
Grade 5 Matter	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 5.2.1 Students will explore and describe the physical properties of matter and its changes.					**3-6**
SC 5.2.1.a Identify mixtures and pure substances	1				
SC 5.2.1.b Identify physical properties of matter (color, odor, elasticity, weight, volume)	1				
SC 5.2.1.c Use appropriate metric measurements to describe physical properties	1				
SC 5.2.1.d Identify state change caused by heating and cooling solids, liquids, and gasses	1				
Grade 5 Force and Motion	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 5.2.2 Students will identify the influence of forces on motion.					**3-5**
SC 5.2.2.a Describe motion by tracing and measuring an object's position over a period of time (speed)	2				
SC 5.2.2.b Describe changes in motion due to outside forces (push, pull, gravity)	1				
SC 5.2.2 c Describe magnetic behavior in terms of attraction and repulsion	1				
Grade 5 Energy	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 5.2.3 Students will observe and identify signs of energy transfer.					**4-7**
SC 5.2.3.a Recognize that sound is produced from vibrating objects; the sound can be changed by changing the vibration	1				
SC 5.2.3.b Recognize that light travels in a straight line and can be reflected by an object (mirror)	1				
SC 5.2.3.c Recognize that light can travel through certain materials and not others (transparent, translucent, opaque)	1				

SC 5.2.3.d Identify ways to generate heat (friction, burning, incandescent light bulb)	1				
SC 5.2.3.e Identify materials that act as thermal conductors or insulators	1				
SC 5.2.3.f Recognize that the transfer of electricity in an electrical circuit requires a closed loop	1				
LIFE SCIENCE					
Grade 5 Structure and Function of Living Systems	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 5.3.1 Students will investigate and compare the characteristics of living things.					**2-4**
SC 5.3.1.a Compare and contrast characteristics of living and nonliving things	2				
SC 5.3.1.b Identify how parts of plants and animals function to meet basic needs (e.g., leg of an insect helps an insect move, root of a plant helps the plant obtain water)	1				
Grade 5 Heredity	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 5.3.2 Students will identify variations of inherited characteristics and life cycles.					**2-4**
SC 5.3.2.a Identify inherited characteristics of plants and animals	1				
SC 5.3.2.b Identify the life cycle of an organism	1				
Grade 5 Flow of Matter and Energy in Ecosystems	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 5.3.3 Students will describe relationships within an ecosystem.					**4-7**
SC 5.3.3.a Diagram and explain a simple food chain beginning with the Sun	2				
SC 5.3.3.b Identify the role of producers, consumers, and decomposers in an ecosystem	1				
SC 5.3.3.c Recognize the living and nonliving factors that impact the survival of organisms in an ecosystem	1				
SC 5.3.3.d Recognize all organisms cause changes, some beneficial and some detrimental, in the environment where they live	1				
Grade 5 Biodiversity	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 5.3.4 Students will describe changes in organisms over time.					**1-2**

SC 5.3.4.a Describe adaptations made by plants or animals to survive environmental changes	1				
EARTH AND SPACE SCIENCE					
Grade 5 Earth in Space	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 5.4.1 Students will observe and describe characteristics, patterns, and changes in the sky.					**1-2**
SC 5.4.1.a Recognize that the observed shape of the Moon changes from day to day during a one month period	1				
SC 5.4.1.b Recognize the motion of objects in the sky (the Sun, the Moon, stars) change over time in recognizable patterns	1				
Grade 5 Earth Structures and Processes	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 5.4.2 Students will observe and describe Earth's materials, structure, and processes.					**4-6**
SC 5.4.2.a Describe the characteristics of rocks, minerals, soil, water, and the atmosphere	1				
SC 5.4.2.b Identify weathering, erosion, and deposition as processes that build up or break down Earth's surface	1				
SC 5.4.2.c Identify how Earth materials are used (fuels, building materials, sustaining plant life)	1				
Grade 5 Energy in Earth's Systems	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 5.4.3 Students will observe and describe the effects of energy changes on Earth.					**3-5**
SC 5.4.3.a Describe the Sun's warming effect on the land and water	1				
SC 5.4.3.b Observe, measure, and record changes in weather (temperature, wind direction and speed, precipitation)	2				
SC 5.4.3.c Recognize the difference between weather, climate, and seasons	1				
Grade 5 Earth's History	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 5.4.4 Students will describe changes in Earth.					**1-3**

SC 5.4.4.a Describe how slow processes (erosion, weathering, deposition) and rapid processes (landslides, volcanic eruptions, earthquakes) change Earth's surface	1				

NSCAS - Science Table of Specifications					
Grade 8					
Inquiry, The Nature of Science, and Technology					
Grade 8 Abilities to do Scientific Inquiry	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 8.1.1 Students will design and conduct investigations that will lead to descriptions of relationships between evidence and explanations.					**8-13**
SC 8.1.1.a Formulate testable questions that lead to predictions and scientific investigations	2				
SC 8.1.1.b Design and conduct logical and sequential investigations including repeated trials	3				
SC 8.1.1.c Determine controls and use dependent (responding) and independent (manipulated) variables	3				
SC 8.1.1.d Select and use equipment appropriate to the investigation, demonstrate correct techniques	1				
SC 8.1.1.e Make qualitative and quantitative observations	2				
SC 8.1.1.f Record and represent data appropriately and review for quality, accuracy, and relevancy	3				
SC 8.1.1.g Evaluate predictions, draw logical inferences based on observed patterns/relationships, and account for non-relevant information	3				
SC 8.1.1.h Share information, procedures, results, and conclusions with appropriate audiences	2				
SC 8.1.1.i Analyze and provide appropriate critique of scientific investigations	3				
SC 8.1.1.j Use appropriate mathematics in all aspects of scientific inquiry	2				
Grade 8 Nature of Science	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 8.1.2 Students will apply the nature of science to their own investigations.	**Assessed at the local level**				
SC 8.1.2.a Recognize science is an ongoing process and the scientific community accepts and uses explanations until they encounter new experimental evidence not matching existing explanations					
SC 8.1.2.b Describe how scientific discoveries influence and change society					

SC 8.1.2.c Recognize scientists from various cultures have made many contributions to explain the natural world					
Grade 8 Technology	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 8.1.3 Students will solve a design problem which involves one or two science concepts.	**Assessed at the local level**				
SC 8.1.3.a Identify problems for technical design					
SC 8.1.3.b Design a solution or product					
SC 8.1.3.c Implement the proposed design					
SC 8.1.3.d Evaluate completed technological designs or products					
SC 8.1.3.e Communicate the process of technical design					
SC 8.1.3.f Distinguish between scientific inquiry (asking questions about the natural world) and technological design (using science to solve practical problems)					
SC 8.1.3.g Describe how science and technology are reciprocal					
SC 8.1.3.h Recognize that solutions have intended and unintended consequences					
SC 8.1.3.i Compare and contrast the reporting of scientific knowledge and the reporting of technological knowledge					
PHYSICAL SCIENCE					
Grade 8 Matter	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 8.2.1 Students will identify and describe the particulate nature of matter including physical and chemical interactions.					**4-7**
SC 8.2.1.a Compare and contrast elements, compounds, and mixtures	2				
SC 8.2.1.b Describe physical and chemical properties of matter	2				
SC 8.2.1.c Recognize most substances can exist as a solid, liquid, or gas depending on temperature	1				
SC 8.2.1.d Compare and contrast solids, liquids, and gasses based on properties of these states of matter	2				
SC 8.2.1.e Distinguish between physical and chemical changes (phase changes, dissolving, burning, rusting)	1				
SC 8.2.1.f Recognize conservation of matter in physical and chemical changes	1				

SC 8.2.1.g Classify substances into similar groups based on physical properties	2				
Grade 8 Force and Motion	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 8.2.2 Students will investigate and describe forces and motion.					**3-6**
SC 8.2.2.a Describe motion of an object by its position and velocity	2				
SC 8.2.2.b Recognize an object that is not being subjected to a force will continue to move at a constant speed in a straight line or stay at rest (Newton's 1st law)	1				
SC 8.2.2.c Compare the motion of objects related to the effects of balanced and unbalanced forces	2				
SC 8.2.2.d Recognize that everything on or around Earth is pulled towards Earth's center by gravitational force	1				
Grade 8 Energy	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 8.2.3 Students will identify and describe how energy systems and matter interact.					**3-6**
SC 8.2.3.a Recognize that vibrations set up wave-like disturbances that spread away from the source (sound, seismic, water waves)	1				
SC 8.2.3.b Identify that waves move at different speeds in different materials	1				
SC 8.2.3.c Recognize that light interacts with matter by transmission (including refraction), absorption, or scattering (including reflection)	1				
SC 8.2.3.d Recognize that to see an object, light from the surface of the object must enter the eye; the color seen depends on the properties of the surface and the color of the available light sources	1				
SC 8.2.3.e Recognize that heat moves from warmer objects to cooler objects until both reach the same temperature	1				
SC 8.2.3.f Describe transfer of energy from electrical and magnetic sources to different energy forms (heat, light, sound, chemical)	1				
SC 8.2.3.g Recognize all energy is neither created nor destroyed	1				
LIFE SCIENCE					
Grade 8 Structure and Function of Living Systems	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**

SC 8.3.1 Students will investigate and describe the structure and function of living organisms.					**4-7**
SC 8.3.1.a Recognize the levels of organization in living organisms (cells, tissues, organs, organ systems, organisms)	1				
SC 8.3.1.b Recognize that all organisms are composed of one or many cells; that these cells must grow, divide, and use energy; and that all cells function similarly	1				
SC 8.3.1.c Recognize specialized cells perform specialized functions in multicellular organisms	1				
SC 8.3.1.d Identify the organs and functions of the major systems of the human body and describe ways that these systems interact with each other	1				
SC 8.3.1.e Describe how plants and animals respond to environmental stimuli	1				
Grade 8 Heredity	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 8.3.2 Students will investigate and describe the relationship between reproduction and heredity.					**1-3**
SC 8.3.2.a Recognize that hereditary information is contained in genes within the chromosomes of each cell	1				
SC 8.3.2.b Compare and contrast sexual and asexual reproduction	2				
Grade 8 Flow of Matter and Energy in Ecosystems	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 8.3.3 Students will describe populations and ecosystems.					**3-6**
SC 8.3.3.a Diagram and explain the flow of energy through a simple food web	2				
SC 8.3.3.b Compare the roles of producers, consumers, and decomposers in an ecosystem	2				
SC 8.3.3.c Recognize that producers transform sunlight into chemical energy through photosynthesis	1				
SC 8.3.3.d Determine the biotic and abiotic factors that impact the number of organisms an ecosystem can support	2				
SC 8.3.3.e Recognize a population is all the individuals of a species at a given place and time	1				
SC 8.3.3.f Identify symbiotic relationships among organisms	1				
SC 8.3.3.g Identify positive and negative effects of natural and human activity on an ecosystem	2				

Grade 8 Biodiversity	Highest DOK level tested	DOK 1	DOK 2	DOK 3	Item Total
SC 8.3.4 Students will identify characteristics of organisms that help them survive.					2-4
SC 8.3.4.a Describe how an inherited characteristic enables an organism to improve its survival rate	2				
SC 8.3.4.b Recognize the extinction of a species is caused by the inability to adapt to an environmental change	1				
SC 8.3.4.c Use anatomical features of an organism to infer similarities among other organisms	2				
EARTH AND SPACE SCIENCE					
Grade 8 Earth in Space	**Highest DOK level tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 8.4.1 Students will investigate and describe Earth and the solar system.					2-4
SC 8.4.1.a Describe the components of the solar system (the Sun, planets, moons, asteroids, comets)	1				
SC 8.4.1.b Describe the relationship between motion of objects in the solar system and the phenomena of day, year, eclipses, phases of the Moon and seasons	2				
SC 8.4.1.c Describe the effects of gravity on Earth (tides) and the effect of gravity on objects in the solar system	2				
Grade 8 Earth Structures and Processes	**Highest DOK level Tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 8.4.2 Students will investigate and describe Earth's structure, systems, and processes.					6-10
SC 8.4.2.a Describe the layers of Earth (core, mantle, crust, atmosphere)	1				
SC 8.4.2.b Describe the physical composition of soil	1				
SC 8.4.2.c Describe the mixture of gasses in Earth's atmosphere and how the atmosphere's properties change at different elevations	1				
SC 8.4.2.d Describe evidence of Earth's magnetic field	1				
SC 8.4.2.e Compare and contrast constructive and destructive forces (deposition, erosion, weathering, plate motion causing uplift, volcanoes, earthquakes) that impact Earth's surface	2				
SC 8.4.2.f Describe the rock cycle	1				
SC 8.4.2.g Describe the water cycle (evaporation, condensation, precipitation)	1				

SC 8.4.2.h Classify Earth materials as renewable or nonrenewable	2				
Grade 8 Energy in Earth's Systems	**Highest DOK level Tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 8.4.3 Students will investigate and describe energy in Earth's systems.					**2-4**
SC 8.4.3.a Describe how energy from the Sun influences the atmosphere and provides energy for plant growth	1				
SC 8.4.3.b Identify factors that influence daily and seasonal changes on Earth (tilt of the Earth, humidity, air pressure, air masses)	1				
SC 8.4.3.c Describe atmospheric movements that influence weather and climate (air masses, jet stream)	1				
Grade 8 Earth's History	**Highest DOK level Tested**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
SC 8.4.4 Students will use evidence to draw conclusions about changes in Earth.					**1-3**
SC 8.4.4.a Recognize that Earth processes we see today are similar to those that occurred in the past (uniformity of processes)	1				
SC 8.4.4.b Describe how environmental conditions have changed through use of the fossil record	2				

Appendix B: Number of Items by Standard Taken to Committee

Table B.1. Number of Items by Standard Taken to Committee Review—ELA

Grade	Standard	#Items Taken to Committee
3	LA 3.1 – Reading	113
	LA 3.1.5	24
	LA 3.1.6	89
	LA 3.2 – Writing	74
	LA 3.2.1	44
	LA 3.2.2	30
	Grade 3 Total	**187**
4	LA 4.1 – Reading	92
	LA 4.1.5	14
	LA 4.1.6	76
	LA 4.2 – Writing	79
	LA 4.2.1	55
	LA 4.2.2	24
	Grade 4 Total	**171**
5	LA 5.1 – Reading	105
	LA 5.1.5	18
	LA 5.1.6	87
	LA 5.2 – Writing	48
	LA 5.2.1	34
	LA 5.2.2	14
	Grade 5 Total	**153**
6	LA 6.1 – Reading	119
	LA 6.1.5	32
	LA 6.1.6	87
	LA 6.2 – Writing	50
	LA 6.2.1	37
	LA 6.2.2	13
	Grade 6 Total	**169**
7	LA 7.1 – Reading	100
	LA 7.1.5	22
	LA 7.1.6	78
	LA 7.2 – Writing	80
	LA 7.2.1	62
	LA 7.2.2	18
	Grade 7 Total	**180**
8	LA 8.1 – Reading	97
	LA 8.1.5	24
	LA 8.1.6	73
	LA 8.2 – Writing	95
	LA 8.2.1	75
	LA 8.2.2	20
	Grade 8 Total	**192**

Table B.2. Number of Items Taken to Committee Review by Standard—Mathematics

Grade	Standard	#Items Taken to Committee			
			TEI		
		MC	Total	1-pt.	2-pt
3	MA 3.1 – Number	13	21	13	8
	MA 3.1.1	10	15	9	6
	MA 3.1.2	3	6	4	2
	MA 3.2 – Algebra	9	12	8	4
	MA 3.2.1	3	5	3	2
	MA 3.2.2	3	3	2	1
	MA 3.2.3	3	4	3	1
	MA 3.3 – Geometry	10	15	8	7
	MA 3.3.1	3	5	3	2
	MA 3.3.2	--	--	--	--
	MA 3.3.3	7	10	5	5
	MA 3.4 – Data	8	12	7	5
	MA 3.4.1	6	9	5	4
	MA 3.4.2	2	3	2	1
	MA 3.4.3	--	--	--	--
	Grade 3 Total	**40**	**60**	**36**	**24**
4	MA 4.1 – Number	16	24	12	12
	MA 4.1.1	8	16	7	9
	MA 4.1.2	8	8	5	3
	MA 4.2 – Algebra	10	14	7	7
	MA 4.2.1	2	2	1	1
	MA 4.2.2	4	4	2	2
	MA 4.2.3	4	8	4	4
	MA 4.3 – Geometry	8	12	6	6
	MA 4.3.1	6	9	5	4
	MA 4.3.2	--	--	--	--
	MA 4.3.3	2	3	1	2
	MA 4.4 – Data	6	10	5	5
	MA 4.4.1	3	5	2	3
	MA 4.4.2	3	5	3	2
	MA 4.4.3	--	--	--	--
	Grade 4 Total	**40**	**60**	**30**	**30**

Grade	Standard	#Items Taken to Committee			
			TEI		
		MC	Total	1-pt.	2-pt
5	MA 5.1 – Number	16	24	12	12
	MA 5.1.1	6	12	5	7
	MA 5.1.2	10	12	7	5
	MA 5.2 – Algebra	10	15	7	8
	MA 5.2.1	3	5	2	3
	MA 5.2.2	4	6	3	3
	MA 5.2.3	3	4	2	2
	MA 5.3 – Geometry	8	11	6	5
	MA 5.3.1	4	6	3	3
	MA 5.3.2	1	2	1	1
	MA 5.3.3	3	3	2	1
	MA 5.4 – Data	6	10	5	5
	MA 5.4.1	--	--	--	--
	MA 5.4.2	6	10	5	5
	MA 5.4.3	--	--	--	--
	Grade 5 Total	**40**	**60**	**30**	**30**
6	MA 6.1 – Number	11	16	8	8
	MA 6.1.1	7	10	5	5
	MA 6.1.2	4	6	3	3
	MA 6.2 – Algebra	14	22	11	11
	MA 6.2.1	1	2	1	1
	MA 6.2.2	9	12	7	5
	MA 6.2.3	4	8	3	5
	MA 6.3 – Geometry	8	12	6	6
	MA 6.3.1	1	2	1	1
	MA 6.3.2	3	4	3	1
	MA 6.3.3	4	6	2	4
	MA 6.4 – Data	7	10	5	5
	MA 6.4.1	--	--	--	--
	MA 6.4.2	7	10	5	5
	MA 6.4.3	--	--	--	--
	Grade 6 Total	**40**	**60**	**30**	**30**

Grade	Standard	#Items Taken to Committee			
			TEI		
		MC	Total	1-pt.	2-pt
7	MA 7.1 – Number	8	12	6	6
	MA 7.1.1	--	--	--	--
	MA 7.1.2	8	12	6	6
	MA 7.2 - Algebra	14	22	11	11
	MA 7.2.1	2	5	2	3
	MA 7.2.2	6	8	5	3
	MA 7.2.3	6	9	4	5
	MA 7.3 – Geometry	8	12	6	6
	MA 7.3.1	2	2	1	1
	MA 7.3.2	--	--	--	--
	MA 7.3.3	6	10	5	5
	MA 7.4 – Data	10	14	7	7
	MA 7.4.1	--	--	--	--
	MA 7.4.2	2	2	1	1
	MA 7.4.3	8	12	6	6
	Grade 7 Total	**40**	**60**	**30**	**30**
8	MA 8.1 – Number	10	14	10	4
	MA 8.1.1	4	8	5	3
	MA 8.1.2	6	6	5	1
	MA 8.2 – Algebra	12	18	9	9
	MA 8.2.1	5	8	4	4
	MA 8.2.2	3	3	1	2
	MA 8.2.3	4	7	4	3
	MA 8.3 – Geometry	12	18	10	8
	MA 8.3.1	3	5	3	2
	MA 8.3.2	4	7	4	3
	MA 8.3.3	5	6	3	3
	MA 8.4 – Data	6	10	5	5
	MA 8.4.1	4	4	2	2
	MA 8.4.2	2	6	3	3
	MA 8.4.3	--	--	--	--
	Grade 8 Total	**40**	**60**	**34**	**26**

Appendix C: Data Review Cheat Sheet

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Data Review Cheat Sheet

2018 NSCAS Data Review Meeting with NDE | Sept. 11–12, 2018

Use this document as a guide when reviewing the 2018 NSCAS field test items. It includes flagging criteria for three different scenarios:

- General (both multiple-choice and non-multiple-choice items)
- Multiple-choice items
- Non-multiple-choice items

General			
Statistic	**Flag**	**Meaning**	**Implications for Data Review**
DIF of gender or ethnicity (Black or Hispanic)	C+ or C-	Item is flagged for potential bias toward a certain group of students.	Is there anything that could trigger the bias toward certain groups of students?
Item fit statistics	< 0.7 or > 1.3	Item is flagged for poor fit (unexpected patterns of observations by students on items compared to what is expected by a statistical model).	Is there anything that could trigger the poor fit? The fit statistic is more sensitive to unexpected patterns of observations by persons that are roughly targeted to the item.
Do not use items if items have: • Negative item-total correlation • No second step parameters			

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Multiple-Choice Items			
Statistic	**Flag**	**Meaning**	**Implications for Data Review**
P-value	< 0.2 or > 0.9	Less than 20% of students got the item correct, or more than 90% of students got it correct.	Does it make sense that an item seems very difficult or very easy?
Item-total correlation	< 0.2	The item is not differentiating between high- and low-performing students.	Is the answer key accurate?
Omit	> 5%	More than 5% of students are omitting this item.	Is there anything that could make this item confusing to students?
Item-total correlation for distractors	> 0.05	An incorrect answer is pulling higher scoring students.	Is there anything that a distractor is doing for high-performing students to select it as an answer? Or is there a possibility for two correct answers?
Do not use items if items have: • Negative item-total correlation			

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2018 NSCAS Data Review Meeting with NDE | Sept. 11–12, 2018

Non-Multiple-Choice Items			
Statistic	**Flag**	**Meaning**	**Implications for Data Review**
Step parameters	Step 1 > Step 2	Step parameters are not ordered in value (e.g., the difficulty of score 1 > the difficulty of score 2). There is not a good separation of students into different stages of learning.	Do students really have to show more substantive knowledge to earn more points, or is the same skill being repeated across score points? The same skill more times does not mean students have more knowledge, which is why the step parameters may not be sequenced.
Item-total correlation	< 0.1	The item is not differentiating between high- and low-performing students.	If step parameters are flagged and item total correlation is flagged, the item may not be showing more sophisticated thinking in the content across content. Is the item asking for the same skill more times? If so, this means the item is not working as intended.
Item-total correlation for score of 0	> 0.0	A score of 0 on the item is not differentiating achievement levels as expected.	Is there anything that could make the item perform the opposite of what is expected for high- vs. low-performing students who got a score of 0?
Item-total correlation for score of 1 < item-total correlation for score of 0		A score of 0 on the item is better differentiating achievement levels than score of 1.	Is there anything that could make the item perform the opposite of what is expected for high- vs. low-performing students who got a score of 0 vs. 1?
Item-total correlation for score of 2	< 0.1	A score of 2 on the item is not differentiating achievement levels as expected.	Is there anything that could make the item perform the opposite of what is expected for high- vs. low-performing students who got a score of 2?

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Data Review Cheat Sheet

2018 NSCAS Data Review Meeting with NDE | Sept. 11–12, 2018

Non-Multiple-Choice Items			
Statistic	**Flag**	**Meaning**	**Implications for Data Review**
Item-total correlation for score of 2 < item-total correlation for score of 1		A score of 1 on the item is better at differentiating achievement levels than a score of 2.	Is there anything that could make the item perform the opposite of what is expected for high- vs. low-performing students who got a score of 1 vs. 2?
Low student count for each score	=0	No one got a certain score (e.g., no student got a score of 2).	Is there anything that could make students not receive certain points on an item? A possible scoring error? Is the key correct?
Do not use items if items have: • Negative item-total correlation • No second step parameters			

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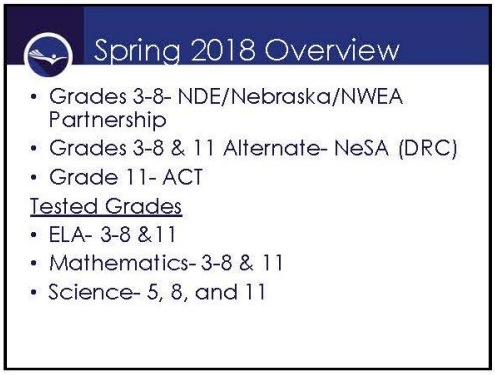
Appendix D: Test Administration Training PowerPoints

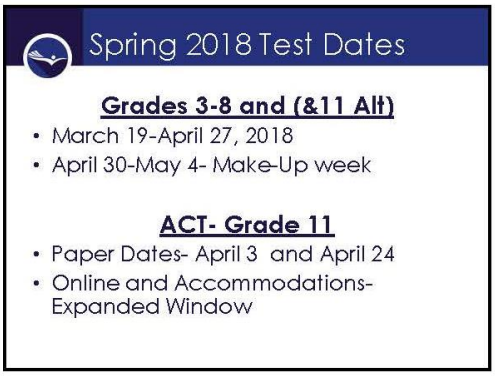
Fall 2017 Regional Workshop

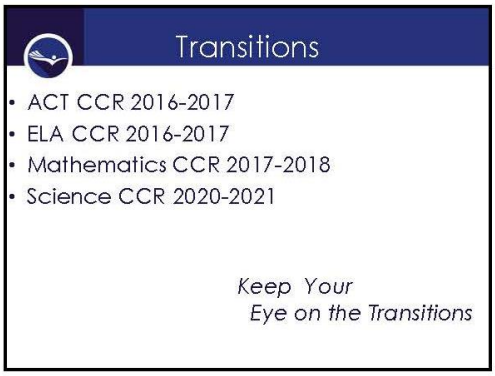


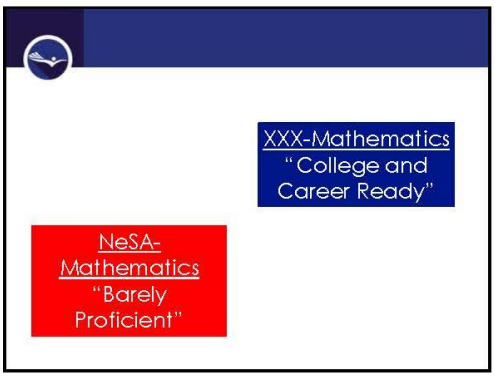


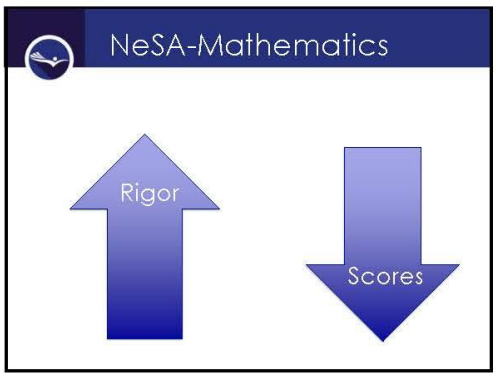


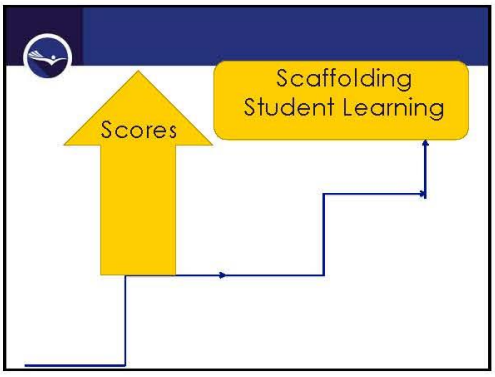


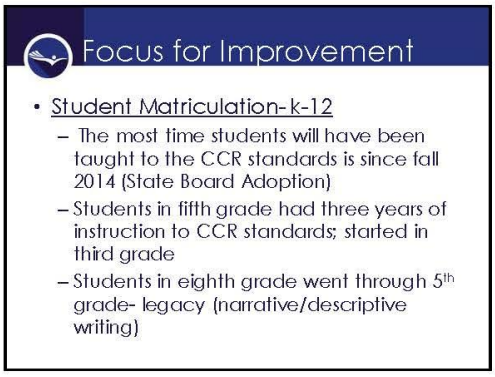


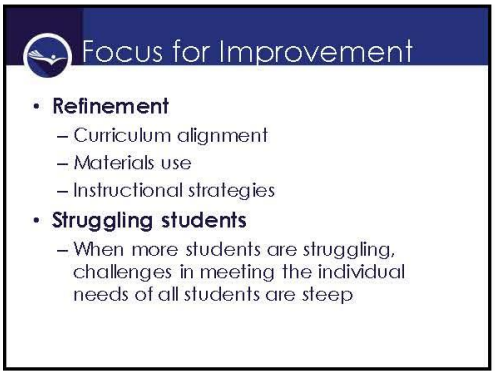



XXX-Mathematics
"College and Career Ready"
NeSA-Mathematics
"Barely Proficient"


NeSA-Mathematics
Rigor
Scores


Scaffolding Student Learning
Scores


Focus for Improvement
Student Matriculation- k-12
The most time students will have been taught to the CCR standards is since fall 2014 (State Board Adoption)
Students in fifth grade had three years of instruction to CCR standards; started in third grade
Students in eighth grade went through 5th grade- legacy (narrative/descriptive writing)


Focus for Improvement
Refinement
Curriculum alignment
Materials use
Instructional strategies
Struggling students
When more students are struggling, challenges in meeting the individual needs of all students are steep


Communication
Continue DAC updates
DAC Update
DAC Update ACT
NDE-District-NWEA Partnership Update
SAA Update
Broader Approach
NDE Communications Staff
Asking Partners to Engage

Communication

- Website
  - –NDE
  - – ACT
  - – NWEA Portal

ACT NDE Coordinator

- Iris Owens

Customer Service



ACT

- October 2, 2017- ACT Nebraska website updates were available- more coming
- November 6- February 16- PA Next available to file for accommodations
- AOP- October 9, 2017
  - – 365 days of access by individual students
  - – Student who does not access during the year cannot access after the school year

Fall Workshops ACT

- November 14 – Harms Center, Scottsbluff
- November 15 – Holiday Inn Ballroom II, Kearney
- November 17 – Cornhusker Marriott, Lincoln

Statewide System of Balanced Assessment to Support Schools/Districts NDE/Nebraska Schools/NWEA

Why it matters

Goals

- Balanced system of assessments at state level
  - – Formative Test Wiz (C4L)
  - – Interim MAP Growth (summer also)
  - – Summative
- Deeper informative results
  - – ~~Longer Tests~~
- Efficient Tests
- Effective Item Types
- Adaptive
- Vertical scale to measure growth
- Faster results- (pre-equating not post)***
- New Brand

Challenges of the New Partnership

- Augment item bank with adaptive items--enough adaptive items
- Develop items adaptive within passages for ELA
- Meet the established Tables of Specifications
- Establish vertical scale
- Stabilize ELA score—without a TDA, but with independent writing skills items that underlie the TDA—maintain trend line

Formative Assessment

- TestWiz by Certica
- C4L items being migrated into TestWiz

Meet their needs daily

Interim Assessment

NWEA MAP Growth
Personalized Learning Statements



Personalized Learning Statements

Evaluates linear expressions at given values with variables involving positive rational numbers → MA 5.2.2.a

Determines whether a linear equation or inequality is true for a given value of the variable → MA 6.2.2.b

Matched to Standards

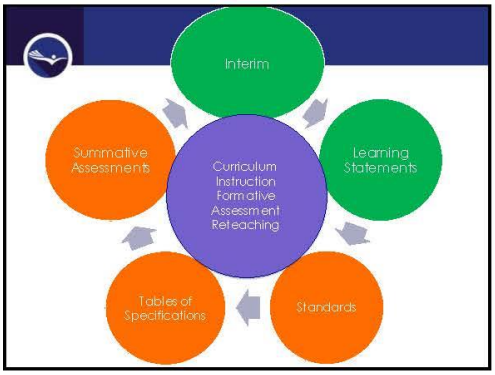
State Standards

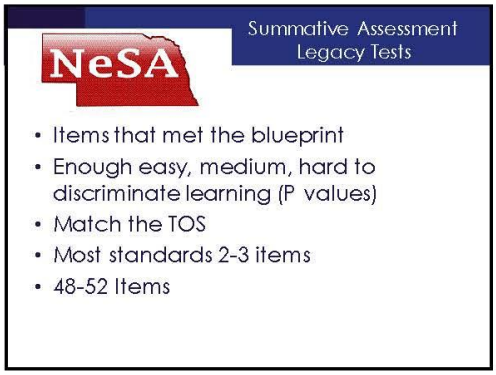
MA 5.2.2.a → Fifth Grade Mathematics Table of Specifications

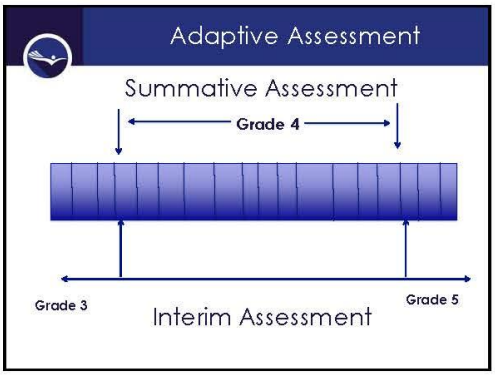
MA 6.2.2.b → Sixth Grade Mathematics Table of Specifications

Fifth Grade Mathematics Table of Specifications → Fifth Grade Partnership State Summative Assessment

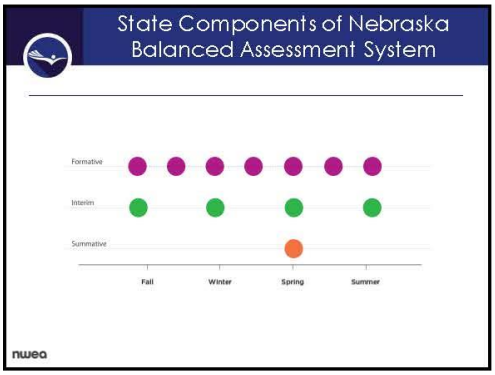
Sixth Grade Mathematics Table of Specifications → Sixth Grade Partnership Nebraska State Summative Assessment

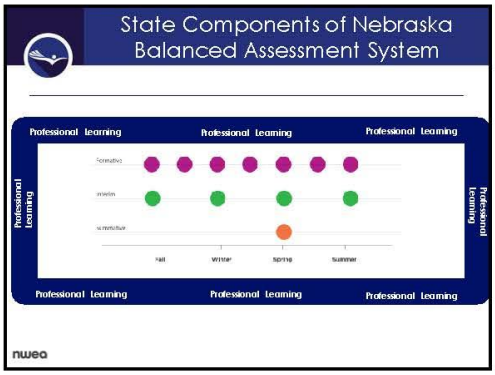

Interim
Summative Assessments
Curriculum
Instruction
Formative Assessment
Reteaching
Learning Statements
Tables of Specifications
Standards


Summative Assessment Legacy Tests
NeSA
• Items that met the blueprint
• Enough easy, medium, hard to discriminate learning (P values)
• Match the TOS
• Most standards 2-3 items
• 48-52 Items


Adaptive Assessment
Summative Assessment
Grade 4
Grade 3
Grade 5
Interim Assessment


Meeting Objectives
• Provide attendees with a solid understanding of the state level contributions to the Nebraska balanced assessment system
– Summative, Interim, Formative
– Professional Learning
• Familiarize attendees on the unique features of MAP Growth and Summative
• Familiarize attendees to current and future communication and resources
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State Components of Nebraska Balanced Assessment System
Formative
Interim
Summative
Fall
Winter
Spring
Summer
nwea


State Components of Nebraska Balanced Assessment System
Professional Learning
Professional Learning
Professional Learning
Professional Learning
Professional Learning
Professional Learning
Professional Learning
Professional Learning
nwea

Program Overview



- TestWiz and Navigate Item Bank

MAP® Growth™ (3-8)
- Reading
- Language
- Science
- Mathematics

Grades 3-8
- English Language Arts
- Mathematics

Grades 5 and 8
- Science

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Communication Overview

- NDE-District-NWEA Partnership Update
- NE and NWEA Assessment Portal
  - https://community.nwea.org/community/nebraska
- MAP Growth Partner Communications
- Incident Reports/Communication
  - Incident notification message directing you the status page
  - http://status.nwea.org/

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MAP® Growth™ (3-8)
- Reading
- Language
- Science
- Mathematics

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MAP Growth Name Changes

- MAP is now **MAP Growth™**
  - Measure growth, inform instruction and assess strategy with a RIT score (subject and instructional areas)
- From Survey to **Screening** (grades 2-5+)
  - Quickly place students with a RIT score (subject-level only)
- End of Course replaced by **Growth** tests
  - Growth tests for Algebra 1 or 2, Geometry and Integrated Mathematics

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MAP Growth Overview

- Grades 3-8 in Reading, Mathematics, Language, Science
- Fall, Winter, Spring, and Summer

Time Category	Default Test Window Dates	NWEA Recommendation
Fall test window/timing	August 15 – November 30	Beginning of academic year (weeks 3–6)
Winter test window timing	December 1 – February 28	Middle of academic year (weeks 19–21)
Spring test window timing	March 1 – June 15	End of academic year (weeks 31–33)

MAP Growth: Available Test Versions

Growth:	Screening:
Math 2-5 NE 2015	Math 2-5 NE 2015
Math 6+ NE 2015	Math 6+ NE 2015
Reading 2-5 NE 2014	Reading 2-5 NE 2014
Reading 6+ NE 2014	Reading 6+ NE 2014
Language 2-12 NE 2014	Language 2-12 NE 2014
Science 3-5 NE 2010	Science 3-5 NE 2010
Science 6+ NE 2010	Science 6+ NE 2010
Algebra 1 NWEA 2017	Algebra 1 NWEA 2017
Algebra 2 NWEA 2017	Algebra 2 NWEA 2017
Geometry NWEA 2017	Geometry NWEA 2017
Integrated Mathematics 1 and 2 NWEA 2017	Integrated Mathematics 1 and 2 NWEA 2017
Integrated Mathematics 3 NWEA 2017	Integrated Mathematics 3 NWEA 2017

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MAP Growth Accessible Test

- Screen Reader and Refreshable Braille
- Compatible with JAWS
- Designed for visually impaired students
- **Nebraska version now available**
- Contact your NWEA Account Manager for access

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New Features: Text-to-Speech

- Embedded read aloud accommodation
  - Functionality is enabled by proctor
- A student can play, stop and pause the audio
- This is a common read aloud accommodation for a sighted student
- Coming January 2018



Student Engagement

- Released July 2017
  - Ability to track rapid-guessing behavior from students and hold the difficulty level of upcoming questions when this behavior is exhibited

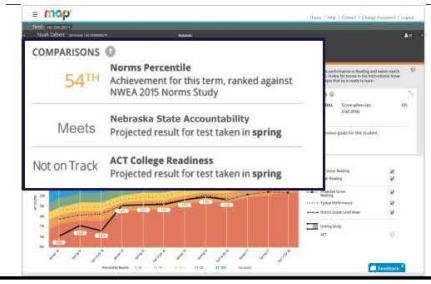


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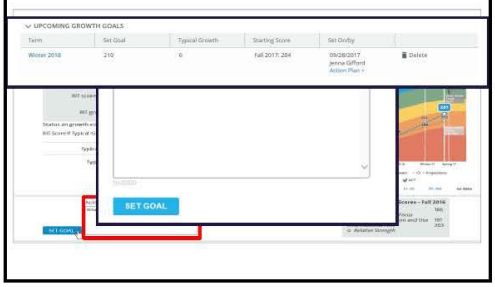
Student Profile Report



Student Profile Report



Student Profile Report



Parent Guidance

- Parent resources — PDF and Word documents you can share, including Spanish and other languages
- Parent communication blog — Advice from your educator community
- Parent Toolkit — Public site with videos
- Teacher Toolkit
  - RIT Reference Charts
  - College Explorer
  - Khan Academy

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MAP Growth Student Transfer

- District to district transfer process (**NEW** for NE)
  - Guidelines/directions and FAQ have been developed and are posted on the NE Assessment Portal

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Grades 3-8

- English Language Arts
- Mathematics

Grades 5 and 8

- Science

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Summative Assessment Overview

- English Language Arts and Mathematics (College and Career Ready Standards)- Grades 3-8
- Science (Legacy Standards) - Grades 5 and 8
- Test Window: **Mar 19 – April 27**
  - **Make up window April 30 – May 4**
- Modes of Delivery: Online and Paper/Pencil

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Summative – Paper Administration

- Paper tests are available in English, Spanish, Braille, and Large Print
- **New NDE Policy**: Districts are **only** allowed to order Paper materials for students, under the following conditions:
  - Medical condition that does not allow the use of computer screens
  - Braille/Large Print
  - Location does not allow internet access
  - Written translations of languages other than Spanish
  - Cultural considerations
  - Available for students who need side-by-side English and Spanish tests for M/S only

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Summative – Paper Administration: Ordering Materials

- Training video and instructions for ordering: **mid November**
- **Ordering Window: Nov 27 – Dec 8**
- System Administrator order Paper materials
  - Designate **one** person within the District as the System Administrator to avoid duplicate orders
- Tasks to complete
  - All district must order materials or indicate that materials are not needed
  - Enter number of books needed for Braille, Large Print, English, an/and Spanish
  - No need to include an overage

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Summative – Paper Administration: Ordering Materials

- To receive pre-ID answer sheets, identify individual students participating in the paper assessment by **January 31**
- Paper/Pencil Practice Tests available by **February 16**
- Test materials from initial order delivered to districts **March 1-2**

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Testing Time and Scheduling Recommendations

Grade level	Content Area	Approximate number of test questions	*Estimated* test taking time
3-8	Mathematics	48	90 minutes
3-8	English Language Arts	48	90 minutes
5 and 8	Science	50 – 60	60 minutes

- Districts/Schools have flexibility in scheduling test sessions
- Recommendation: two to four sessions per content area
  - For example, given the 90-minute estimated test taking time, Districts/Schools can schedule two 45-minute sessions –OR– three 30-minute sessions

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Testing Time and Scheduling - Recommendations and Considerations

- Estimated test taking time does not include:
  - Test ticket distribution
  - Starting the test session
  - Launching the secure browser
  - Student log in
- Students' tests can only be paused by Proctor
- Student will be automatically logged out of the test after 10 min of inactivity
  - *Note:* Proctor action required for the Student to resume testing

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Summative Assessment Overview

- Technology Requirements
  - Secure browser is **REQUIRED** for all devices
  - A new version released by January 1
  - Documentation to support the installation will be provided
- Online assessments will be *minimally adaptive* in Spring
  - In subsequent years the assessments will be fully adaptive

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Supported Devices

Proctor Station

- Windows 7, 8.0, 8.1, or 10
  - Microsoft Edge or IE 11
- Mac OS X v 10.9 to 10.13
  - Safari 7.0 to 11
- PC, Mac, and Chromebook
  - Firefox 50 or higher
  - Chrome 41 or higher

Student Devices

- Windows 7, 8.0, 8.1, or 10
- Mac OS X v 10.9 to 10.13
- iOS 9 to 11
- Chromebook OS 41 or higher

Notes:

July 2018 – support ends for Windows 8.0, Mac OS X v 10.9 and Safari 7 (Proctor and Student)

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Summative Assessment Management

- MAP Growth users will be familiar with the platform
- MAP Growth users will use the same username and password credentials
- New partners will receive their log in credentials during the implementation and onboarding process with NWEA. District Assessment Contact will receive admin rights to roster all users.
- After logging into the platform, users will see the Summative Testing module

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Summative – Assessment Management



Summative – Assessment Management



Summative Tasks Comprehensive Assessment Platform

- Order Paper/Pencil Test Materials
- Update/add additional Student Roster information
- Update modality for Students taking Paper/Pencil
- Update Accessibility information
- Create Test Sessions
- Print Test Tickets
- Manage Online Test Sessions

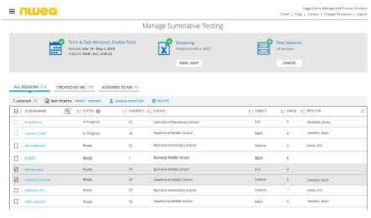
Summative – Rostering

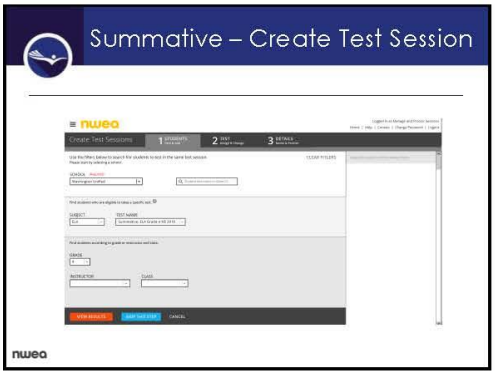
- Districts update Student information in NSSRS **by January 10**
- State Student Roster file uploaded by NDE in **mid-January**
- To receive pre-ID answer sheets, identify individual students participating in the paper assessment **by January 31**
- District roster all Students **beginning in February**
  - Required use of school code and student NSSRS ID
- Roster information will also support MAP Growth for the **Spring term**
- District responsibility to
  - Provide Teacher information (similar to MAP Growth)
  - Identify Students that will be taking Paper/Pencil
  - Identify accessibility needs for individual Students

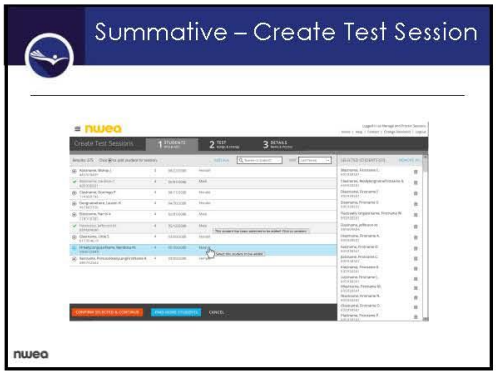
Summative Testing - Roles

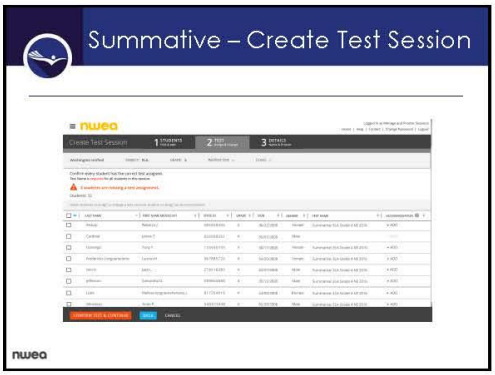
Role	Manage Users	Roster Students	Manage Students	Manage Sessions	Proctor Sessions	Order Paper/Pencil Test Materials
District Assessment Coordinator	x			x		
Data Administrator	x	x	x	x		
District Proctor					x	
School Administrator	x		x	x		
School Assessment Coordinator			x	x		
System Administrator						x
School Proctor					x	

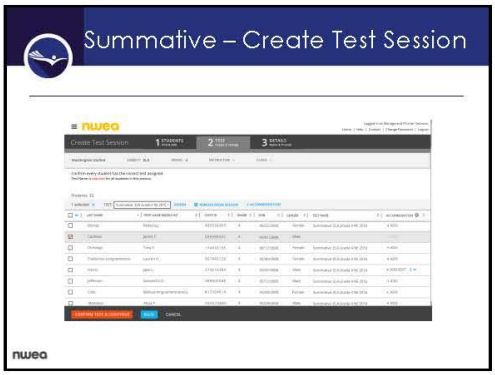
Summative – Test Session Management



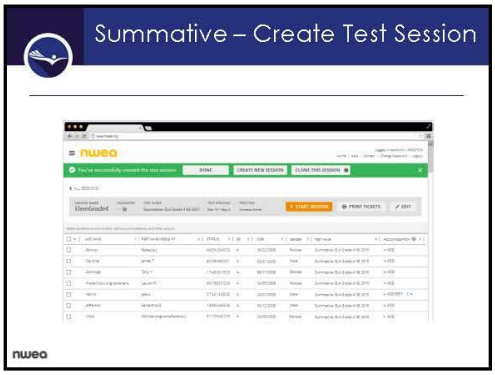

Summative – Create Test Session
nwea


Summative – Create Test Session
nwea


Summative – Create Test Session
nwea


Summative – Create Test Session
nwea


Summative – Create Test Session
nwea


Summative – Create Test Session
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Print Student Test Tickets

- **Two ways:**
  - From Test Sessions
    - Multiple sessions at once, if required
    - Prints tickets for all Students in selected sessions
  - From Proctor Console
    - Print for one or multiple Students at once, if required
- Default: test tickets print 4 to a page
  - Test tickets can be exported

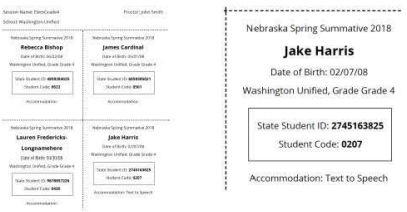
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Print Test Tickets – Proctor



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Test Ticket Example



Nebraska Spring Summative 2018

Jake Harris

Date of Birth: 02/07/08

Washington Unified, Grade Grade 4

State Student ID: **2745163825**
Student Code: **0207**

Accommodation: Text to Speech

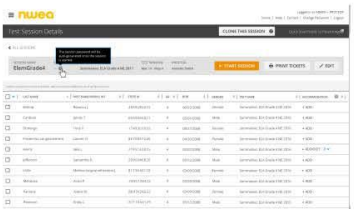
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Proctor Experience

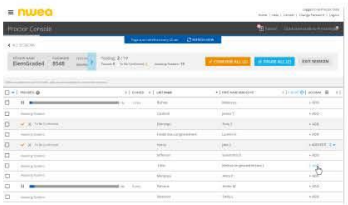
- Rights-managed access to Summative module
- Can view and access Summative test sessions assigned to them
- Can print test tickets
- Can monitor testing progress of an individual Student
- Cannot create test sessions
- Cannot add Students

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Proctor Experience

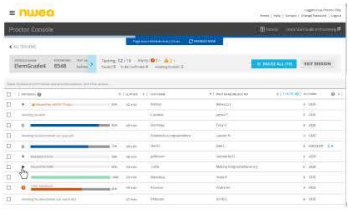


Proctor Experience



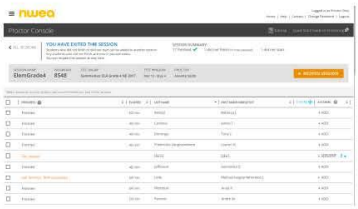
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Proctor Experience



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Proctor Experience



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Student Experience

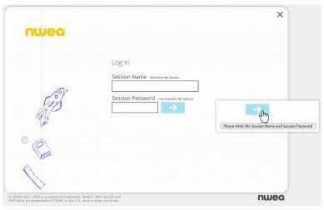
Step 1: Student launches secure browser

Step 2: Student enters session name and session password

Step 3: Student enters student ID and student code from test ticket

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Student Experience - Login



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Student Experience - Login



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Student Experience - Login

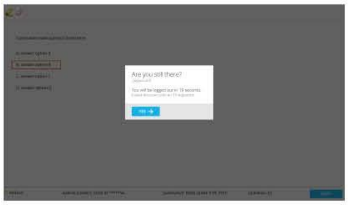


Student Experience – Start Test



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Student Experience – Inactivity Timeout



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Student Experience - Pause



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Student Experience - Pause



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Student Experience – End of Test



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Summative – Student Experience

- Student Tutorials will be available by **February 2018**
- Practice Tests available by **February 2018**
  - Available via weblink
  - Practice Tests will also be available as PDFs for Districts to download and print
  - Large Print and Braille Practice Tests will be shipped based on District orders

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Summative - Accessibility

- The following will be available within the online test platform:

- Digital Notepad
- Highlighter
- Eraser
- Answer eliminator
- Masking
- Zoom/Magnification
- Text to Speech (available for all of Math and Science; ELA – not passages)

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Accessibility

- Updated Language and Approach
  - Most of the supports/accommodations remain the same
  - Consolidate information while maintaining concise summary/tools
  - Draft for one month upon release-feedback
  - Divided into three categories: Universal Features, Linguistic Supports, and Accommodations

Accessibility Significant Changes

- Limitation on Paper/Pencil
  - Student is tested in a facility that does not allow/have internet access
  - Need for a Braille or large print version
  - Student has a medical condition that does not allow the use of computer screens
  - Written translations of languages other than Spanish (M/S)
  - Cultural considerations
  - Available for students who need side-by-side English and Spanish tests for M/S only.

Accessibility Significant Changes

- Text to Speech
  - Student who need text read aloud must use the embedded Text to Speech
- End of mixed testing for Alternate
  - Either General or Alternate
  - Need to be consistent across content areas
- Change in Federal Rule for Alternate
  - Justification from districts by Dec. 8

Accessibility Significant Changes

- Recently Arrived English Learner
  - Year 1: Students participate in all content area tests-Does not count for Accountability
  - Year 2: Students participate in all content area tests-Included in Accountability for Growth calculations only
  - Year 3: Students participate in all content area tests-Full inclusion in Accountability

Preparing for Summative Assessment

- Identify Students that will need a Paper assessment
- Identify System Administrator that will order Paper materials
  - Ensure System Administrator has access to Online Training for Paper ordering
- Review technical requirements for Summative Testing
- Review NDE guidelines for accessibility and identify individual students in need of specific accommodations
- Consider structure for Test Sessions
- Review NDE Test Security Manual

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Summative Assessment – Important Dates

- **Mid November:** Paper/Pencil Initial Ordering Training
- **November 27 – Dec 8:** District initial order of Paper/Pencil Test Materials
- **January 31:** Identify individual students participating in the paper assessment
- **Early February:** Electronic Test Administrator Manuals are posted and available for Districts
- **February – April:** District roster all Students (including accommodations) and complete student management activities
- **February 5 – 12:** DAC Assessment Workshops
- **February:** Student Tutorials and Practice Tests available

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Summative Assessment – Important Dates

- **March 1 – 2:** Paper/pencil test materials delivered to districts from initial orders
- **March 5 – April 24:** Districts place additional orders for paper/pencil materials
- **March 19 – April 27:** Test administration window
- **April 30 – May 4:** Make up window
- **May 9:** *(no later than date)* Districts return Paper/Pencil Test Materials
- **September:** Score Reports available for Districts

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Formative

TestWiz™ and the Navigate Item Bank™

Overview

- Introduction to TestWiz & Navigate
- Check4Learning Item Bank
- Available Services
- Questions

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CERTICA

TestWiz Workflows

- Creating tests using an item bank
  - Navigate Item Bank™
  - Check4Learning (C4L) Item Bank
- Administering Tests Online or Paper-and-Pencil (answer sheets)
- Create Reports to view test results

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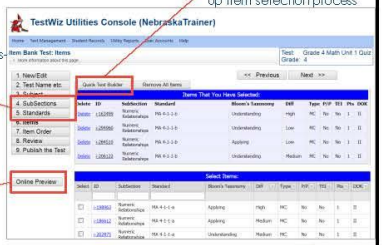
CERTICA

Create Assessments

Quick Test Builder speeds up item selection process

Simple, standards-driven item selection

Preview Online Test



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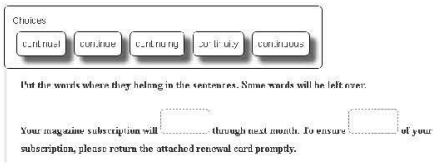
Navigate Item Bank

- All available items aligned to NE Standards (4 subjects)
- Grades 3 – 8 covered by NDE Program
- Item Types:
  - Multiple Choice
  - Constructed Response and Mode-Specific Writing Prompts
  - Technology Enhanced Items (TEIs)

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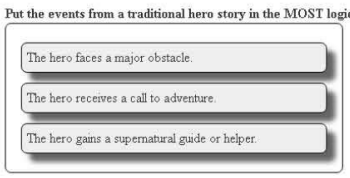
Gap Match Item



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Ordered Item



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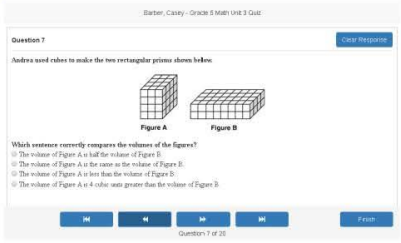
Check4Learning Item Bank

- Create tests with Navigate and C4L items
- Capability to author C4L items will be available late 2017
- NDE and Certica are working to determine the best way to support the C4L bank going forward

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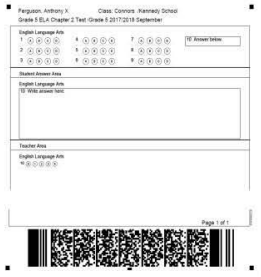
Online Testing Experience



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Paper-and-Pencil Testing Experience



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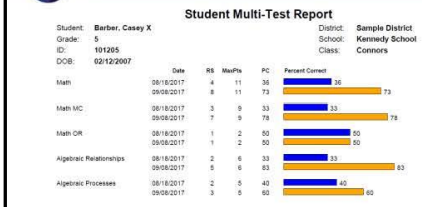
CERTICA

Reporting Test Results

- Data is aggregated in groups by: student, class, school or district
- Parameters enable report customization
- Many report types including:
  - Standards based reports
  - Longitudinal reports
  - Item Analysis reports
- Preview on the screen or save as a PDF

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Sample Report



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Sample Report



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Available Services

- AutoRoster Set-up:
  - Automates the process of loading student rosters into TestWiz
  - Runs nightly and keeps your rosters up-to-date within 24 hours of your SIS
  - One time set-up
- Bulk user account creation
  - User accounts created in bulk from a spreadsheet upon request

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Training

- Power User Webinars – DACs/ESUs
- Self-Paced Training Videos – All district users
- Coming soon: Creating Tests using C4L Items (webinar and video)

INTRODUCTION AND ADMINISTRATIVE TASKS	TEST CREATION USING NAVIGATE ITEM BANK
October 3, 2017; 2:00 p.m. CDT	October 11, 2017; 2:00 p.m. CDT
November 1, 2017; 2:00 p.m. CDT	November 7, 2017; 2:00 p.m. CDT
TEST ADMINISTRATION	**REPORTING**
October 17, 2017; 10:00 a.m. CDT	October 5, 2017; 10:00 a.m. CDT October 19, 2017; 2:00 p.m. CDT
November 16, 2017; 2:00 p.m. CDT	November 28, 2017; 2:00 p.m. CDT

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Next Steps

- Access to TestWiz:
  - DACs and ESUs already have access.
  - For first time login, click the "Forgot my password" link and set up a password. You will be prompted for your email address.
    - NE.TestWiz.Net
  - Others should contact their DAC for access.
- Ongoing Support at Certica
  - Call: 877.456.8949
  - Email: TestWiz@CerticaSolutions.com

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Professional Learning



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Professional Learning

- Designed to support formative, MAP Growth, and Summative
- Built upon existing partnerships with ESUCC and Nebraska School Districts
- Vision to extend capacity throughout Nebraska by increasing the number of certified facilitators

Professional Learning – Certified Facilitators

- There are currently 50 certified facilitators
  - They are trained in the MAP foundational series:
    - Applying Reports
    - Informing Instruction
    - Focusing on Growth
  - They provide this training to districts in NE

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Professional Learning – Certified Facilitators

- An additional 15 certified facilitators are being added in the 17-18 school year
  - They were identified by NDE in Fall.
  - NWEA PL team members will trained CF in
    - Applying Reports
    - Informing Instruction

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New Certified Facilitator Trainings

65 Nebraska certified facilitators

- Applying Reports
- Informing Instruction
- NEW Assessment Literacy for Teachers
- NEW Building Your Formative Assessment Practice

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Assessment Literacy for Teachers

- How does a balanced assessment system support student learning?
- Which assessment tools and practices are most helpful for instruction?
- How can good assessment practice enhance a classroom culture of learning?

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Building Your Formative Assessment Practice

- Clarifying and sharing high-quality learning targets
- Eliciting evidence of learning on an ongoing basis
- Providing effective, learning-focused feedback
- Activating students as owners of their learning and resources for one another

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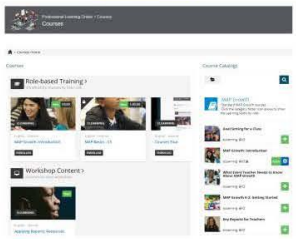
Timeline for Professional Learning



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Professional Learning Online Courses

www.nwea.org



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Help Desk

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Directing Questions

- Policy questions
  - NDE
- System, platform, technology questions
  - Help desk (TestWiz and NWEA)

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Help Desk

- For inquires or support for MAP Growth or Summative:
  - Email: NWEANebraska@nwea.org
  - Phone: (855) 225-9926
    - 7:00 a.m. – 5:00 p.m. Central Time (CT), Monday – Friday
- For inquires or support for TestWiz or the Navigate Item Bank:
  - TestWiz@CerticaSolutions.com
  - (877) 456-8949

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Summative Test Administration Workshop

NEBRASKA DEPARTMENT OF EDUCATION

NSCAS NEBRASKA STUDENT-CENTERED ASSESSMENT SYSTEM

Summative Assessment Test Administration Workshop

February 2018

Welcome

- Valorie Foy, Director of Assessment, NDE
- Jeremy Heneger, Assistant Director of Assessment, NDE
- Rhonda True, Enhanced Assessment Grant Coordinator, NDE
- Terri Ough, NAEP Coordinator, NDE
- Tyrina Webster, Administrative Assistance
- Dacia Hopfensperger, Sr. Program Manager, NWEA
- Rock Sharma, Sr. Technical Consultant, NWEA




Agenda

- NSCAS Summative Assessment Overview
- Technology Readiness
- Summative Assessment Management
- Student Experience
- Resources
- Communication & Help Desk
- Questions & Answers

Summative Assessment Overview

State Components of NSCAS



- TestWiz and Navigate Item Bank
- OpenEd, ACT Online Prep, Practice Tests (11)
- Local

- MAP® Growth™ (3-8)
  - Reading
  - Language
  - Science
  - Mathematics
- OpenEd, ACT Online Prep, Practice Tests (11)
- Local

- NSCAS Summative
- NSCAS Alternate
- ACT

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NSCAS Summative Assessment Overview

Subjects and Grades

- English Language Arts and Mathematics (College and Career Ready Standards)- Grades 3 –8
- Science (Legacy Standards) - Grades 5 and 8

Test Window

- March 19 – April 27
- Make Up Window April 30 – May 4

Modes of Delivery: Online and Paper/Pencil

- Online assessments will be minimally adaptive in Spring
- In subsequent years the assessments will be fully adaptive

Resource: *NSCAS Summative Paper/Pencil Tips and Task Sheet*
Location: http://cdn.nwea.org/docs/NSCAS-paperpencilchecksheet_2.15.18.pdf

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1

Testing Time and Scheduling Recommendations

Grade Level	Content Area	Approximate number of test questions	*Estimated* test taking time
3-8	Mathematics	48	90 minutes
3-8	English Language Arts	48	90 minutes
5 and 8	Science	50 – 60	60 minutes

- Districts/Schools have flexibility in scheduling test sessions
  - Testing times are M-F, 6:00am to 7:00pm CT
- Recommendation: two to four sittings per content area
  - For example, given the 90-minute estimated test taking time, Districts/Schools can schedule two 45-minute sittings –OR– three 30-minute sittings

Resource: *Schedule Guidance for the Spring Summative Assessment*
Location: https://cdn.nwea.org/docs/NJ/Scheduler-Guidance-for-the-Spring-Summative_2.15.18.pdf

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Testing Time and Scheduling - Recommendations and Considerations

- Estimated test taking time does not include:
  - Test ticket distribution
  - Starting the test session
  - Launching the secure browser
  - Student log in
- Students' tests can only be paused by Proctor
- Student will be automatically logged out of the test after 10 min of inactivity
  - Note: Proctor action required for the Student to resume testing

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Technology Readiness

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Technology Readiness

- System Requirements
  - Secure browser or app is **REQUIRED** for all devices

Browser/ App	Current Version	Release Date
Mac Lock Down Browser	4.0.0.2	Tuesday, February 20
PC Lock Down Browser	5.4.97.0	Tuesday, February 20
Chromebook App	3.0.1	Tuesday, February 20
iPad App	3.1	Tuesday, February 20

Resource: *System and Technology – Summative Guide*
Location: https://teach.mapnwea.org/impl/cap/SystemTechnologySummative.pdf

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Supported Devices

Proctor Station

- Windows 7, 8.0, 8.1, or 10
  - Chrome 41 or higher
  - Firefox 50 or higher
  - Microsoft Edge or IE 11
- Mac OS X v 10.9 to 10.13
  - Safari 7.0 to 11
- Mac and Chromebook
  - Chrome 41 or higher
  - Firefox 50 or higher

Student Devices

- Windows 7, 8.0, 8.1, or 10
- Mac OS X v 10.9 to 10.13
- iOS 9 to 11
- Chromebook OS 41 or higher

Notes:

July 2018 – support ends for Windows 8.0, Mac OS X v 10.9 and Safari 7 (Proctor and Student)

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Technology Readiness

- *System and Technology – Summative Guide*
  - Add to your White lists
  - Exclude from caching
  - Prioritize the traffic
- Diagnostic Tool
  - Anticipated release week of Feb 19th

Resource: *System and Technology – Summative Guide*
Location: https://teach.mapnwea.org/impl/cap/SystemTechnologySummative.pdf

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Communication Overview

- NDE-District-NWEA Partnership Update
- Assessment Portal
  - https://community.nwea.org/community/nebraska
- Incident Reports/Communication
  - Incident notification message directing you the status page
  - http://status.nwea.org/

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Help Desk

- Policy questions: Contact NDE
  - Phone: 402-471-2495
  - Email: nde.stateassessment@nebraska.gov
- Summative or MAP Growth inquires or support: Contact NWEA
  - Phone: (855) 225-9926
  - Email: NWEANebraska@nwea.org
  - 7:00 a.m. – 5:00 p.m. Central Time (CT), Monday – Friday

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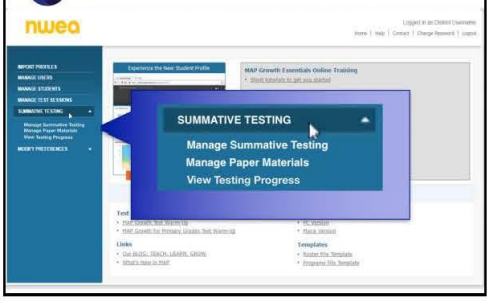
Summative Assessment Management

Summative Assessment Management

- MAP Growth users will be familiar with the platform
- MAP Growth users will use the same username and password credentials
- New partners will receive their log in credentials during the implementation and onboarding process with NWEA. District Assessment Contact will receive admin rights to roster all users.
- After logging into the platform, users will see the Summative Testing module

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Summative – Assessment Management



Summative Tasks Comprehensive Assessment Platform

- Manage User Accounts
- Update/add additional Student Roster information
- Create Test Sessions
- Update Accessibility information
- Print Test Tickets
- Manage Online Test Sessions
- Monitor Student Progress
- Data Clean Up

Resource: *Assessment Coordination Guide - Summative*
Location: https://teach.mapnwea.org/impl/cap/AssessmentCoordGuideSump.pdf

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Summative Testing - Roles

Role	Manage Users	Roster Students	Manage Students	Manage Sessions	Proctor Sessions
District Assessment Coordinator	X			X	
Data Administrator	X	X	X	X	
District Proctor			X		X
School Assessment Coordinator			X	X	
School Proctor					X

Resource: *Student/Staff Management Guide-Summative*
Location: https://teach.mapnwea.org/impl/Cap/StudentStaffManagementGuideSum.pdf

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Summative – Rostering

Students must be rostered to the **Spring 2017-18 term** with the following **required fields** populated:

- First Name
- Last Name
- Date of Birth
- Student ID
- State Student ID
- Gender
- Grade
- Ethnic Group Name
- School Name
- School Code
- Teacher Information

After adding the student, you ***must wait for overnight processing*** before the student is available for testing.

nwea Roster information will also support MAP Growth for the **Spring term**

Accommodations

Students with disabilities may be included in state assessment and accountability in the following ways:

- Students may be tested on the NSCAS Summative assessments without accommodations.
- Students may be tested on the NSCAS Summative assessments with approved accommodations specified in the student's IEP. Accommodations provided to students must be specified in the student's IEP and used during instruction throughout the year. Accommodations may require paper/pencil testing.

Resource: *NSCAS Summative & Alternate Accessibility Manual*
Location: https://www.education.ne.gov/assessment

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Accessibility

Universal Tools

- Scratch paper (lined or blank scratch paper or blank graph paper)

- Grades 4 – 8 Math Reference Sheets: ***Must*** be printed, from the NDE & NWEA State Portal, prior to students testing online.
- Embedded resources
  - Highlighter
  - Eraser
  - Line Guide
  - Answer Eliminator
  - Notepad
  - Zoom

Accessibility

- **Linguistic Supports**
  - Text to Speech
  - Online Spanish Test
  - Paper Pencil in Spanish
  - Additional non-embedded supports
- **Accommodations**
  - Text to Speech
  - Additional non-embedded supports

Text to Speech

- When enabled Text to Speech will display in the toolbar
- Students must click on an icon for each item
- All text will be read aloud in Math and Science. On ELA, passages will not be read.



Resource: *Text to Speech Instructions*
Location: https://cdn.nwea.org/docs/NE/TextToSpeechInstructions_FINAL_2.9.18.pdf

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Accessibility in CAP

Non embedded Universal Tools
- ❑ Setting

Non embedded Linguistic Supports
- ❑ Bilingual dictionary
- ❑ Native language translation

Embedded Linguistic Support/ Accommodation
- ❑ Text to Speech

Non embedded Accommodations
- ❑ Computation supports
- ❑ Assistive Technology
- ❑ Specialized presentation of test
- ❑ Scribe

Non-Tested Codes

Code	Description	Explanation of Use
ALT	Alternate Assessment	Student participated in the alternate assessment.
EMW	Emergency Medical Waiver	Student was not tested because of an approved Emergency Medical Waiver.
NLE	No Longer Enrolled	Student was not tested because of relocation from district/school after data submission but prior to testing.
PAR	Parental Refusal	Student was not tested because of a written request from parent or guardian.
PPA	Paper-Pencil Administration	Student was administered a paper/pencil test and will not generate an online test score.
SAE	Student Absent for the Entire Testing Window	Student was not tested because student was absent from school from the beginning of testing till the end of testing.
UTT	District Unable to Test Student	District was unable to test the student during the testing window and none of the other not-tested codes is applicable.

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Test Session Management

- Creating a Test Session
- Editing/Modifying Session
- Assigning Accommodations and Non-Tested Codes
- Printing Test Tickets
- Starting a Test Session
- Ending a Test Session

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Roles for Testing Students

	District Assessment Coordinator	School Assessment Coordinator	District Proctor	School Proctor
Create Test Sessions	x	x		
Assign Accommodations	x	x		
Add or Remove Students from Test Sessions	x	x		
View and Access Summative Test Sessions Assigned to Them	x	x	x	x
Print Test Tickets	x	x	x	x
Monitor Individual Students in a Test Session	x	x	x	x

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Test Session Management Demonstration

Print Student Test Tickets

- Two ways:
  - From Test Sessions
    - Multiple sessions at once, if required
    - Prints tickets for all students in selected sessions
  - From Proctor Console
    - Print for one or multiple Students at once, if required
- Default: test tickets print 4 to a page
  - Test tickets can also be exported

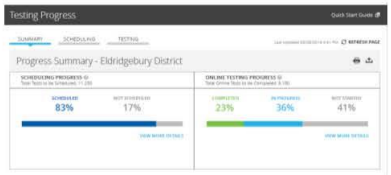
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Student Test Tickets



Testing Progress



Resource: *Assessment Coordination - Summative*
Location: https://teachmapnwea.org/impl/cap/AssessmentCoordGuideSum.pdf

Student Mobility

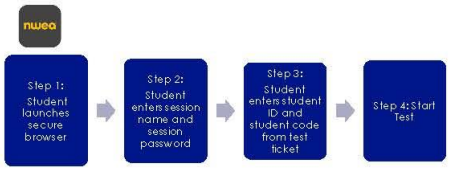
- Within District Transfers
  - Original school removes the student from sessions for any tests that are not complete.
  - Student roster information needs to be updated to new school
  - New school needs to add student to sessions for any tests that are not complete

Student Mobility

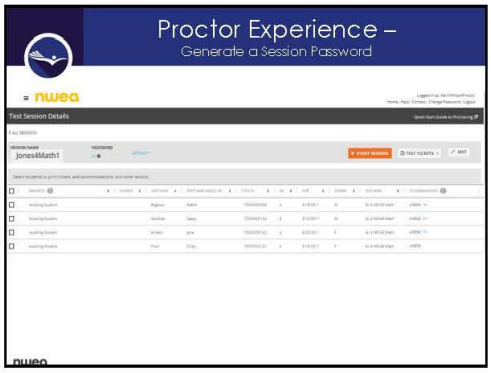
- Between District Transfers
  - Original school needs to apply Non-Tested Code of NLE for any tests the student did not complete
  - New district/school needs to roster student to their new district/school using standard rostering process.
  - New district/school needs to add student to sessions for all content areas
  - New district/school needs to apply Non-Tested Code of NLE for any tests the student completed in their original district.

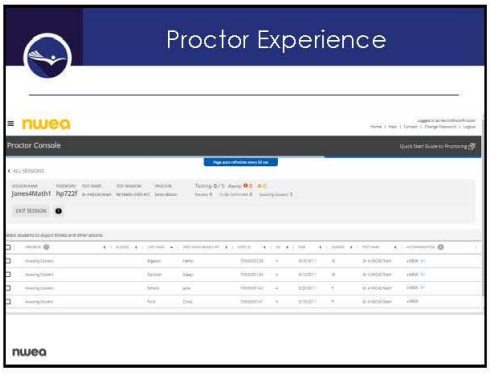
Proctor/Student Experience

Proctor / Student Experience - Login



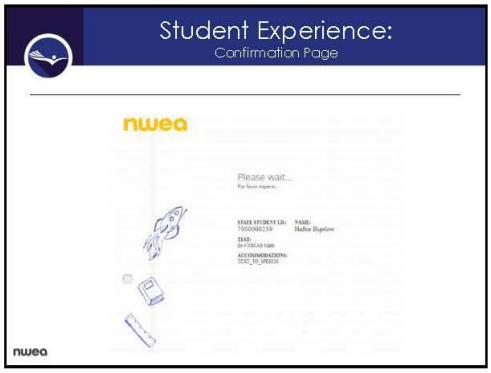
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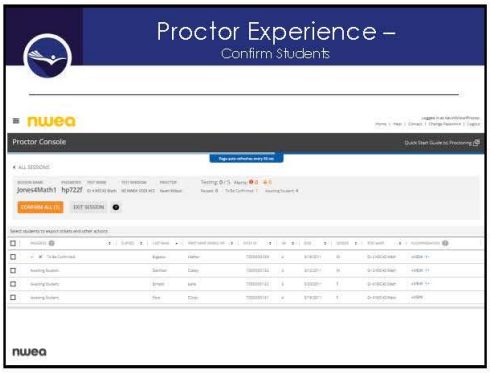

Proctor Experience –
Generate a Session Password
nwea
Test Session Details
Jones4Math1
nwea


Proctor Experience
nwea
Proctor Console
Jones4Math1
hp722f
EXIT SESSION
nwea


Student Experience:
Session Name & Password
nwea
Log in
Session Name
Jones4Math1
Session Password
hp722f
Try the Warm-up
nwea


Student Experience:
State Student ID & Student Code
nwea
Log in
State Student I.D.
7000000239
Student Code
0318
nwea


Student Experience:
Confirmation Page
nwea
Please wait...
nwea

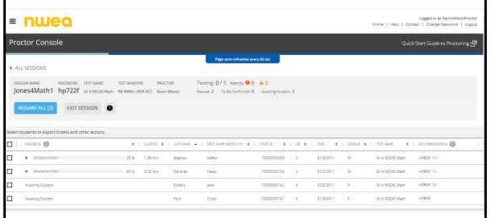

Proctor Experience –
Confirm Students
nwea
Proctor Console
Jones4Math1
hp722f
CONFIRM ALL (1)
EXIT SESSION
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Student Experience: Ready to Test



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Proctor Experience Testing Progress



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Student Experience - Pause



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Student Experience - Pause



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Student Experience: Inactivity Timeout



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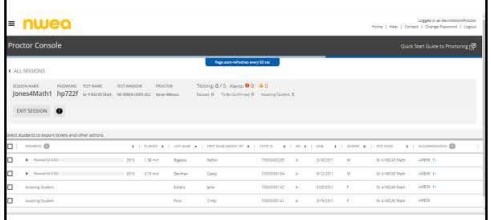
Student Experience – End of Test



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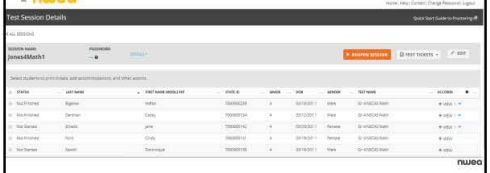
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Proctor Experience – Exit Session



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Proctor Experience



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Summative – Student Tutorials

- Available for students to learn how to use the online test platform.
  - How to use the online tools
  - How to navigate through the test
  - How to respond to different item types
  - Test-Taking Tips

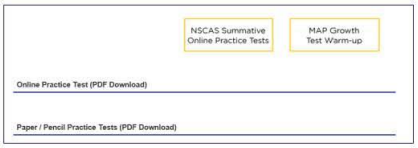
Resource: *Student Tutorial*
Location: https://teach.mapnwea.org/impl/captraining/StudentTutorialNE/index.html

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Summative – Practice Tests



Username: ne
Password: Practice



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Preparing for Summative Assessment

- Review technical requirements for Summative Testing
- Download Latest Secure Browsers – confirm version numbers
- Run NWEA Diagnostic Tool on devices used for testing
- Review NDE guidelines for accessibility and identify individual students in need of specific accommodations
- Consider structure for Test Sessions
- Review NDE Test Security Manual

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Suggestions for a Smooth Testing Experience

- Enable audio on devices used for TTS
- Create sessions in advance
- Ensure all students are included in test sessions and accessibility feature enabled, as need
- Validate school proctors rights have been assigned
- Proctor station will refresh every 60 seconds. Communicate this functionality with proctors
- Use the student testing progress dashboard to monitor testing progress throughout the test window

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9

User Feedback

- **User surveys**
  - Survey link will be send via NDE-District-NWEA Communication to DACs
  - Forward to others in your district
- **Interviews**
  - Google doc will be sent via NDE-District-NWEA Communication to recruit interested proctor, district and school assessment coordinators
  - 60 minute 1:1 virtual interviews
- **Focus Groups**
  - Held at numerous meetings over the summer (i.e. content workshops, ALD workshops, Administrator Days)

Summative Assessment – Important Dates

- **February 2:** Districts roster all Students
- **February 26:** Districts Begin Test Session Management Activities
- **March 1 – 2:** Paper/pencil test materials delivered to districts from initial orders
- **March 5 – April 24:** Districts place additional orders for paper/pencil materials
- **March 19 – April 27:** Test administration window
- **April 30 – May 4:** Make up window
- **May 8:** Last Day for Districts to Enter non-embedded Accommodation Codes, Non-tested Codes
- **May 8:** Last Day for UPS to Pick Up Paper/Pencil Materials
- **September – October:** Score Reports Available

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Summative Assessment – Resources

- **Summative Help Center**
  https://teach.mapnwea.org/impl/caphelp/Content/SummativeHelpCenter.htm
  - Assessment Coordination Guide: electronic only
  - Proctor Guide: electronic only
  - System and Technology Guide : electronic only
  - Students/Staff Management: electronic only
- **Assessment Portal**
  https://community.nwea.org/community/nebraska
  - Practice Test Manual: electronic only
  - Test Administration Manual for Online Test (English version): electronic only
  - Test Administration Manual for Paper/Pencil Test (English version): electronic and printed copies available
  - Test Administration Manual for Online Test (Spanish version): electronic only
  - Test Administration Manual for Paper/Pencil (Spanish version): electronic and printed copies available
  - Recorded trainings for test session management activities

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Communication & Help Desk

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Communication Overview

- NDE-District-NWEA Partnership Update
- Assessment Portal
  – https://community.nwea.org/community/nebraska
- Incident Reports/Communication
  – Incident notification message directing you the status page
  – http://status.nwea.org/

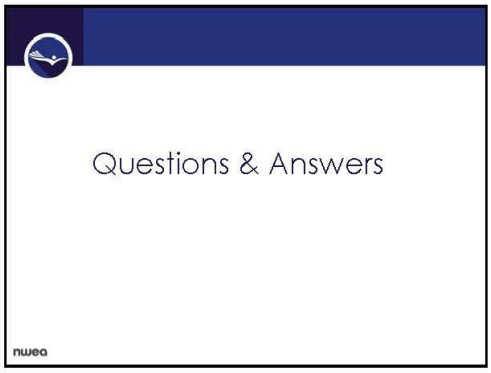
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Help Desk

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- Summative or MAP Growth inquires or support: Contact NWEA
  – Phone: (855) 225-9926
  – Email: NWEANebraska@nwea.org
  – 7:00 a.m. – 5:00 p.m. Central Time (CT), Monday – Friday

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Appendix E: Sample Reports

Figure E.1. Sample Report—ISR, Page 1

NSCAS

INDIVIDUAL STUDENT REPORT 2018

LAST, FIRST M.

ID: 123456789 **DOB:** 09/19/08 **Grade: 5**

District: District Name

School: School Name

What is NSCAS?

The Nebraska Student-Centered Assessment System (NSCAS) Summative assessments are developed specifically for Nebraska to provide educators, students, and guardians with an assessment of student progress on the Nebraska College and Career Ready Standards in English Language Arts and Mathematics and the Nebraska Legacy Standards in Science.

How are achievement levels determined?

Achievement levels are determined with Nebraska educators and approved by the Nebraska State Board of Education.

What is ⊢--◆--⊣?

The (◆) represents your student's scale score. Scale scores allow valid comparisons of performance across time and across students. The (⊢--⊣) represents the uncertainty with which your student's scale score is associated. No test score is expected to be the same over repeated administrations. The standard error of measurement gives a range of scale scores where your student's score might fall if he or she were given the test again.

For More Information:

The Interpretive Guide is available online to aid families, teachers, and administrators in understanding test results. Visit https://community.nwea.org/community/nebraska.

NSCAS Summative Content Area Standards

English Language Arts & Math (Grades 3-8)
Based on the Nebraska College and Career Ready Standards, Achievement levels are Developing, On Track, and College and Career Ready Benchmark (CCR Benchmark).

Science (Grades 5 & 8)
Based on Nebraska Legacy Standards until 2020. Based on the Nebraska College and Career Ready Standards starting in 2021. Achievement levels are Below the Standards, Meets the Standards, and Exceeds the Standards.

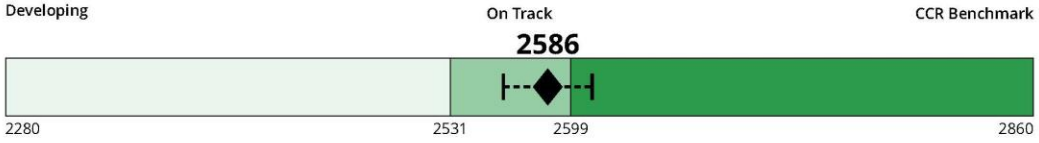
Student Score Comparison

CONTENT AREA	STUDENT	DISTRICT	STATE	SCORE RANGE
English Language Arts	**2586**	2500	2300	2280-2860
Mathematics	**1290**	1300	1200	1020-1510
Science	**100**	150	100	0-200

English Language Arts (ELA) **On Track: 2586**

ELA SCALE SCORE

On Track learners demonstrate proficiency in the knowledge and skills necessary at this grade level, as specified in the assessed Nebraska College and Career Ready Standards. These results provide evidence that the student will likely be ready for academic success at the next grade level.



Reporting Categories	Developing	On Track	CCR Benchmark
Reading Vocabulary			2790
Reading Comprehension			2685
Writing Skills	2411		

1

Figure E.2. Sample Report—ISR, Page 2

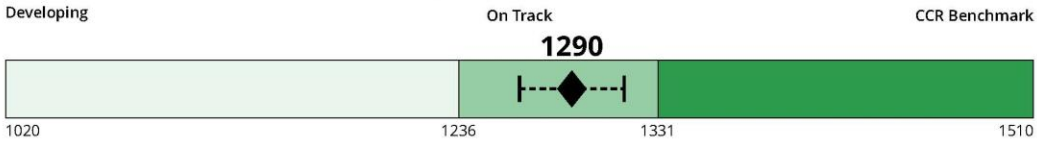
NSCAS

INDIVIDUAL STUDENT REPORT 2018
LAST, FIRST M.
ID: 123456789 **DOB:** 09/19/08 **Grade: 5**
District: District Name
School: School Name

Mathematics **On Track: 1290**

MATHEMATICS SCALE SCORE

On Track learners demonstrate proficiency in the knowledge and skills necessary at this grade level, as specified in the assessed Nebraska College and Career Ready Standards. These results provide evidence that the student will likely be ready for academic success at the next grade level.

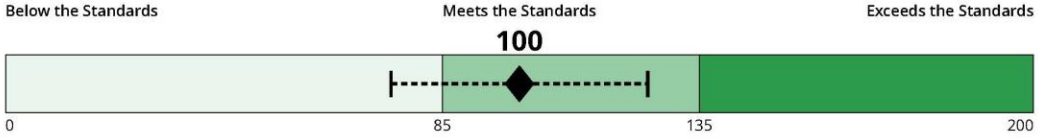


Reporting Categories	Developing	On Track	CCR Benchmark
Number	1180		
Algebra		1308	
Geometry	1075		
Data			1360

Science **Meets the Standards: 100**

SCIENCE SCALE SCORE

Overall student performance in science reflects satisfactory performance on the standards and sufficient understanding of the content at grade level. A student scoring at the Meets the Standards level generally draws on a broad range of scientific knowledge and skills in the areas of inquiry, physical, life, and Earth/space sciences.

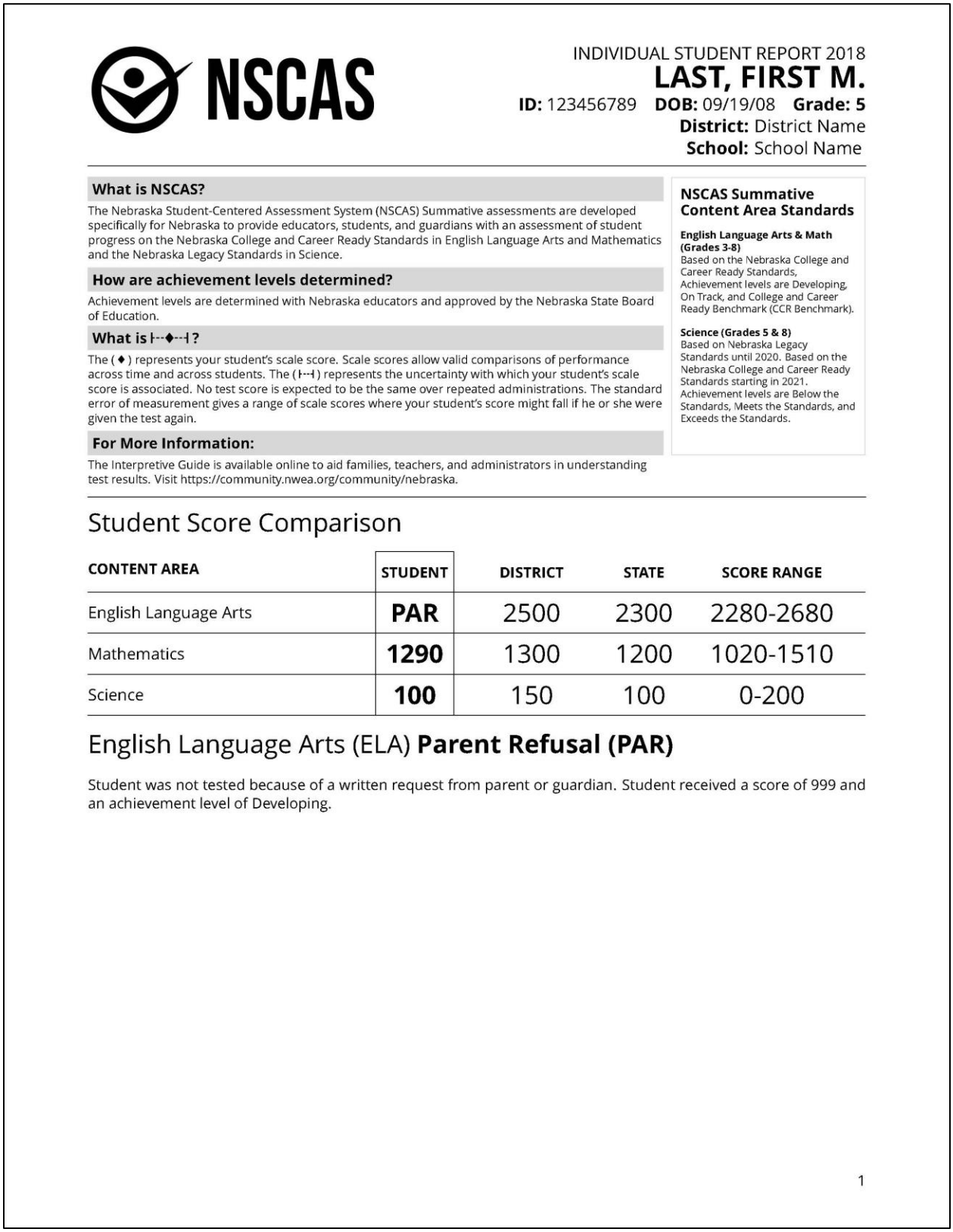


Reporting Categories	Below the Standards	Meets the Standards	Exceeds the Standards
Inquiry, Nature of Science & Tech	54		
Physical Science		124	
Life Science	22		
Earth/Space Sciences* Student did not attempt enough items to receive a score.			

*Not Enough Items Answered (NEI) in the reporting category to receive a score.

2

Figure E.3. Sample Report—ISR with NTC, Page 1



NSCAS

INDIVIDUAL STUDENT REPORT 2018

LAST, FIRST M.

ID: 123456789 **DOB:** 09/19/08 **Grade: 5**

District: District Name

School: School Name

What is NSCAS?

The Nebraska Student-Centered Assessment System (NSCAS) Summative assessments are developed specifically for Nebraska to provide educators, students, and guardians with an assessment of student progress on the Nebraska College and Career Ready Standards in English Language Arts and Mathematics and the Nebraska Legacy Standards in Science.

How are achievement levels determined?

Achievement levels are determined with Nebraska educators and approved by the Nebraska State Board of Education.

What is ⊢┄◆┄⊣?

The (◆) represents your student's scale score. Scale scores allow valid comparisons of performance across time and across students. The (⊢┄⊣) represents the uncertainty with which your student's scale score is associated. No test score is expected to be the same over repeated administrations. The standard error of measurement gives a range of scale scores where your student's score might fall if he or she were given the test again.

For More Information:

The Interpretive Guide is available online to aid families, teachers, and administrators in understanding test results. Visit https://community.nwea.org/community/nebraska.

NSCAS Summative Content Area Standards

English Language Arts & Math (Grades 3-8)
Based on the Nebraska College and Career Ready Standards, Achievement levels are Developing, On Track, and College and Career Ready Benchmark (CCR Benchmark).

Science (Grades 5 & 8)
Based on Nebraska Legacy Standards until 2020. Based on the Nebraska College and Career Ready Standards starting in 2021. Achievement levels are Below the Standards, Meets the Standards, and Exceeds the Standards.

Student Score Comparison

CONTENT AREA	STUDENT	DISTRICT	STATE	SCORE RANGE
English Language Arts	**PAR**	2500	2300	2280-2680
Mathematics	**1290**	1300	1200	1020-1510
Science	**100**	150	100	0-200

English Language Arts (ELA) **Parent Refusal (PAR)**

Student was not tested because of a written request from parent or guardian. Student received a score of 999 and an achievement level of Developing.

1

Figure E.4. Sample Report—ISR with NTC, Page 2

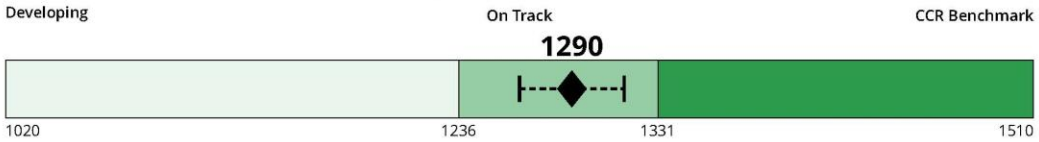
NSCAS

INDIVIDUAL STUDENT REPORT 2018
LAST, FIRST M.
ID: 123456789 **DOB:** 09/19/08 **Grade: 5**
District: District Name
School: School Name

Mathematics **On Track: 1290**

MATHEMATICS SCALE SCORE

On Track learners demonstrate proficiency in the knowledge and skills necessary at this grade level, as specified in the assessed Nebraska College and Career Ready Standards. These results provide evidence that the student will likely be ready for academic success at the next grade level.

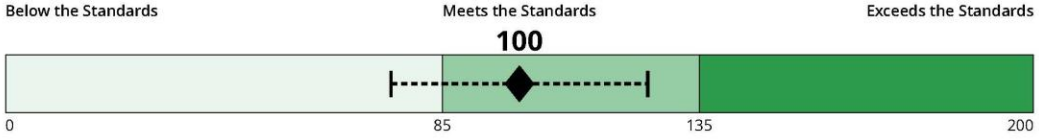


Reporting Categories	Developing	On Track	CCR Benchmark
Number	1180		
Algebra		1308	
Geometry	1075		
Data			1360

Science **Meets the Standards: 100**

SCIENCE SCALE SCORE

Overall student performance in science reflects satisfactory performance on the standards and sufficient understanding of the content at grade level. A student scoring at the Meets the Standards level generally draws on a broad range of scientific knowledge and skills in the areas of inquiry, physical, life, and Earth/space sciences.



Reporting Categories	Below the Standards	Meets the Standards	Exceeds the Standards
Inquiry, Nature of Science & Tech	54		
Physical Science* Student did not attempt enough items to receive a score.			
Life Science	22		
Earth/Space Sciences* Student did not attempt enough items to receive a score.			

*Not Enough Items Answered (NEI) in the reporting category to receive a score.

2

Figure E.5. Sample Report—School Roster, Page 1

NSCAS

SCHOOL ROSTER 2018

SAMPLE ELEMENTARY SCHOOL
District: Sample District Name
Grade: 5

For More Information:
The Interpretive Guide is available online to aid families, teachers, and administrators in understanding test results.
Visit https://community.nwea.org/community/nebraska.

ELA & Mathematics Performance Levels: △ Developing ▢ On Track ● CCR Benchmark

Science Performance Levels: △ Below the Standards ▢ Meets the Standards ● Exceeds the Standards

		ELA			MATHEMATICS			SCIENCE		
NAME	STUDENT ID	Level	Score	SEM	Level	Score	SEM	Level	Score	SEM
Student, Sample A.	999999999	△	1280	15	△	1280	15	△	80	15
Student, Sample A.	999999999	▢	2190	23	▢	2190	23	▢	111	23
Student, Sample A.	999999999	●	2758	8	●	2758	8	●	158	8
Student, Sample A.	999999999	△	1280	15	△	1280	15	△	80	15
Student, Sample A.	999999999		NLE		▢	2190	23	▢	111	23
Student, Sample A.	999999999	●	2758	8	●	2758	8	●	158	8
Student, Sample A.	999999999	△	1280	15	△	1280	15	△	80	15
Student, Sample A.	999999999	▢	2190	23	▢	2190	23	▢	111	23
Student, Sample A.	999999999	●	2758	15	●	2758	15	●	158	15
Student, Sample A.	999999999	△	1280	23	△	1280	23	△	80	23
Student, Sample A.	999999999	▢	2190	8	▢	2190	8	▢	111	8
Student, Sample A.	999999999	●	2758	15	●	2758	15	●	158	15
Student, Sample A.	999999999	△	1280	23	△	1280	23	△	80	23
Student, Sample A.	999999999	▢	2190	8	▢	2190	8	▢	111	8
Student, Sample A.	999999999	●	2758	15	●	2758	15	●	158	15
Student, Sample A.	999999999	●	2758	15	●	2758	15	●	158	15
Student, Sample A.	999999999	△	1280	15	△	1280	15	△	80	15
Student, Sample A.	999999999	▢	2190	23	▢	2190	23	▢	111	23
Student, Sample A.	999999999	●	2758	15	●	2758	15	●	158	15
Student, Sample A.	999999999	△	1280	23	△	1280	23	△	80	23
Student, Sample A.	999999999	▢	2190	8	▢	2190	8	▢	111	8
Student, Sample A.	999999999	●	2758	15	●	2758	15	●	158	15

NON-TESTED CODES | EMW: Emergency Medical Waiver | INV: Invalid | NEI: Not Enough Items | NLE: No Longer Enrolled | PAR: Parental Refusal | SAE: Student Absent Entire Testing Window | UTT: Unable to Test

1

Figure E.6. Sample Report—School Roster, Page 2

NSCAS

SCHOOL ROSTER 2018

SAMPLE ELEMENTARY SCHOOL

District: Sample District Name

Grade: 5

		ELA			MATHEMATICS			SCIENCE		
NAME	STUDENT ID	Level	Score	SEM	Level	Score	SEM	Level	Score	SEM
Student, Sample A.	999999999		1280	23		1280	23		80	23
Student, Sample A.	999999999		2190	8		2190	8		111	8
Student, Sample A.	999999999		2758	15		2758	15		158	15
Student, Sample A.	999999999		2758	15		2758	15		158	15
Student, Sample A.	999999999		2758	15		2758	15		158	15

NON-TESTED CODES | EMW: Emergency Medical Waiver | INV: Invalid | NEI: Not Enough Items | NLE: No Longer Enrolled | PAR: Parental Refusal | SAE: Student Absent Entire Testing Window | UTT: Unable to Test

2

Figure E.7. Sample Report—School Performance Level Summary, Page 1

NSCAS

SCHOOL PERFORMANCE LEVEL SUMMARY 2018
SCHOOL NAME
District: DISTRICT NAME
Grade: 5

What is NSCAS?

The Nebraska Student-Centered Assessment System (NSCAS) Summative assessments are developed specifically for Nebraska to provide educators, students, and guardians with an assessment of student progress on the Nebraska College and Career Ready Standards in English Language Arts and Mathematics and the Nebraska Legacy Standards in Science.

How are achievement levels determined?

Achievement levels are determined with Nebraska educators and approved by the Nebraska State Board of Education.

What is ⊢--♦--⊣?

The (♦) represents your school's scale score. Scale scores allow valid comparisons of performance across time and across schools. The (⊢--⊣) represents the ranges covered by one standard deviation (SD) above the average and one SD below the average. The SD is a measure of the variability of test scores from the average (i.e., how spread out scores are in relation to the average). The middle 68% of students fall within 1 SD of the average.

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NSCAS Summative Content Area Standards

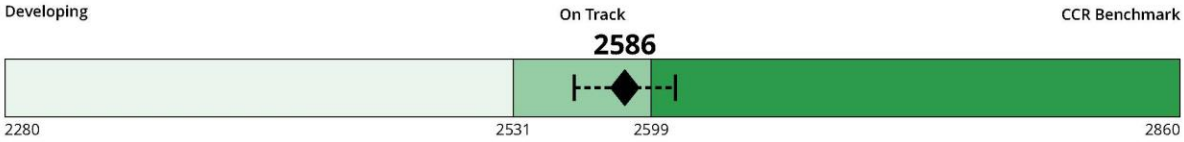
English Language Arts & Math (Grades 3-8)
Based on the Nebraska College and Career Ready Standards, Achievement levels are Developing, On Track, and College and Career Ready Benchmark (CCR Benchmark).

Science (Grades 5 & 8)
Based on Nebraska Legacy Standards until 2020. Based on the Nebraska College and Career Ready Standards starting in 2021. Achievement levels are Below the Standards, Meets the Standards, and Exceeds the Standards.

School Score Comparison

CONTENT AREA	SCHOOL	DISTRICT	STATE	SCORE RANGE
English Language Arts	**2586**	2500	2300	2280-2860
Mathematics	**1290**	1300	1200	1020-1510
Science	**100**	150	100	0-200

English Language Arts Average Scale Score: **2586**



Reporting Categories	Developing	On Track	CCR Benchmark
Reading Vocabulary			2790
Reading Comprehension			2685
Writing Skills	2411		

1

Figure E.8. Sample Report—School Performance Level Summary, Page 2

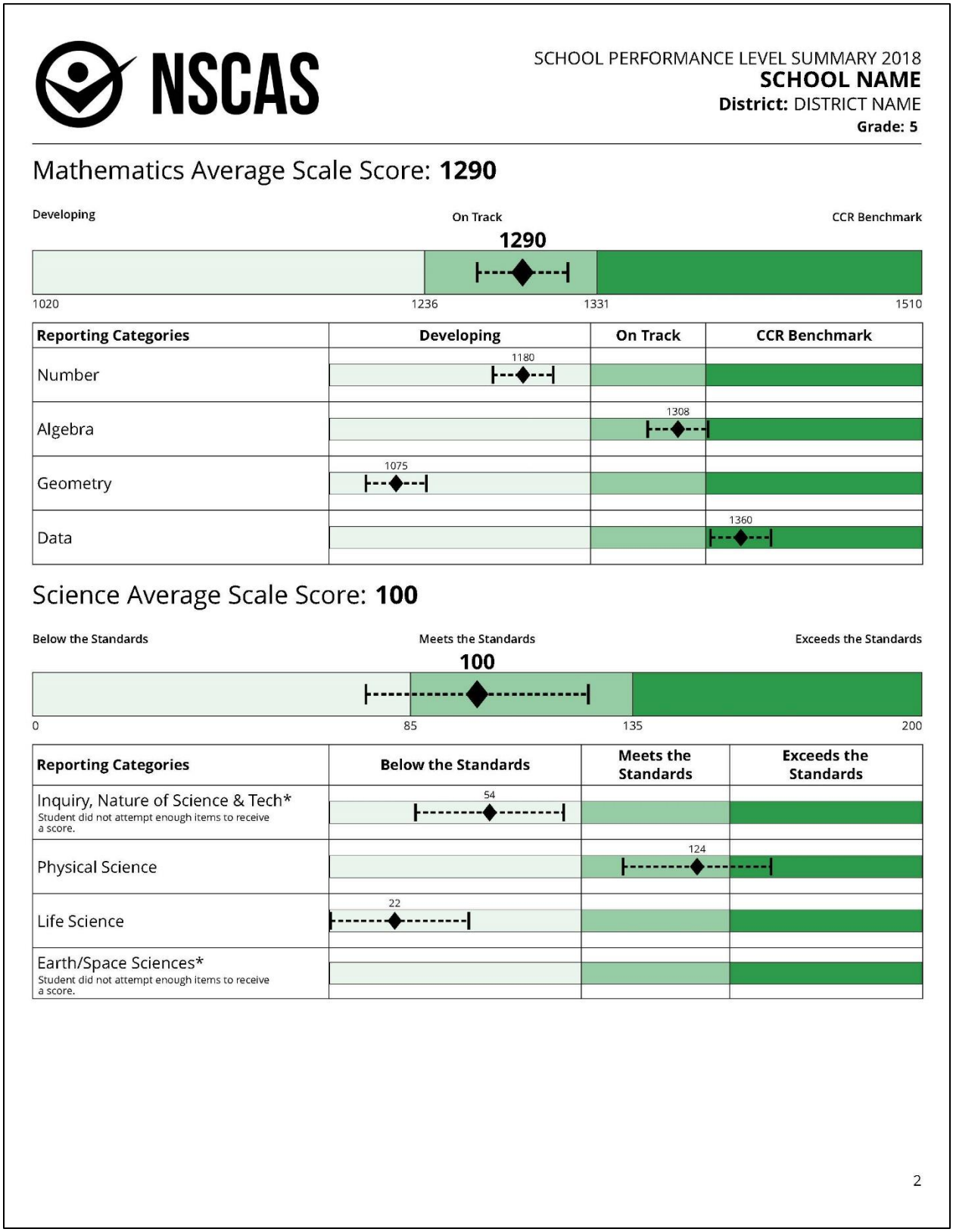


Figure E.9. Sample Report—School Performance Level Summary, Page 3

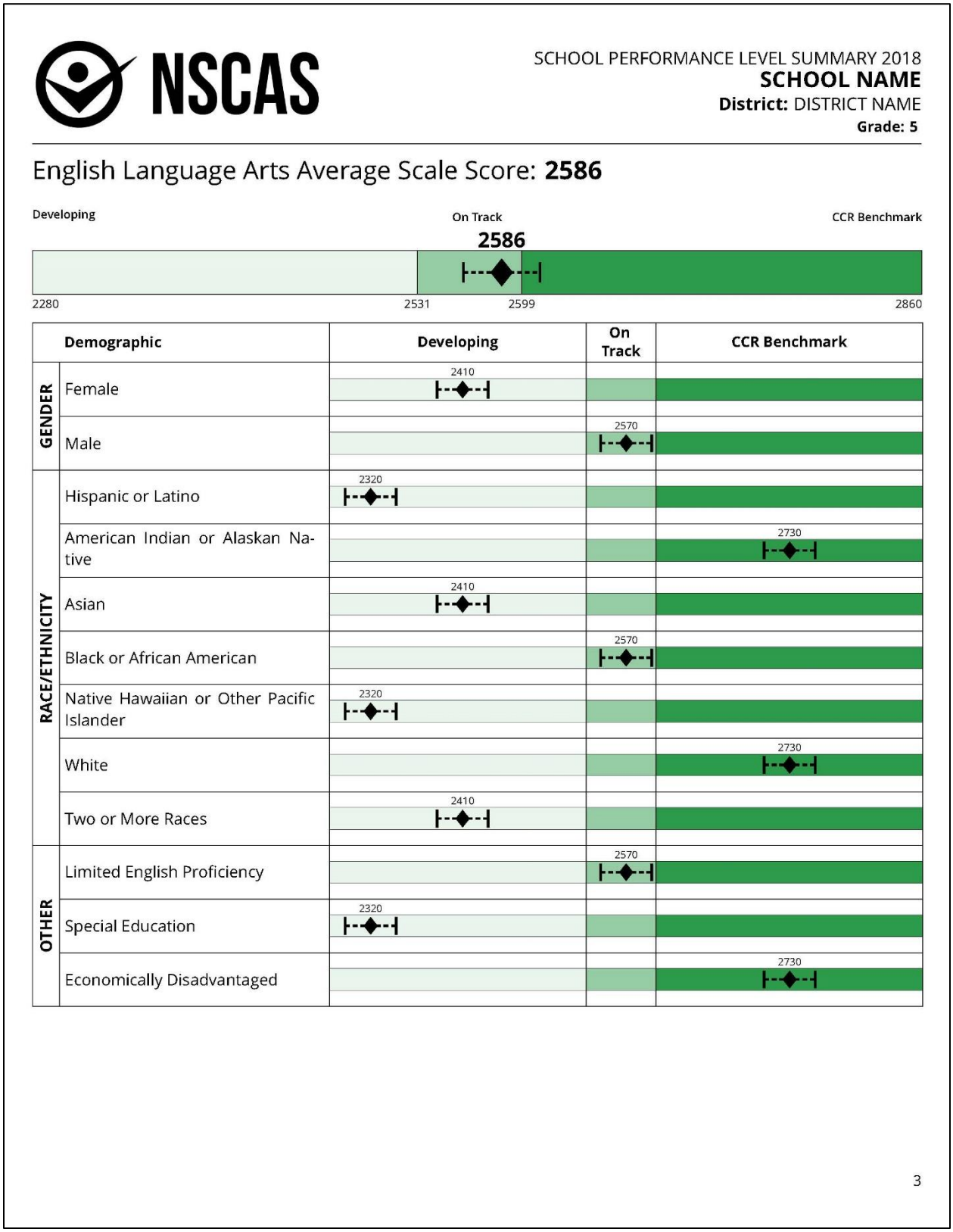


Figure E.10. Sample Report—School Performance Level Summary, Page 4

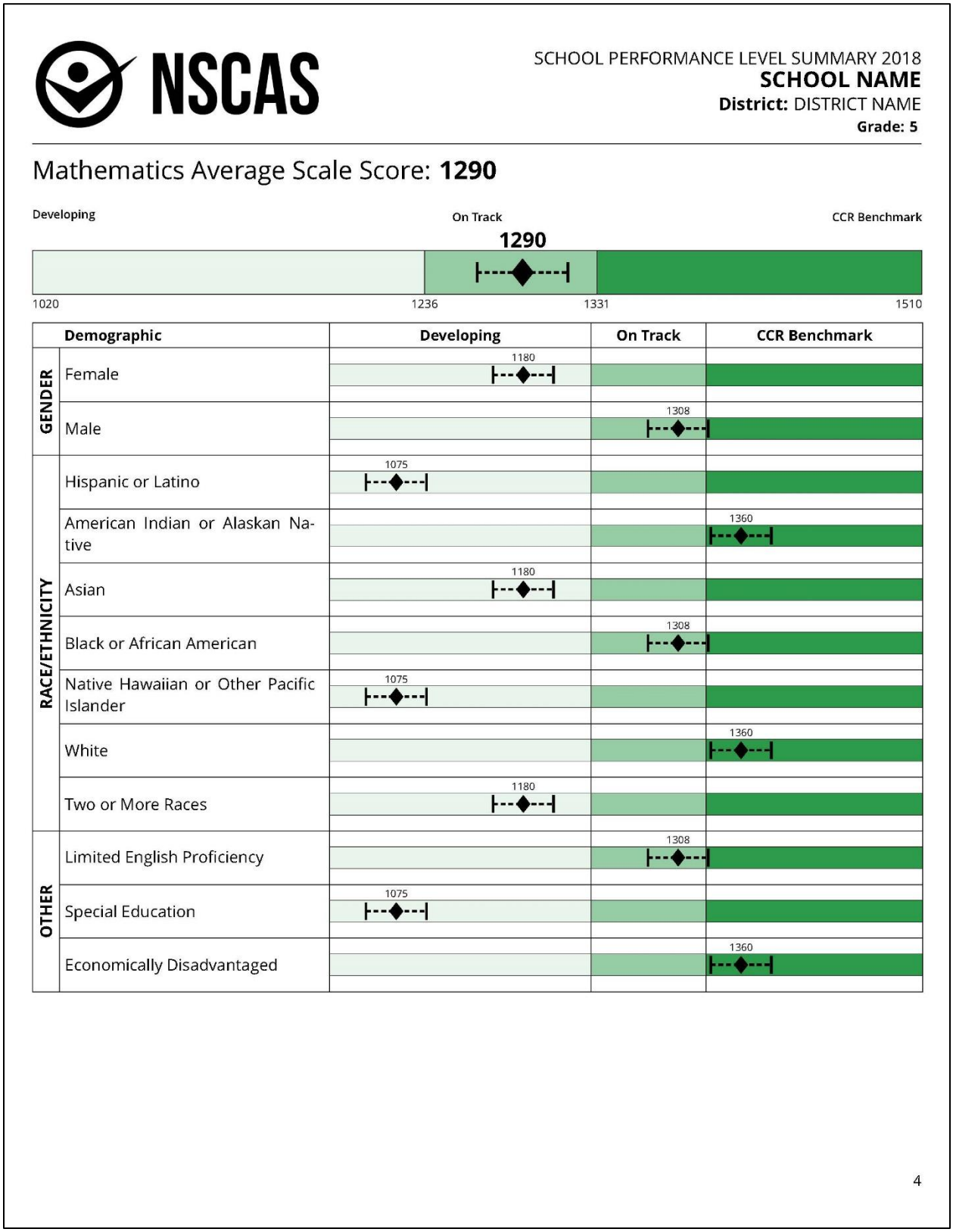


Figure E.11. Sample Report—School Performance Level Summary, Page 5

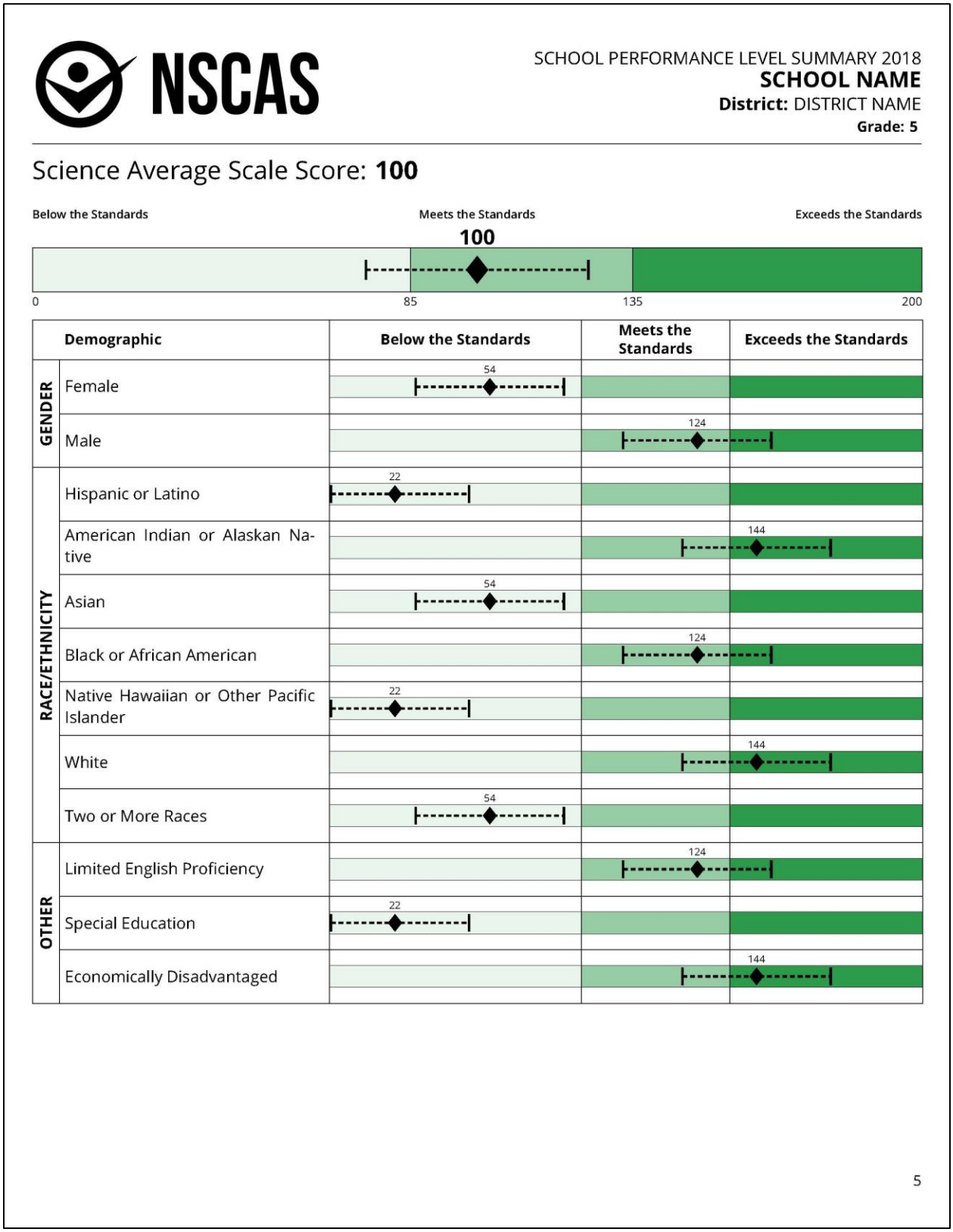


Figure E.12. Sample Report—District Performance Level Summary, Page 1

NSCAS

DISTRICT PERFORMANCE LEVEL SUMMARY 2018

DISTRICT NAME

Grade: 5

What is NSCAS?

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How are achievement levels determined?

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What is ⊢--♦--⊣?

The (♦) represents your district's scale score. Scale scores allow valid comparisons of performance across time and across districts. The (⊢--⊣) represents the ranges covered by one standard deviation (SD) above the average and one SD below the average. The SD is a measure of the variability of test scores from the average (i.e., how spread out scores are in relation to the average). The middle 68% of students fall within 1 SD of the average.

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NSCAS Summative Content Area Standards

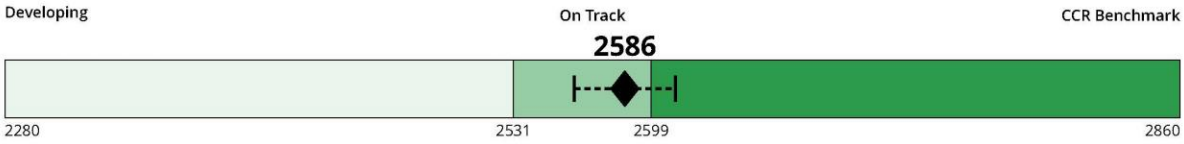
English Language Arts & Math (Grades 3-8)
Based on the Nebraska College and Career Ready Standards, Achievement levels are Developing, On Track, and College and Career Ready Benchmark (CCR Benchmark).

Science (Grades 5 & 8)
Based on Nebraska Legacy Standards until 2020. Based on the Nebraska College and Career Ready Standards starting in 2021. Achievement levels are Below the Standards, Meets the Standards, and Exceeds the Standards.

District Score Comparison

CONTENT AREA	DISTRICT	STATE	SCORE RANGE
English Language Arts	**2586**	2300	2280-2860
Mathematics	**1290**	1200	1020-1510
Science	**100**	100	0-200

English Language Arts Average Scale Score: **2586**



Reporting Categories	Developing	On Track	CCR Benchmark
Reading Vocabulary			2790
Reading Comprehension			2685
Writing Skills	2411		

1

Figure E.13. Sample Report—District Performance Level Summary, Page 2

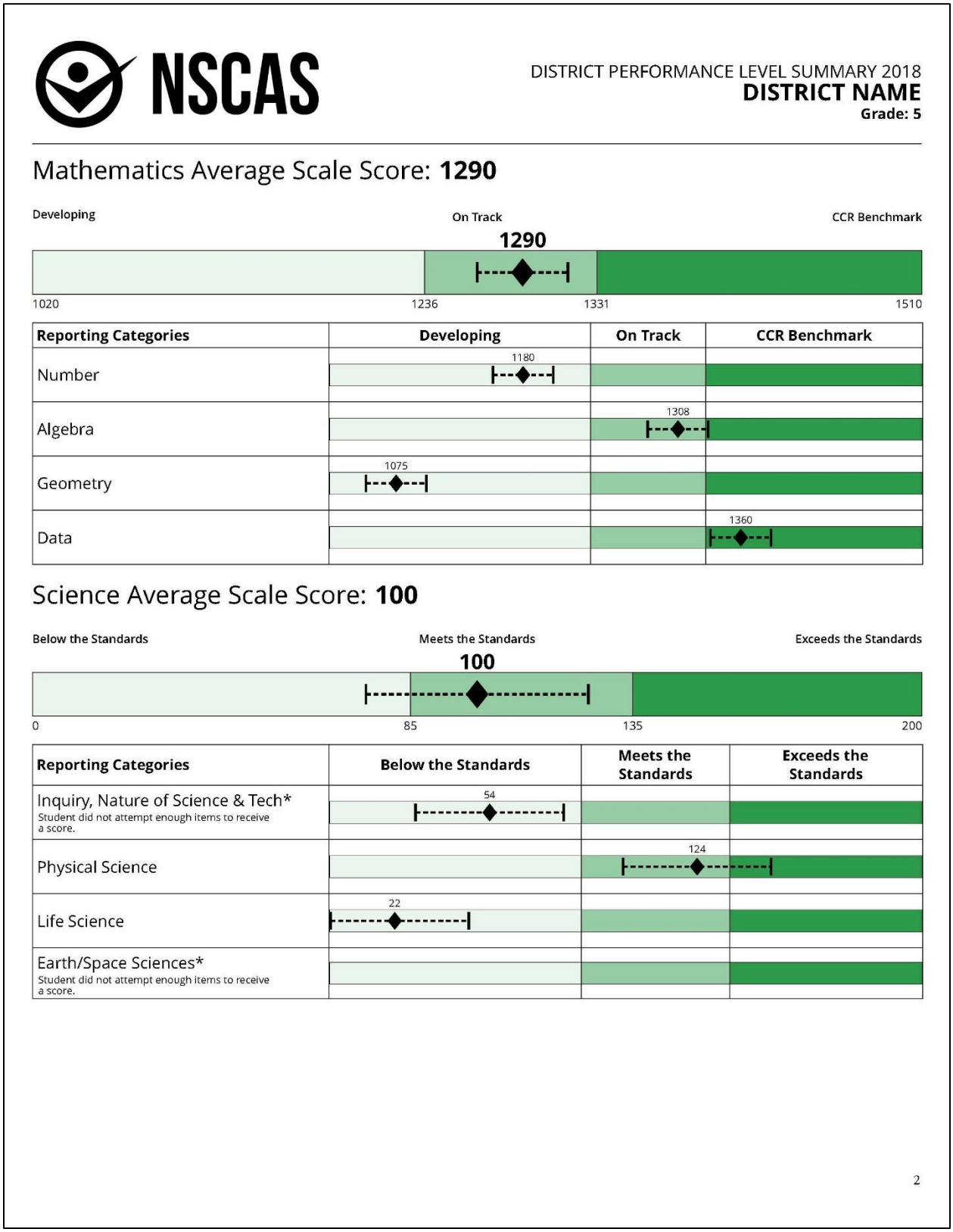


Figure E.14. Sample Report—District Performance Level Summary, Page 3

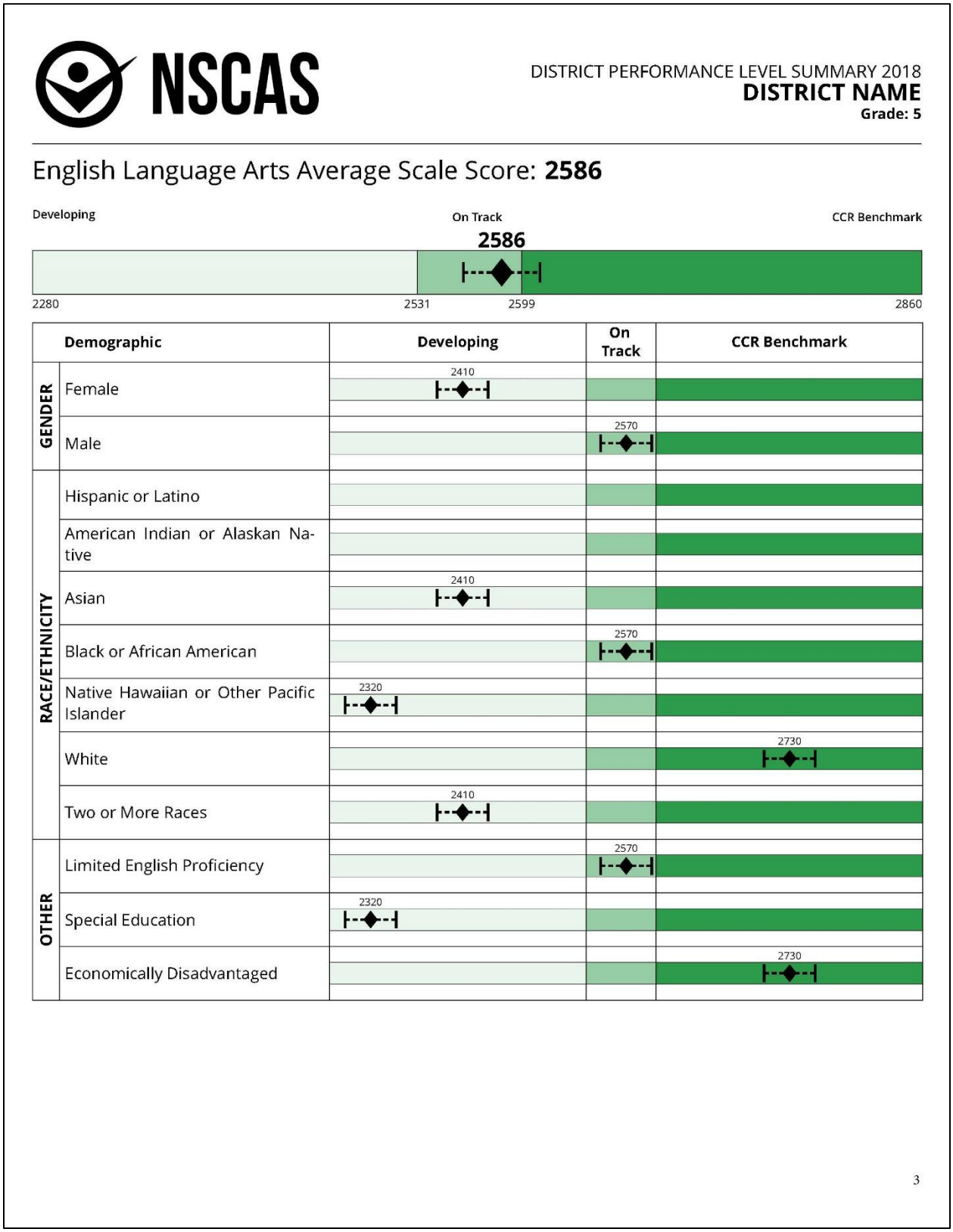


Figure E.15. Sample Report—District Performance Level Summary, Page 4

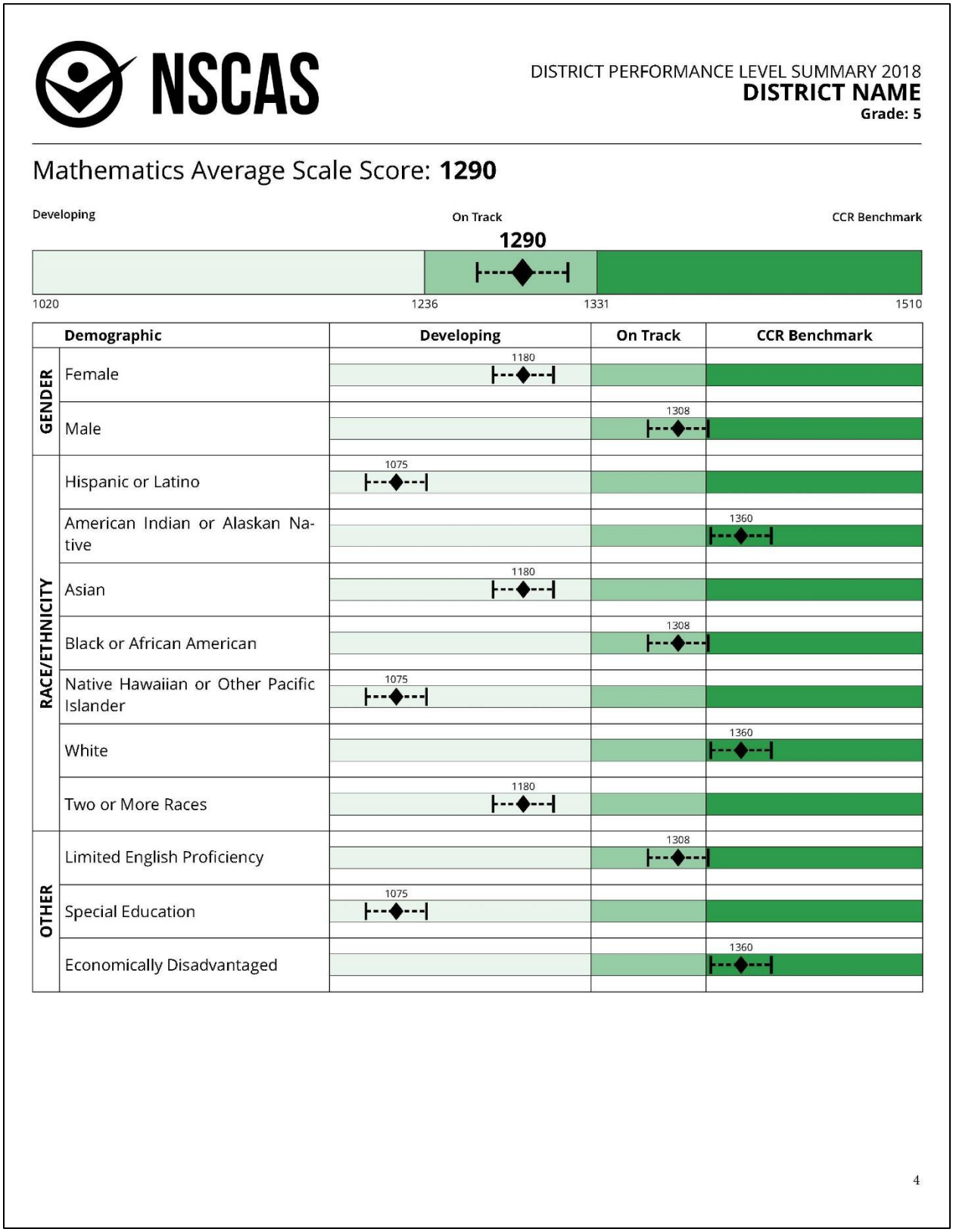


Figure E.16. Sample Report—District Performance Level Summary, Page 5

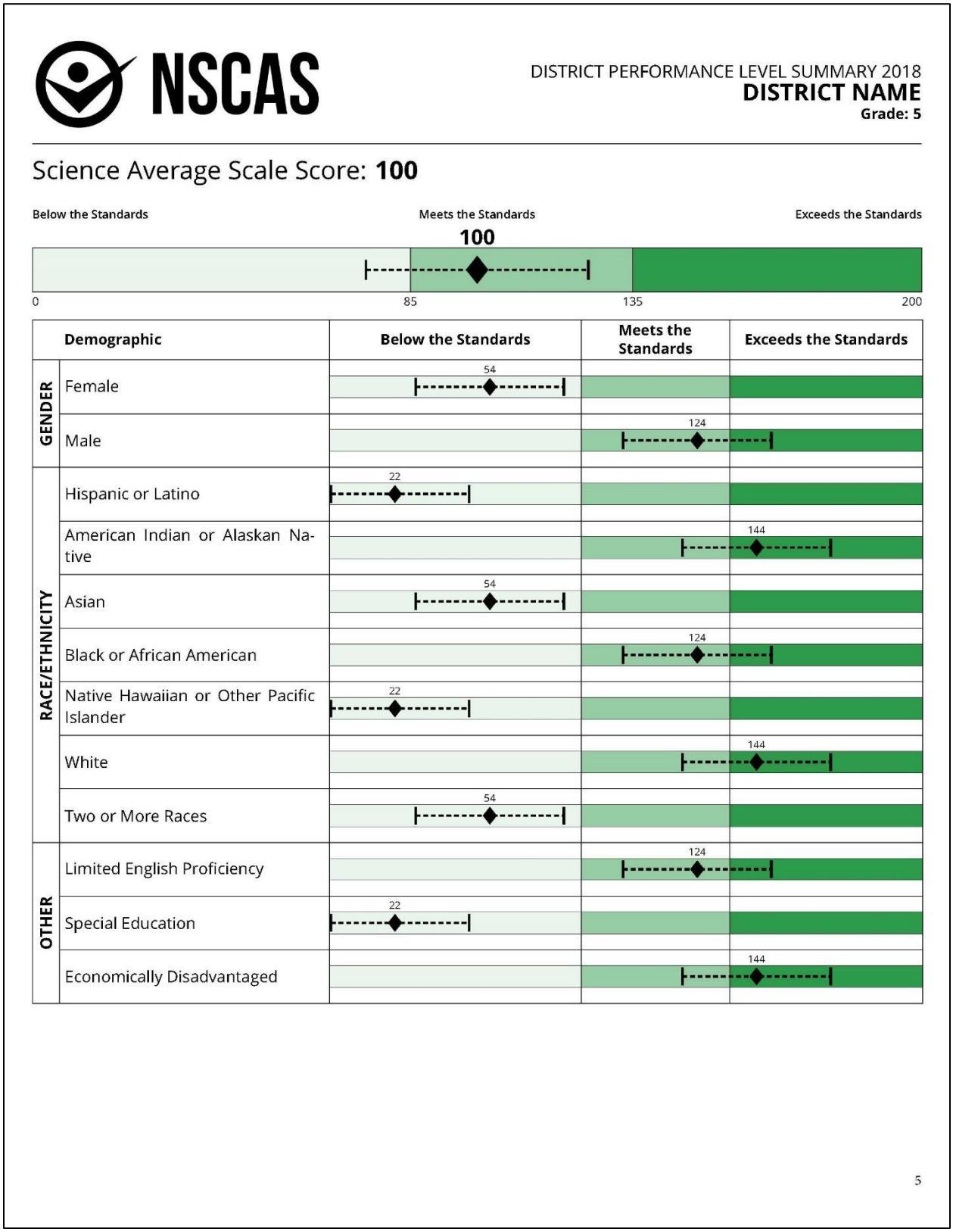


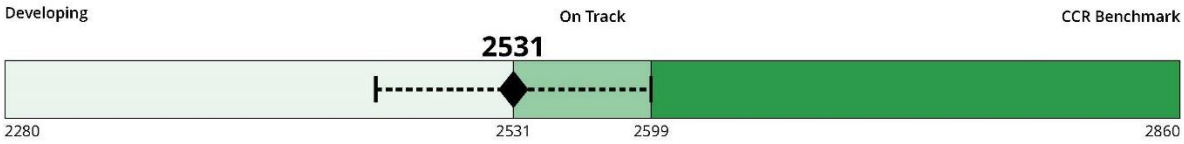
Figure E.17. Sample Report—State Performance Level Summary, Page 1

NSCAS

STATE PERFORMANCE LEVEL SUMMARY 2018
NEBRASKA
Grade: 5

For More Information:
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English Language Arts Average Scale Score: **2531**



	Demographic	Developing	On Track	CCR Benchmark
GENDER	Female	2537		
	Male	2525		
RACE/ETHNICITY	Hispanic or Latino	2507		
	American Indian or Alaskan Native	2492		
	Asian	2538		
	Black or African American	2489		
	Native Hawaiian or Other Pacific Islander	2514		
	White	2543		
	Two or More Races	2525		
OTHER	Limited English Proficiency	2458		
	Special Education	2478		
	Economically Disadvantaged	2506		

1

Figure E.18. Sample Report—State Performance Level Summary, Page 2

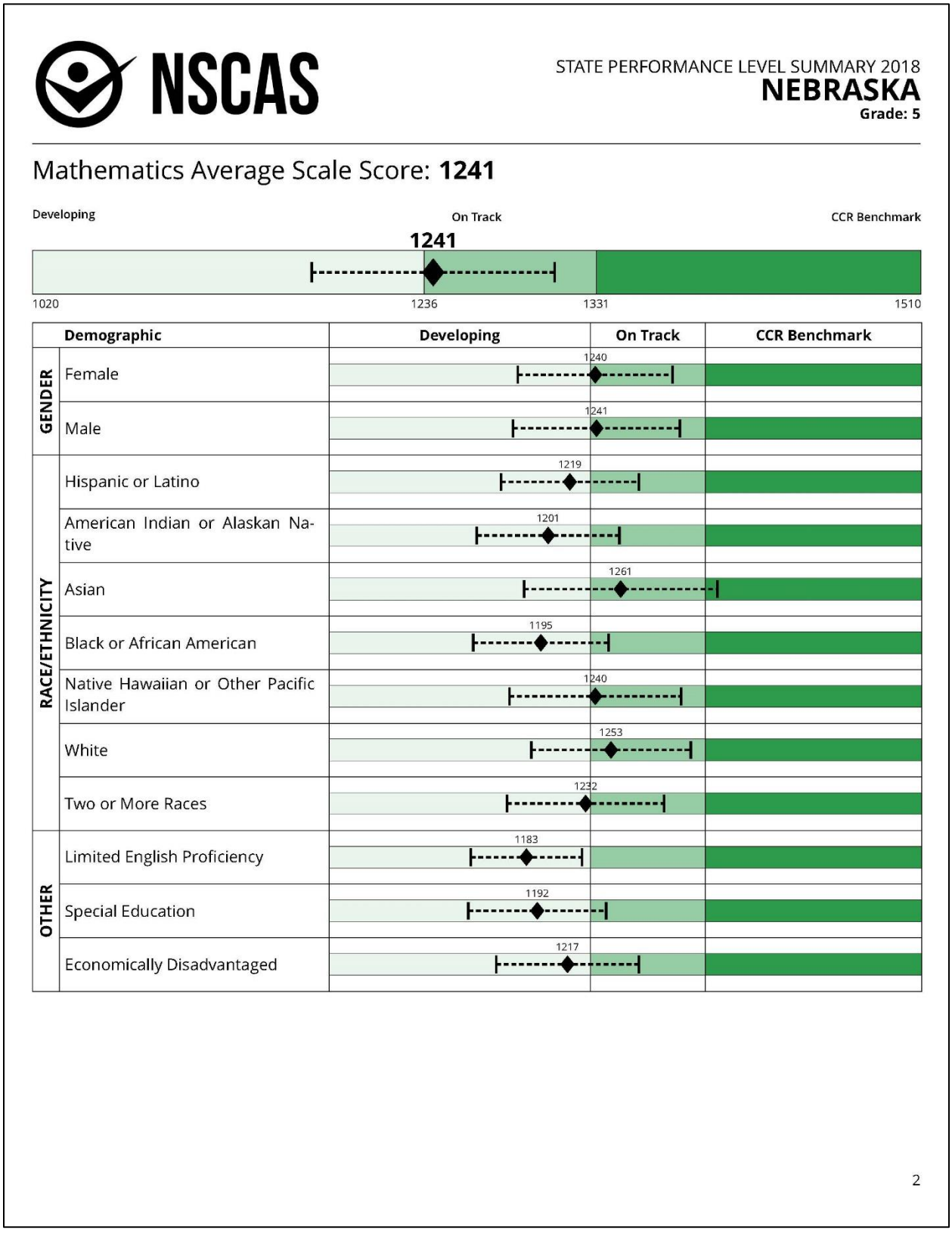


Figure E.19. Sample Report—State Performance Level Summary, Page 3

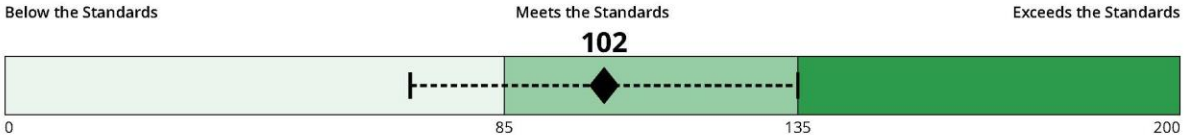
NSCAS

STATE PERFORMANCE LEVEL SUMMARY 2018

NEBRASKA

Grade: 5

Science Average Scale Score: **102**



	Demographic	Below the Standards	Meets the Standards	Exceeds the Standards
GENDER	Female		100	
	Male		103	
RACE/ETHNICITY	Hispanic or Latino		87	
	American Indian or Alaskan Native		80	
	Asian		100	
	Black or African American		78	
	Native Hawaiian or Other Pacific Islander		96	
	White		109	
	Two or More Races		96	
OTHER	Limited English Proficiency		63	
	Special Education		77	
	Economically Disadvantaged		89	

3

Appendix F: Classical Item-Level Statistics

Table F.1. Classical Item-Level Statistics—ELA Grade 3

ELA Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11188620	OP	MC	6,996	0.45	0.13	0.16	0.26	0.45	–	0.31	-0.11	-0.15	-0.14	0.31
11188630	OP	MC	3,744	0.44	0.23	0.12	0.21	0.44	–	0.27	-0.14	-0.07	-0.13	0.27
11188640	OP	MC	10,343	0.37	0.18	0.37	0.20	0.25	–	0.27	-0.16	0.27	-0.10	-0.07
11188650	OP	MC	2,861	0.50	0.28	0.14	0.50	0.09	–	0.35	-0.14	-0.19	0.35	-0.16
11188660	OP	MC	7,828	0.42	0.20	0.42	0.25	0.13	–	0.31	-0.11	0.31	-0.13	-0.15
11188670	OP	MC	3,774	0.36	0.36	0.25	0.27	0.12	–	0.25	0.25	-0.12	-0.06	-0.13
11188680	OP	MC	1,400	0.34	0.21	0.22	0.23	0.34	–	0.31	-0.08	-0.15	-0.12	0.31
11188690	OP	MC	9	0.22	0.11	0.22	0.44	0.22	–	0.56	-0.22	0.08	-0.40	0.56
11188780	OP	MC	5	0.20	0.20	0.40	0.20	0.20	–	0.06	-0.65	0.57	-0.11	0.06
11188810	OP	MC	9	0.22	0.44	0.22	0.11	0.22	–	-0.15	-0.32	-0.15	0.47	0.19
11188820	OP	MC	9	0.33	0.11	0.33	0.33	0.22	–	-0.30	-0.51	0.05	-0.30	0.67
11188840	OP	MC	4	0.50	0.25	–	0.50	0.25	–	-0.44	0.25	–	-0.44	0.25
11192000	OP	MC	33	0.58	0.06	0.06	0.58	0.30	–	0.32	-0.02	-0.19	0.32	-0.23
11192020	OP	MC	3,641	0.61	0.61	0.06	0.27	0.07	–	0.41	0.41	-0.22	-0.24	-0.16
11192030	OP	MC	325	0.46	0.17	0.46	0.26	0.11	–	0.28	-0.10	0.28	-0.13	-0.15
11192040	OP	MC	1	–	1.00	–	–	–	–	–	–	–	–	–
11192060	OP	MC	806	0.52	0.52	0.09	0.20	0.19	–	0.34	0.34	-0.15	-0.17	-0.16
11192070	OP	MC	1,249	0.45	0.13	0.15	0.26	0.45	–	0.34	-0.14	-0.11	-0.19	0.34
11192080	OP	MC	125	0.38	0.38	0.13	0.15	0.34	–	0.39	0.39	-0.05	-0.06	-0.31
11192100	OP	MC	2,568	0.55	0.08	0.11	0.55	0.26	–	0.37	-0.19	-0.25	0.37	-0.12
11192110	OP	MC	1,012	0.52	0.20	0.09	0.52	0.19	–	0.30	-0.14	-0.17	0.30	-0.12
11192160	OP	MC	3,013	0.58	0.58	0.02	0.08	0.32	–	0.26	0.26	-0.08	-0.19	-0.14
11192330	OP	MC	351	0.69	0.13	0.08	0.69	0.11	–	0.39	-0.33	-0.12	0.39	-0.13
21048510	VL	MC	1,334	0.31	0.31	0.21	0.17	0.31	–	0.18	0.04	-0.11	-0.16	0.18
21048530	VL	MC	1,334	0.61	0.16	0.16	0.61	0.07	–	0.40	-0.25	-0.18	0.40	-0.17
21048630	HL	MC	23,875	0.55	0.13	0.12	0.55	0.20	–	0.43	-0.20	-0.13	0.43	-0.26
21048650	HL	MC	23,875	0.58	0.24	0.10	0.58	0.08	–	0.46	-0.26	-0.23	0.46	-0.16
21048660	HL	MC	23,875	0.59	0.17	0.14	0.09	0.59	–	0.46	-0.25	-0.17	-0.24	0.46
21048670	HL	MC	23,875	0.60	0.60	0.15	0.17	0.08	–	0.31	0.31	-0.23	-0.04	-0.19
21058480	OP	MC	1,137	0.26	0.26	0.29	0.18	0.27	–	0.29	0.29	-0.06	-0.06	-0.17

ELA Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21058490	OP	MC	13	0.46	0.15	0.46	–	0.38	–	0.62	-0.39	0.62	–	-0.35
21058810	OP	MC	622	0.24	0.24	0.19	0.30	0.27	–	0.24	0.24	-0.08	-0.06	-0.10
21058820	OP	MC	739	0.36	0.25	0.20	0.36	0.19	–	0.31	-0.06	-0.13	0.31	-0.18
21058840	OP	MC	422	0.27	0.20	0.37	0.27	0.16	–	0.26	-0.10	-0.08	0.26	-0.10
21058850	OP	MC	1,639	0.38	0.11	0.19	0.32	0.38	–	0.33	-0.09	-0.12	-0.18	0.33
21058860	OP	MC	974	0.33	0.20	0.33	0.22	0.24	–	0.24	-0.11	0.24	-0.04	-0.12
21058870	OP	MC	2,399	0.27	0.27	0.24	0.33	0.16	–	0.26	0.26	-0.17	-0.01	-0.10
21058880	OP	MC	2,403	0.31	0.25	0.31	0.21	0.24	–	0.19	0.01	0.19	-0.12	-0.10
21058890	OP	MC	4,060	0.32	0.16	0.28	0.24	0.32	–	0.16	-0.04	-0.04	-0.09	0.16
21058900	OP	MC	670	0.30	0.22	0.29	0.30	0.20	–	0.24	-0.05	-0.12	0.24	-0.08
21058910	OP	MC	2,226	0.32	0.19	0.21	0.28	0.32	–	0.24	-0.10	-0.11	-0.05	0.24
21058920	OP	MC	2,761	0.39	0.32	0.16	0.39	0.13	–	0.26	-0.08	-0.08	0.26	-0.18
21058930	OP	MC	4,060	0.32	0.16	0.32	0.26	0.27	–	0.26	-0.12	0.26	-0.08	-0.09
21058940	OP	MC	2,710	0.29	0.29	0.19	0.21	0.30	–	0.27	0.27	-0.07	-0.04	-0.17
21058950	OP	MC	1,197	0.35	0.19	0.28	0.35	0.18	–	0.32	-0.08	-0.16	0.32	-0.14
21059160	OP	MC	8	0.38	0.13	0.38	0.13	0.38	–	0.49	0.12	0.49	-0.59	-0.17
21059240	OP	MC	916	0.28	0.28	0.19	0.25	0.28	–	0.33	0.33	-0.10	-0.06	-0.18
21059340	OP	MC	93	0.31	0.31	0.28	0.20	0.20	–	0.30	0.30	-0.03	-0.33	0.02
21059370	OP	MC	86	0.55	0.13	0.13	0.20	0.55	–	0.25	-0.02	-0.29	-0.05	0.25
21059440	OP	MC	331	0.37	0.21	0.22	0.21	0.37	–	0.32	-0.10	-0.15	-0.12	0.32
21059460	OP	MC	1,240	0.33	0.33	0.20	0.19	0.28	–	0.33	0.33	-0.15	-0.14	-0.09
21059480	OP	MC	354	0.24	0.24	0.23	0.27	0.26	–	0.33	0.33	-0.06	-0.12	-0.14
21059490	OP	MC	20	0.25	0.30	0.25	0.25	0.20	–	0.23	0.26	-0.07	0.23	-0.47
21059510	OP	MC	1,281	0.34	0.19	0.34	0.19	0.29	–	0.29	-0.05	0.29	-0.14	-0.15
21059520	OP	MC	1,281	0.29	0.29	0.25	0.20	0.25	–	0.34	0.34	-0.06	-0.11	-0.20
21059540	OP	MC	1,125	0.51	0.19	0.15	0.15	0.51	–	0.30	-0.12	-0.09	-0.20	0.30
21059550	OP	MC	286	0.37	0.21	0.22	0.37	0.20	–	0.36	-0.15	-0.17	0.36	-0.09
21059580	OP	MC	66	0.47	0.21	0.17	0.47	0.15	–	0.22	-0.05	-0.18	0.22	-0.06
21059590	OP	MC	66	0.38	0.23	0.38	0.23	0.17	–	0.28	-0.09	0.28	-0.27	0.04
21059600	OP	MC	68	0.31	0.21	0.19	0.31	0.29	–	0.34	-0.17	-0.22	0.34	–
21059620	OP	MC	273	0.35	0.19	0.35	0.19	0.27	–	0.21	-0.06	0.21	-0.11	-0.07
21059630	OP	MC	108	0.37	0.16	0.18	0.37	0.30	–	0.39	-0.23	-0.10	0.39	-0.15
21059640	OP	MC	178	0.29	0.24	0.29	0.28	0.19	–	0.26	-0.14	0.26	-0.11	-0.01

ELA Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21059650	OP	MC	20	0.55	0.10	0.55	0.25	0.10	–	0.22	0.06	0.22	-0.15	-0.20
21059670	OP	MC	41	0.32	0.39	0.17	0.12	0.32	–	0.03	0.09	-0.03	-0.14	0.03
21059700	OP	MC	13	0.31	0.31	0.38	0.23	0.08	–	0.45	0.45	-0.19	-0.40	0.19
21059710	OP	MC	102	0.48	0.08	0.18	0.48	0.26	–	0.49	-0.06	-0.15	0.49	-0.39
21059740	OP	MC	70	0.49	0.19	0.14	0.49	0.19	–	0.18	-0.20	–	0.18	-0.03
21059770	OP	MC	280	0.20	0.24	0.19	0.38	0.20	–	0.21	-0.07	-0.13	–	0.21
21060140	OP	MC	2	–	0.50	–	0.50	–	–	–	-1.00	–	1.00	–
21060150	OP	MC	64	0.48	0.48	0.13	0.31	0.08	–	0.42	0.42	-0.27	-0.25	-0.01
21060160	OP	MC	160	0.46	0.29	0.10	0.15	0.46	–	0.32	-0.13	-0.02	-0.25	0.32
21060170	OP	MC	128	0.29	0.29	0.17	0.16	0.38	–	0.28	0.28	-0.09	0.01	-0.20
21060180	OP	MC	95	0.42	0.27	0.42	0.23	0.07	–	0.42	-0.11	0.42	-0.26	-0.19
21060190	OP	MC	1	1.00	–	–	1.00	–	–	–	–	–	–	–
21060200	OP	MC	165	0.30	0.36	0.14	0.19	0.30	–	0.25	-0.02	-0.12	-0.16	0.25
21060210	OP	MC	50	0.46	0.14	0.16	0.46	0.24	–	0.24	0.04	-0.22	0.24	-0.13
21060220	OP	MC	1	–	–	1.00	–	–	–	–	–	–	–	–
21060270	OP	MC	2,239	0.47	0.47	0.12	0.25	0.16	–	0.33	0.33	-0.15	-0.16	-0.13
21060280	OP	MC	10,337	0.45	0.21	0.17	0.45	0.17	–	0.29	-0.03	-0.14	0.29	-0.21
21060380	OP	MC	1	–	–	–	–	1.00	–	–	–	–	–	–
21060390	OP	MC	1	1.00	–	–	–	1.00	–	–	–	–	–	–
21060400	OP	MC	470	0.34	0.22	0.34	0.22	0.22	–	0.19	0.02	0.19	-0.07	-0.18
21060410	OP	MC	885	0.42	0.15	0.21	0.42	0.22	–	0.25	-0.08	-0.11	0.25	-0.12
21060420	OP	MC	1	1.00	1.00	–	–	–	–	–	–	–	–	–
21060430	OP	MC	486	0.32	0.32	0.22	0.26	0.20	–	0.29	0.29	-0.11	-0.13	-0.08
21060440	OP	MC	263	0.27	0.22	0.27	0.33	0.18	–	0.24	0.02	0.24	-0.12	-0.14
21060450	OP	MC	2	0.50	0.50	0.50	–	–	–	1.00	-1.00	1.00	–	–
21060460	OP	MC	894	0.41	0.19	0.41	0.20	0.20	–	0.32	-0.12	0.32	-0.09	-0.19
21060470	OP	MC	455	0.24	0.24	0.20	0.20	0.35	–	0.27	0.27	-0.02	-0.14	-0.11
21060480	OP	MC	117	0.34	0.34	0.18	0.21	0.27	–	0.35	0.35	0.01	-0.16	-0.24
21060490	OP	MC	367	0.41	0.21	0.17	0.41	0.22	–	0.37	-0.21	-0.06	0.37	-0.18
21060650	OP	MC	1	1.00	–	–	–	1.00	–	–	–	–	–	–
21060690	OP	MC	10	0.60	0.30	0.10	0.60	–	–	0.04	0.04	-0.13	0.04	–
21060700	OP	MC	80	0.40	0.40	0.11	0.39	0.10	–	0.47	0.47	-0.09	-0.34	-0.11
21060740	OP	MC	88	0.26	0.19	0.26	0.25	0.30	–	0.40	0.07	0.40	-0.16	-0.29

ELA Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21060760	OP	MC	2	0.50	0.50	–	0.50	–	–	1.00	1.00	–	-1.00	
21060770	OP	MC	2	–	1.00	–	–	–	–	–	–	–	–	–
21060790	OP	MC	1	1.00	–	1.00	–	–	–	–	–	–	–	–
21070820	OP	MC	88	0.28	0.35	0.20	0.16	0.28	–	0.24	-0.17	-0.07	–	0.24
21070850	OP	MC	1	1.00	–	1.00	–	–	–	–	–	–	–	–
21070860	OP	MC	134	0.30	0.31	0.19	0.30	0.20	–	0.24	-0.12	-0.18	0.24	0.04
21070900	OP	MC	910	0.44	0.21	0.14	0.44	0.21	–	0.26	-0.06	-0.20	0.26	-0.08
21070910	OP	MC	1,019	0.32	0.18	0.32	0.25	0.25	–	0.19	-0.06	0.19	-0.02	-0.13
21070920	OP	MC	1,004	0.50	0.17	0.09	0.50	0.24	–	0.26	-0.18	-0.21	0.26	-0.01
21070960	OP	MC	695	0.31	0.30	0.31	0.24	0.15	–	0.30	-0.12	0.30	-0.09	-0.12
21070970	OP	MC	75	0.48	0.48	0.27	0.12	0.13	–	0.29	0.29	-0.18	-0.06	-0.14
21070980	OP	MC	233	0.39	0.21	0.12	0.28	0.39	–	0.19	-0.07	-0.14	-0.04	0.19
21070990	OP	MC	134	0.28	0.16	0.25	0.31	0.28	–	0.25	-0.13	-0.08	-0.08	0.25
21071000	OP	MC	2	0.50	0.50	–	–	0.50	–	1.00	-1.00	–	–	1.00
21071010	OP	MC	18	0.39	0.17	0.22	0.39	0.22	–	-0.35	0.10	0.12	-0.35	0.21
21071020	OP	MC	2	–	–	–	–	1.00	–	–	–	–	–	–
21071030	OP	MC	1	1.00	1.00	–	–	–	–	–	–	–	–	–
21071040	OP	MC	5	0.60	0.40	–	–	0.60	–	-0.14	0.14	–	–	-0.14
21071050	OP	MC	14	0.29	0.14	0.29	0.29	0.29	–	0.06	-0.47	0.06	-0.21	0.51
21071060	OP	MC	9	0.33	0.33	0.33	0.33	–	–	0.10	0.36	-0.46	0.10	–
21071110	OP	MC	6,343	0.55	0.05	0.37	0.55	0.03	–	0.36	-0.17	-0.26	0.36	-0.10
21071120	OP	MC	4,130	0.44	0.22	0.44	0.14	0.20	–	0.28	-0.04	0.28	-0.17	-0.17
21071130	OP	MC	16	0.44	–	0.31	0.25	0.44	–	0.48	–	-0.03	-0.51	0.48
21071140	OP	MC	23,322	0.45	0.10	0.26	0.18	0.45	–	0.36	-0.18	-0.16	-0.13	0.36
21071150	HL	MC	23,875	0.53	0.53	0.13	0.15	0.19	–	0.34	0.34	-0.23	-0.07	-0.17
21071160	HL	MC	23,875	0.78	0.06	0.08	0.78	0.07	–	0.51	-0.30	-0.29	0.51	-0.23
21071170	OP	MC	2,174	0.45	0.45	0.22	0.15	0.18	–	0.34	0.34	-0.12	-0.18	-0.15
21071180	HL	MC	23,875	0.56	0.09	0.09	0.26	0.56	–	0.42	-0.29	-0.19	-0.15	0.42
21071390	OP	MC	395	0.49	0.18	0.49	0.12	0.21	–	0.25	-0.09	0.25	-0.09	-0.15
21071400	OP	MC	255	0.49	0.49	0.23	0.17	0.11	–	0.33	0.33	-0.09	-0.16	-0.21
21071420	OP	MC	547	0.43	0.21	0.19	0.43	0.17	–	0.28	-0.09	-0.10	0.28	-0.17
21071460	OP	MC	118	0.53	0.10	0.10	0.27	0.53	–	0.27	-0.08	-0.19	-0.12	0.27
21071490	OP	MC	1	–	–	–	1.00	–	–	–	–	–	–	–

ELA Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21071530	OP	MC	1	–	–	–	–	1.00	–	–	–	–	–	–
21071620	VL	MC	1,334	0.50	0.09	0.14	0.50	0.27	–	0.28	-0.22	-0.16	0.28	-0.05
21071630	VL	MC	1,334	0.25	0.25	0.14	0.29	0.32	–	0.08	0.08	-0.19	0.11	-0.03
21071640	VL	MC	1,334	0.46	0.22	0.19	0.46	0.13	–	0.29	-0.13	-0.05	0.29	-0.22
21072270	OP	MC	2,190	0.56	0.56	0.16	0.11	0.17	–	0.33	0.33	-0.14	-0.15	-0.17
21072280	HL	MC	23,875	0.40	0.32	0.40	0.17	0.12	–	0.35	-0.08	0.35	-0.17	-0.22
21072360	OP	MC	4,360	0.39	0.16	0.05	0.39	0.40	–	0.22	-0.22	-0.12	0.22	-0.01
21072380	HL	MC	23,875	0.70	0.12	0.70	0.08	0.10	–	0.52	-0.29	0.52	-0.26	-0.24
21072480	OP	MC	2,650	0.57	0.15	0.11	0.17	0.57	–	0.32	-0.16	-0.16	-0.14	0.32
21072500	HL	MC	23,875	0.84	0.05	0.05	0.84	0.06	–	0.50	-0.28	-0.28	0.50	-0.25
21072530	HL	MC	23,875	0.54	0.18	0.20	0.08	0.54	–	0.40	-0.11	-0.20	-0.28	0.40
21072600	HL	MC	23,875	0.63	0.06	0.63	0.06	0.26	–	0.41	-0.26	0.41	-0.27	-0.17
21072610	HL	MC	23,875	0.65	0.17	0.13	0.05	0.65	–	0.51	-0.31	-0.20	-0.26	0.51
21072620	HL	MC	23,875	0.80	0.05	0.09	0.80	0.06	–	0.51	-0.26	-0.30	0.51	-0.26
21072630	HL	MC	23,875	0.46	0.34	0.46	0.15	0.05	–	0.44	-0.26	0.44	-0.15	-0.19
21072640	OP	MC	6,137	0.54	0.11	0.20	0.54	0.15	–	0.37	-0.17	-0.13	0.37	-0.23
21072650	OP	MC	5,719	0.57	0.13	0.57	0.07	0.23	–	0.41	-0.26	0.41	-0.20	-0.16
21072680	OP	MC	64	0.47	0.13	0.06	0.47	0.34	–	0.34	0.04	-0.14	0.34	-0.31
21072710	OP	MC	39	0.62	0.18	0.03	0.18	0.62	–	0.17	-0.31	0.29	-0.02	0.17
21072720	OP	MC	31	0.39	0.13	0.39	0.39	0.10	–	0.37	-0.39	-0.06	0.37	-0.07
21072750	OP	MC	7	0.43	0.29	0.14	0.14	0.43	–	0.66	0.15	-0.51	-0.61	0.66
21072760	OP	MC	42	0.45	0.45	0.31	0.14	0.10	–	0.31	0.31	0.01	-0.09	-0.44
21072780	VL	MC	1,335	0.62	0.15	0.17	0.06	0.62	–	0.39	-0.13	-0.25	-0.22	0.39
21072800	VL	MC	1,335	0.55	0.14	0.25	0.55	0.06	–	0.50	-0.23	-0.24	0.50	-0.29
21072810	OP	MC	18,681	0.58	0.06	0.26	0.10	0.58	–	0.39	-0.20	-0.14	-0.27	0.39
21072820	OP	MC	6,436	0.42	0.42	0.19	0.17	0.21	–	0.29	0.29	-0.11	-0.11	-0.14
21072830	VL	MC	1,335	0.42	0.42	0.10	0.07	0.40	–	0.30	0.30	-0.18	-0.29	-0.04
21072840	VL	MC	1,335	0.45	0.45	0.21	0.12	0.22	–	0.26	0.26	-0.09	-0.22	-0.05
21072850	OP	MC	7,596	0.64	0.15	0.09	0.64	0.12	–	0.29	-0.13	-0.17	0.29	-0.13
21072860	OP	MC	13,172	0.54	0.17	0.23	0.54	0.06	–	0.37	-0.25	-0.16	0.37	-0.10
21072880	VL	MC	1,335	0.49	0.16	0.20	0.15	0.49	–	0.31	-0.10	-0.21	-0.10	0.31
21072900	OP	MC	7,773	0.51	0.17	0.25	0.08	0.51	–	0.33	-0.18	-0.11	-0.19	0.33
21072910	OP	MC	18,680	0.50	0.50	0.21	0.11	0.18	–	0.32	0.32	-0.13	-0.18	-0.12

ELA Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21072940	OP	MC	8,858	0.57	0.22	0.57	0.05	0.16	–	0.32	-0.18	0.32	-0.12	-0.16
21072950	OP	MC	3,632	0.58	0.10	0.58	0.17	0.15	–	0.34	-0.13	0.34	-0.20	-0.14
21072980	OP	MC	4,316	0.50	0.38	0.50	0.05	0.08	–	0.30	-0.20	0.30	-0.08	-0.13
21073010	OP	MC	6,853	0.55	0.19	0.06	0.19	0.55	–	0.15	-0.06	-0.14	-0.04	0.15
21073030	OP	MC	12	0.67	0.17	0.17	0.67	–	–	0.02	-0.20	0.18	0.02	–
21073100	OP	MC	29	0.24	0.21	0.17	0.38	0.24	–	-0.26	0.17	-0.03	0.11	-0.26
21073120	OP	MC	4,861	0.46	0.46	0.37	0.05	0.13	–	0.45	0.45	-0.39	-0.09	-0.05
21073130	OP	MC	192	0.58	0.58	0.11	0.08	0.23	–	0.31	0.31	-0.19	-0.07	-0.18
21073140	OP	MC	5,027	0.46	0.20	0.02	0.32	0.46	–	0.37	-0.18	-0.06	-0.22	0.37
21073150	OP	MC	9,233	0.17	0.46	0.34	0.17	0.03	–	0.11	0.10	-0.16	0.11	-0.10
21078960	OP	MC	174	0.36	0.17	0.18	0.29	0.36	–	0.23	0.02	-0.09	-0.18	0.23
21079000	OP	MC	2,359	0.69	0.01	0.69	0.07	0.23	–	0.33	-0.06	0.33	-0.21	-0.23
21079030	OP	MC	1,657	0.44	0.44	0.05	0.44	0.07	–	0.34	-0.20	-0.15	0.34	-0.15
21079060	OP	MC	1,148	0.37	0.29	0.15	0.19	0.37	–	0.27	-0.14	-0.05	-0.12	0.27
21079090	OP	MC	99	0.35	0.24	0.35	0.18	0.22	–	0.45	-0.25	0.45	-0.16	-0.11
21079130	OP	MC	30	0.17	0.30	0.07	0.17	0.47	–	0.23	-0.19	0.41	0.23	-0.20
21079150	OP	MC	419	0.40	0.16	0.22	0.21	0.40	–	0.30	-0.06	-0.18	-0.12	0.30
21079200	OP	MC	164	0.46	0.14	0.21	0.18	0.46	–	0.45	-0.20	-0.20	-0.19	0.45
21079220	OP	MC	3,891	0.54	0.14	0.10	0.22	0.54	–	0.35	-0.13	-0.17	-0.19	0.35
21079240	OP	MC	164	0.34	0.19	0.34	0.23	0.24	–	0.43	-0.05	0.43	-0.24	-0.20
21079270	VL	MC	1,334	0.64	0.09	0.08	0.64	0.19	–	0.44	-0.23	-0.19	0.44	-0.24
21079280	OP	MC	89	0.49	0.49	0.17	0.17	0.17	–	0.39	0.39	-0.05	-0.19	-0.28
21079300	OP	MC	9,032	0.91	0.07	0.01	0.91	0.01	–	0.18	-0.13	-0.08	0.18	-0.09
21079350	OP	MC	157	0.47	0.47	0.48	0.03	0.03	–	0.33	0.33	-0.25	-0.13	-0.11
21079380	OP	MC	110	0.32	0.16	0.24	0.32	0.28	–	0.36	-0.01	-0.16	0.36	-0.22
21079390	OP	MC	7,097	0.44	0.44	0.25	0.20	0.11	–	0.29	0.29	-0.13	-0.09	-0.17
21079410	OP	MC	17	0.41	0.41	0.12	0.41	0.06	–	0.53	-0.54	-0.13	0.53	0.19
21079420	OP	MC	5,368	0.46	0.29	0.09	0.46	0.16	–	0.24	-0.12	-0.13	0.24	-0.08
21079430	OP	MC	12,126	0.49	0.19	0.49	0.20	0.12	–	0.31	-0.21	0.31	-0.08	-0.13
21079460	OP	MC	5,166	0.49	0.16	0.49	0.15	0.20	–	0.26	-0.10	0.26	-0.13	-0.11
21079480	OP	MC	3,698	0.45	0.45	0.17	0.21	0.17	–	0.26	0.26	-0.07	-0.18	-0.09
21079490	OP	MC	1	–	–	–	1.00	–	–	–	–	–	–	–
21079550	OP	MC	429	0.41	0.23	0.15	0.21	0.41	–	0.33	-0.06	-0.20	-0.16	0.33

ELA Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21079560	OP	MC	4,375	0.37	0.12	0.37	0.32	0.19	–	0.17	-0.15	0.17	0.03	-0.12
21079590	OP	MC	6,651	0.50	0.20	0.19	0.11	0.50	–	0.33	-0.08	-0.18	-0.21	0.33
21079600	OP	MC	10,019	0.51	0.51	0.12	0.29	0.07	–	0.35	0.35	-0.13	-0.18	-0.20
21079610	OP	MC	11,066	0.40	0.26	0.16	0.40	0.18	–	0.31	-0.03	-0.19	0.31	-0.19
21079630	OP	MC	11,065	0.44	0.44	0.26	0.08	0.22	–	0.34	0.34	-0.17	-0.17	-0.11
21106470	OP	MC	11,334	0.56	0.11	0.56	0.13	0.20	–	0.32	-0.05	0.32	-0.15	-0.22
21106490	OP	MC	287	0.38	0.38	0.18	0.19	0.25	–	0.38	0.38	-0.15	-0.10	-0.20
21107020	OP	MC	26	0.35	0.23	0.23	0.35	0.19	–	0.20	-0.10	0.14	0.20	-0.28
21107040	OP	MC	13	0.54	0.54	0.23	0.23	–	–	0.17	0.17	-0.04	-0.16	–
21107050	OP	MC	1	1.00	1.00	–	–	–	–	–	–	–	–	–
21107070	OP	MC	3,590	0.59	0.59	0.07	0.25	0.09	–	0.34	0.34	-0.19	-0.16	-0.18
21108990	OP	MC	12,003	0.50	0.26	0.50	0.07	0.16	–	0.36	-0.17	0.36	-0.16	-0.18
11190270	FT	MC	1,164	0.26	0.22	0.27	0.26	0.26	–	0.10	-0.20	–	0.08	0.10
11190280	FT	MC	1,175	0.34	0.17	0.24	0.34	0.24	–	0.26	-0.18	-0.13	0.26	–
11190290	FT	MC	1,162	0.49	0.17	0.10	0.49	0.24	–	0.45	-0.17	-0.24	0.45	-0.21
11190310	FT	MC	1,165	0.53	0.53	0.09	0.12	0.26	–	0.27	0.27	-0.14	-0.18	-0.09
11190320	FT	MC	1,155	0.47	0.47	0.21	0.13	0.19	–	0.14	0.14	–	-0.11	-0.08
11190340	FT	MC	1,161	0.26	0.26	0.30	0.16	0.28	–	0.07	0.07	0.12	-0.25	0.02
11190360	FT	MC	1,158	0.51	0.51	0.22	0.18	0.09	–	0.30	0.30	-0.20	-0.02	-0.20
11192540	FT	MC	1,179	0.51	0.20	0.18	0.12	0.51	–	0.30	-0.02	-0.20	-0.20	0.30
11192550	FT	MC	1,170	0.28	0.17	0.28	0.37	0.18	–	0.10	-0.09	0.10	-0.14	0.14
11192560	FT	MC	1,151	0.47	0.16	0.13	0.47	0.24	–	0.32	-0.23	-0.20	0.32	-0.02
11192580	FT	MC	1,149	0.31	0.29	0.31	0.25	0.15	–	0.20	-0.07	0.20	-0.05	-0.12
11192600	FT	MC	1,152	0.41	0.34	0.10	0.41	0.15	–	0.32	-0.02	-0.25	0.32	-0.21
11192630	FT	MC	1,147	0.24	0.22	0.18	0.24	0.36	–	0.16	-0.07	-0.11	0.16	0.01
11192640	FT	MC	1,152	0.39	0.35	0.13	0.39	0.13	–	0.33	-0.14	-0.13	0.33	-0.14
11195980	FT	MC	2,478	0.63	0.20	0.06	0.11	0.63	–	0.47	-0.24	-0.22	-0.24	0.47
11196030	FT	MC	2,572	0.56	0.09	0.21	0.14	0.56	–	0.48	-0.32	-0.10	-0.30	0.48
11196110	FT	MC	1,226	0.49	0.22	0.06	0.49	0.23	–	0.41	-0.14	-0.26	0.41	-0.20
11196290	FT	MC	1,387	0.72	0.72	0.09	0.10	0.10	–	0.35	0.35	-0.13	-0.20	-0.21
11196300	FT	MC	2,475	0.66	0.14	0.66	0.08	0.11	–	0.36	-0.18	0.36	-0.22	-0.15
11196360	FT	MC	1,264	0.50	0.24	0.50	0.04	0.22	–	0.43	-0.15	0.43	-0.19	-0.27
11196410	FT	MC	1,245	0.62	0.10	0.14	0.14	0.62	–	0.40	-0.31	-0.15	-0.14	0.40

ELA Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11196430	FT	MC	1,898	0.83	0.83	0.05	0.02	0.09	–	0.45	0.45	-0.32	-0.21	-0.23
11196440	FT	MC	1,368	0.64	0.10	0.17	0.09	0.64	–	0.41	-0.34	-0.11	-0.19	0.41
11196450	FT	MC	1,315	0.65	0.16	0.65	0.08	0.11	–	0.53	-0.36	0.53	-0.16	-0.26
11196460	FT	MC	2,326	0.78	0.08	0.78	0.04	0.10	–	0.49	-0.34	0.49	-0.24	-0.21
11196510	FT	MC	1,293	0.75	0.08	0.11	0.75	0.06	–	0.43	-0.28	-0.16	0.43	-0.25
11196580	FT	MC	1,957	0.63	0.63	0.09	0.16	0.12	–	0.23	0.23	-0.12	-0.10	-0.12
11197110	FT	MC	1,404	0.32	0.07	0.09	0.52	0.32	–	0.08	-0.21	-0.26	0.18	0.08
11197130	FT	MC	1,269	0.59	0.59	0.15	0.03	0.23	–	0.46	0.46	-0.26	-0.21	-0.24
11197170	FT	MC	1,275	0.84	0.03	0.07	0.05	0.84	–	0.39	-0.25	-0.27	-0.13	0.39
11197230	FT	MC	1,240	0.66	0.07	0.15	0.66	0.11	–	0.17	-0.07	-0.01	0.17	-0.18
11197270	FT	MC	1,296	0.91	0.03	0.03	0.91	0.03	–	0.45	-0.24	-0.28	0.45	-0.23
11197280	FT	MC	1,266	0.67	0.02	0.30	0.67	0.01	–	0.55	-0.21	-0.47	0.55	-0.15
11216960	FT	MC	1,234	0.67	0.67	0.15	0.09	0.09	–	0.42	0.42	-0.27	-0.18	-0.18
11219140	FT	MC	1,168	0.44	0.32	0.13	0.12	0.44	–	0.33	-0.06	-0.19	-0.21	0.33
11219160	FT	MC	1,154	0.37	0.26	0.37	0.14	0.23	–	0.18	-0.07	0.18	-0.05	-0.10
11219230	FT	MC	1,154	0.67	0.67	0.14	0.09	0.10	–	0.43	0.43	-0.28	-0.16	-0.19
11219250	FT	MC	1,149	0.69	0.07	0.11	0.69	0.12	–	0.50	-0.23	-0.25	0.50	-0.28
11219280	FT	MC	1,154	0.51	0.51	0.17	0.18	0.14	–	0.32	0.32	-0.16	-0.09	-0.19
11219310	FT	MC	1,150	0.37	0.10	0.39	0.37	0.13	–	0.16	-0.19	0.10	0.16	-0.21
11219330	FT	MC	1,155	0.55	0.55	0.19	0.13	0.13	–	0.41	0.41	-0.13	-0.25	-0.21
11221260	FT	MC	1,165	0.28	0.21	0.33	0.28	0.18	–	0.07	-0.12	0.13	0.07	-0.11
11221290	FT	MC	1,161	0.53	0.53	0.13	0.13	0.20	–	0.32	0.32	-0.07	-0.26	-0.12
11221450	FT	MC	1,164	0.74	0.11	0.74	0.09	0.07	–	0.53	-0.24	0.53	-0.29	-0.30
11221660	FT	MC	1,156	0.67	0.67	0.08	0.08	0.16	–	0.42	0.42	-0.20	-0.21	-0.23
11222010	FT	MC	1,159	0.57	0.07	0.14	0.22	0.57	–	0.38	-0.21	-0.16	-0.19	0.38
11222060	FT	MC	1,163	0.47	0.29	0.10	0.47	0.15	–	0.29	-0.11	-0.19	0.29	-0.10
11222410	FT	MC	1,156	0.72	0.07	0.11	0.09	0.72	–	0.45	-0.23	-0.25	-0.22	0.45
11222570	FT	MC	1,157	0.56	0.56	0.08	0.15	0.21	–	0.38	0.38	-0.22	-0.23	-0.10
11227790	FT	MC	1,156	0.59	0.09	0.17	0.59	0.15	–	0.36	-0.08	-0.23	0.36	-0.19
11227820	FT	MC	1,164	0.38	0.10	0.22	0.31	0.38	–	0.44	-0.05	-0.21	-0.24	0.44
11227980	FT	MC	1,174	0.39	0.18	0.25	0.17	0.39	–	0.33	-0.17	-0.03	-0.22	0.33
11227990	FT	MC	1,174	0.36	0.17	0.18	0.36	0.30	–	0.24	-0.08	-0.08	0.24	-0.11
11228030	FT	MC	1,173	0.28	0.23	0.35	0.14	0.28	–	0.20	0.11	-0.07	-0.30	0.20

ELA Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21109490	FT	MC	1,156	0.33	0.18	0.36	0.33	0.13	–	0.31	-0.21	0.01	0.31	-0.21
21109500	FT	MC	1,156	0.42	0.42	0.24	0.17	0.17	–	0.32	0.32	-0.01	-0.23	-0.17
21096410	HL	Non-MC	23,875	0.58	0.21	0.43	0.36	–	–	0.59	-0.48	-0.10	0.50	–
21096460	OP	Non-MC	23,875	0.15	0.72	0.25	0.03	–	–	-0.10	0.12	-0.13	0.01	–
21107440	HL	Non-MC	23,875	0.45	0.28	0.55	0.17	–	–	0.46	-0.40	0.11	0.33	–
21107570	VL	Non-MC	1,335	0.27	0.66	0.14	0.21	–	–	0.18	-0.08	-0.22	0.27	–
21107620	HL	Non-MC	23,875	0.37	0.52	0.22	0.26	–	–	0.50	-0.45	0.07	0.45	–
21107660	OP	Non-MC	5,125	0.20	0.62	0.36	0.02	–	–	0.23	-0.20	0.15	0.16	–
21107680	VL	Non-MC	1,335	0.27	0.63	0.21	0.16	–	–	0.53	-0.50	0.21	0.42	–
21107690	OP	Non-MC	2,973	0.45	0.38	0.35	0.27	–	–	0.52	-0.47	0.07	0.43	–
21107760	VL	Non-MC	1,334	0.33	0.44	0.47	0.09	–	–	0.38	-0.42	0.35	0.11	–
21107800	HL	Non-MC	23,875	0.49	0.34	0.34	0.32	–	–	0.52	-0.48	0.06	0.43	–
21107810	OP	Non-MC	1,519	0.20	0.74	0.12	0.14	–	–	0.40	-0.35	0.05	0.40	–
21107820	HL	Non-MC	23,875	0.33	0.52	0.31	0.17	–	–	0.43	-0.41	0.18	0.31	–
21107830	OP	Non-MC	64	0.25	0.67	0.16	0.17	–	–	0.38	-0.22	-0.23	0.50	–
21107850	OP	Non-MC	14,194	0.39	0.52	0.19	0.29	–	–	0.46	-0.41	0.02	0.43	–
21108470	OP	Non-MC	23,875	0.46	0.40	0.28	0.32	–	–	0.39	-0.25	-0.18	0.44	–
21108500	HL	Non-MC	23,875	0.43	0.18	0.78	0.04	–	–	0.38	-0.33	0.20	0.23	–
11190300	FT	Non-MC	1,157	0.21	0.79	0.21	–	–	–	0.16	-0.16	0.16	–	–
11190330	FT	Non-MC	1,437	0.37	0.58	0.11	0.31	–	–	0.36	-0.29	-0.13	0.39	–
11190350	FT	Non-MC	1,159	0.29	0.71	0.29	–	–	–	0.49	-0.49	0.49	–	–
11190370	FT	Non-MC	1,159	0.38	0.62	0.38	–	–	–	0.42	-0.42	0.42	–	–
11190380	FT	Non-MC	1,442	0.25	0.63	0.24	0.13	–	–	0.25	-0.19	–	0.27	–
11190390	FT	Non-MC	1,160	0.29	0.71	0.29	–	–	–	0.48	-0.48	0.48	–	–
11192530	FT	Non-MC	1,439	0.40	0.49	0.21	0.29	–	–	0.38	-0.34	0.02	0.36	–
11192590	FT	Non-MC	1,159	0.01	0.99	0.01	–	–	–	0.07	-0.07	0.07	–	–
11192610	FT	Non-MC	1,435	0.33	0.54	0.27	0.19	–	–	0.30	-0.31	0.19	0.19	–
11192620	FT	Non-MC	1,442	0.30	0.65	0.11	0.25	–	–	0.47	-0.46	0.12	0.42	–
11192650	FT	Non-MC	1,171	0.14	0.86	0.14	–	–	–	0.32	-0.32	0.32	–	–
11192660	FT	Non-MC	1,420	0.22	0.56	0.44	–	–	–	0.12	-0.12	0.12	–	–
11195920	FT	Non-MC	1,468	0.40	0.38	0.45	0.17	–	–	0.52	-0.51	0.25	0.32	–
11195960	FT	Non-MC	1,458	0.50	0.27	0.45	0.28	–	–	0.37	-0.32	0.02	0.29	–
11196020	FT	Non-MC	1,483	0.18	0.78	0.08	0.14	–	–	0.33	-0.30	0.03	0.33	–

ELA Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11196050	FT	Non-MC	1,489	0.48	0.30	0.43	0.27	–	–	0.45	-0.39	0.04	0.36	–
11196160	FT	Non-MC	1,473	0.66	0.16	0.36	0.47	–	–	0.57	-0.40	-0.26	0.54	–
11196190	FT	Non-MC	1,881	0.63	0.37	0.63	–	–	–	0.42	-0.42	0.42	–	–
11196200	FT	Non-MC	1,935	0.43	0.31	0.53	0.16	–	–	0.40	-0.35	0.12	0.29	–
11196280	FT	Non-MC	1,469	0.58	0.14	0.57	0.29	–	–	0.44	-0.39	-0.03	0.32	–
11196340	FT	Non-MC	1,463	0.46	0.34	0.40	0.26	–	–	0.45	-0.37	0.01	0.39	–
11196590	FT	Non-MC	1,973	0.32	0.43	0.50	0.07	–	–	0.21	-0.17	0.07	0.18	–
11196920	FT	Non-MC	1,323	0.35	0.65	0.35	–	–	–	0.35	-0.35	0.35	–	–
11196960	FT	Non-MC	1,663	0.35	0.43	0.45	0.12	–	–	0.30	-0.22	0.02	0.30	–
11196970	FT	Non-MC	1,365	0.28	0.72	0.28	–	–	–	0.23	-0.23	0.23	–	–
11197030	FT	Non-MC	1,530	0.47	0.29	0.48	0.22	–	–	0.46	-0.33	-0.05	0.42	–
11197050	FT	Non-MC	1,439	0.60	0.40	0.60	–	–	–	0.56	-0.56	0.56	–	–
11197080	FT	Non-MC	1,459	0.63	0.16	0.42	0.42	–	–	0.51	-0.34	-0.24	0.49	–
11197200	FT	Non-MC	1,321	0.54	0.46	0.54	–	–	–	0.16	-0.16	0.16	–	–
11197300	FT	Non-MC	1,516	0.81	0.19	0.81	–	–	–	0.38	-0.38	0.38	–	–
11197310	FT	Non-MC	1,267	0.47	0.53	0.47	–	–	–	0.36	-0.36	0.36	–	–
11219260	FT	Non-MC	1,437	0.54	0.37	0.17	0.46	–	–	0.49	-0.40	-0.17	0.52	–
11219270	FT	Non-MC	1,154	0.41	0.59	0.41	–	–	–	0.38	-0.38	0.38	–	–
11219290	FT	Non-MC	1,155	0.50	0.50	0.50	–	–	–	0.49	-0.49	0.49	–	–
11219300	FT	Non-MC	1,440	0.53	0.40	0.14	0.45	–	–	0.58	-0.49	-0.17	0.60	–
11219340	FT	Non-MC	1,158	0.28	0.72	0.28	–	–	–	0.41	-0.41	0.41	–	–
11221340	FT	Non-MC	1,160	0.47	0.53	0.47	–	–	–	0.50	-0.50	0.50	–	–
11221590	FT	Non-MC	1,164	0.49	0.51	0.49	–	–	–	0.53	-0.53	0.53	–	–
11221710	FT	Non-MC	1,159	0.61	0.39	0.61	–	–	–	0.28	-0.28	0.28	–	–
11221930	FT	Non-MC	1,441	0.18	0.77	0.10	0.13	–	–	0.09	-0.06	-0.05	0.11	–
11227770	FT	Non-MC	1,447	0.65	0.21	0.28	0.51	–	–	0.57	-0.51	-0.08	0.49	–
11227780	FT	Non-MC	1,159	0.48	0.52	0.48	–	–	–	0.33	-0.33	0.33	–	–
11227800	FT	Non-MC	1,437	0.64	0.27	0.18	0.55	–	–	0.58	-0.45	-0.25	0.60	–
11227810	FT	Non-MC	1,161	0.43	0.57	0.43	–	–	–	0.54	-0.54	0.54	–	–
11227830	FT	Non-MC	1,156	0.35	0.65	0.35	–	–	–	0.51	-0.51	0.51	–	–
11227850	FT	Non-MC	1,154	0.05	0.95	0.05	–	–	–	0.22	-0.22	0.22	–	–
11227860	FT	Non-MC	1,443	0.45	0.42	0.25	0.33	–	–	0.54	-0.43	-0.08	0.53	–
11227940	FT	Non-MC	1,442	0.70	0.22	0.15	0.62	–	–	0.51	-0.48	-0.07	0.46	–

ELA Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11227950	FT	Non-MC	1,442	0.35	0.55	0.19	0.26	–	–	0.40	-0.34	–	0.39	–
11227970	FT	Non-MC	1,450	0.37	0.50	0.26	0.24	–	–	0.37	-0.34	0.07	0.32	–
11228000	FT	Non-MC	1,152	0.58	0.42	0.58	–	–	–	0.37	-0.37	0.37	–	–
11228010	FT	Non-MC	1,156	0.50	0.50	0.50	–	–	–	0.39	-0.39	0.39	–	–
11228020	FT	Non-MC	1,162	0.50	0.50	0.50	–	–	–	0.35	-0.35	0.35	–	–
21109470	FT	Non-MC	1,156	0.20	0.80	0.20	–	–	–	0.45	-0.45	0.45	–	–
21109480	FT	Non-MC	1,156	0.20	0.80	0.20	–	–	–	0.40	-0.40	0.40	–	–

Table F.2. Classical Item-Level Statistics—ELA Grade 4

ELA Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11191980	OP	MC	7,184	0.41	0.41	0.18	0.20	0.21	–	0.19	0.19	-0.04	-0.12	-0.07
11191990	OP	MC	1,173	0.30	0.32	0.30	0.21	0.17	–	0.25	0.01	0.25	-0.10	-0.21
21048510	HL	MC	11,531	0.52	0.24	0.13	0.11	0.52	–	0.36	-0.13	-0.16	-0.22	0.36
21048520	HL	MC	23,872	0.47	0.19	0.47	0.17	0.18	–	0.38	-0.24	0.38	-0.13	-0.12
21048530	HL	MC	11,531	0.78	0.08	0.09	0.78	0.04	–	0.44	-0.27	-0.27	0.44	-0.15
21048560	HL	MC	23,872	0.58	0.16	0.58	0.15	0.11	–	0.44	-0.28	0.44	-0.12	-0.22
21048580	OP	MC	10,182	0.40	0.40	0.23	0.25	0.12	–	0.26	0.26	-0.13	-0.04	-0.16
21048600	OP	MC	2,158	0.52	0.13	0.52	0.22	0.13	–	0.38	-0.17	0.38	-0.20	-0.14
21048610	HL	MC	23,872	0.57	0.17	0.17	0.57	0.09	–	0.40	-0.16	-0.22	0.40	-0.18
21048630	VL	MC	1,277	0.70	0.08	0.12	0.70	0.10	–	0.35	-0.23	-0.06	0.35	-0.26
21048650	VL	MC	1,261	0.67	0.19	0.09	0.67	0.05	–	0.40	-0.27	-0.16	0.40	-0.18
21056220	OP	MC	1	1.00	–	–	–	1.00	–	–	–	–	–	–
21056230	OP	MC	70	0.20	0.26	0.19	0.20	0.36	–	0.36	-0.23	-0.10	0.36	-0.01
21056250	OP	MC	119	0.25	0.22	0.25	0.36	0.17	–	0.23	0.01	0.23	-0.15	-0.08
21056260	OP	MC	139	0.30	0.30	0.25	0.24	0.20	–	0.07	0.07	-0.05	0.07	-0.10
21056280	OP	MC	206	0.38	0.13	0.38	0.03	0.46	–	0.39	-0.15	0.39	-0.07	-0.26
21056300	OP	MC	538	0.39	0.30	0.17	0.14	0.39	–	0.29	-0.11	-0.14	-0.12	0.29
21056340	OP	MC	302	0.29	0.22	0.27	0.22	0.29	–	0.29	-0.05	-0.14	-0.11	0.29
21056380	OP	MC	165	0.34	0.34	0.19	0.27	0.20	–	0.20	0.20	-0.11	0.01	-0.14
21056390	OP	MC	585	0.33	0.21	0.24	0.23	0.33	–	0.28	-0.10	-0.08	-0.14	0.28

ELA Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21056400	OP	MC	40	0.28	0.35	0.10	0.28	0.28	–	0.03	0.07	-0.11	0.03	-0.03
21056420	OP	MC	541	0.31	0.21	0.31	0.28	0.19	–	0.32	-0.18	0.32	-0.12	-0.06
21056440	OP	MC	1,035	0.53	0.17	0.11	0.53	0.19	–	0.35	-0.19	-0.20	0.35	-0.12
21056450	OP	MC	1,337	0.53	0.11	0.28	0.08	0.53	–	0.30	-0.18	-0.12	-0.16	0.30
21056460	OP	MC	754	0.22	0.18	0.22	0.50	0.09	–	0.28	-0.14	0.28	-0.07	-0.10
21056470	OP	MC	1,313	0.30	0.34	0.18	0.19	0.30	–	0.23	-0.03	-0.13	-0.10	0.23
21056590	OP	MC	2,590	0.34	0.28	0.34	0.16	0.22	–	0.24	-0.15	0.24	-0.12	–
21056600	OP	MC	3,219	0.30	0.23	0.23	0.30	0.24	–	0.15	-0.02	-0.01	0.15	-0.14
21056610	OP	MC	1,496	0.34	0.21	0.23	0.34	0.22	–	0.26	-0.05	-0.06	0.26	-0.19
21056620	OP	MC	952	0.44	0.44	0.17	0.27	0.12	–	0.33	0.33	-0.14	-0.14	-0.14
21056630	OP	MC	1,225	0.26	0.10	0.40	0.24	0.26	–	0.24	-0.11	-0.08	-0.08	0.24
21056640	OP	MC	379	0.25	0.25	0.23	0.21	0.31	–	0.24	0.24	0.01	-0.04	-0.21
21056670	OP	MC	5	–	0.80	0.20	–	–	–	–	0.34	-0.34	–	–
21056710	OP	MC	5	0.20	0.20	0.20	0.60	–	–	0.89	-0.34	0.89	-0.45	–
21056730	OP	MC	5	0.20	0.20	0.40	0.20	0.20	–	-0.09	0.89	-0.74	0.11	-0.09
21056740	OP	MC	5	0.40	0.40	–	0.20	0.40	–	0.81	0.81	–	-0.57	-0.35
21057010	OP	MC	43	0.30	0.30	0.30	0.23	0.16	–	0.57	0.57	-0.19	-0.26	-0.17
21057020	OP	MC	23	0.35	0.35	0.30	0.22	0.13	–	0.24	0.24	-0.08	0.15	-0.42
21057030	OP	MC	12	0.58	0.17	–	0.58	0.25	–	0.39	-0.47	–	0.39	-0.03
21057040	OP	MC	59	0.19	0.19	0.24	0.37	0.20	–	0.32	0.32	-0.16	-0.19	0.09
21057050	OP	MC	70	0.34	0.34	0.17	0.27	0.21	–	0.39	0.39	-0.13	-0.25	-0.06
21057080	OP	MC	8	0.50	–	0.13	0.38	0.50	–	0.70	–	-0.02	-0.71	0.70
21057090	OP	MC	54	0.39	0.24	0.39	0.22	0.15	–	0.29	-0.10	0.29	-0.22	-0.02
21057100	OP	MC	59	0.47	0.47	0.19	0.20	0.14	–	0.37	0.37	-0.26	-0.21	–
21057130	OP	MC	38	0.45	0.13	0.24	0.45	0.18	–	0.14	0.17	-0.20	0.14	-0.10
21057140	OP	MC	3	0.67	–	–	0.67	0.33	–	0.05	–	–	0.05	-0.05
21057150	OP	MC	21	0.29	0.29	0.29	0.24	0.19	–	0.05	-0.29	0.05	-0.15	0.44
21057160	OP	MC	23	0.35	0.35	0.17	0.09	0.39	–	0.40	0.40	0.04	0.10	-0.48
21057170	OP	MC	70	0.46	0.14	0.19	0.21	0.46	–	0.34	-0.16	-0.19	-0.10	0.34
21057180	OP	MC	52	0.56	0.12	0.56	0.23	0.10	–	0.39	-0.09	0.39	-0.12	-0.39
21057190	OP	MC	61	0.33	0.18	0.33	0.36	0.13	–	0.48	-0.07	0.48	-0.24	-0.25
21057200	OP	MC	31	0.35	0.23	0.35	0.26	0.16	–	0.44	-0.32	0.44	-0.27	0.11
21057210	OP	MC	27	0.33	0.33	0.26	0.33	0.07	–	-0.04	-0.20	0.19	-0.04	0.10

ELA Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21057220	OP	MC	148	0.32	0.41	0.14	0.14	0.32	–	0.11	-0.03	-0.11	–	0.11
21057230	OP	MC	224	0.31	0.31	0.26	0.21	0.21	–	0.26	0.26	-0.04	-0.19	-0.06
21057240	OP	MC	28	0.21	0.25	0.21	0.36	0.18	–	0.37	-0.04	0.37	0.12	-0.50
21057250	OP	MC	79	0.29	0.35	0.24	0.11	0.29	–	0.14	0.03	-0.06	-0.17	0.14
21057260	OP	MC	61	0.28	0.30	0.23	0.28	0.20	–	0.22	-0.06	-0.20	0.22	0.03
21057270	OP	MC	62	0.37	0.24	0.37	0.21	0.18	–	0.37	-0.17	0.37	-0.18	-0.09
21057290	OP	MC	296	0.42	0.13	0.17	0.28	0.42	–	0.22	-0.09	-0.17	-0.04	0.22
21057300	OP	MC	259	0.35	0.35	0.13	0.28	0.24	–	0.18	0.18	-0.15	-0.09	0.02
21057310	OP	MC	186	0.44	0.20	0.24	0.12	0.44	–	0.17	0.02	-0.09	-0.17	0.17
21057340	OP	MC	202	0.41	0.17	0.27	0.41	0.15	–	0.30	-0.08	-0.20	0.30	-0.09
21057360	OP	MC	16	0.44	0.19	0.44	–	0.38	–	0.27	0.16	0.27	–	-0.41
21057390	OP	MC	288	0.33	0.23	0.20	0.24	0.33	–	0.14	0.03	–	-0.18	0.14
21057400	OP	MC	508	0.44	0.23	0.44	0.14	0.19	–	0.18	0.01	0.18	-0.18	-0.08
21057410	OP	MC	810	0.46	0.46	0.39	0.06	0.09	–	0.28	0.28	-0.14	-0.12	-0.16
21057420	OP	MC	185	0.32	0.15	0.30	0.32	0.22	–	0.35	-0.25	-0.08	0.35	-0.09
21057430	OP	MC	55	0.38	0.38	0.33	0.22	0.07	–	0.45	0.45	-0.14	-0.30	-0.11
21057440	OP	MC	162	0.28	0.26	0.23	0.28	0.23	–	0.30	-0.12	-0.09	0.30	-0.11
21057450	OP	MC	780	0.26	0.44	0.26	0.15	0.15	–	0.23	0.04	0.23	-0.17	-0.17
21057470	OP	MC	30	0.30	0.20	0.33	0.17	0.30	–	0.33	-0.02	0.18	-0.61	0.33
21057480	OP	MC	688	0.37	0.37	0.18	0.26	0.19	–	0.17	0.17	-0.14	0.03	-0.10
21057490	OP	MC	1,094	0.44	0.16	0.44	0.12	0.28	–	0.28	-0.14	0.28	-0.11	-0.12
21057500	OP	MC	26	0.42	0.19	0.12	0.27	0.42	–	0.37	-0.28	-0.07	-0.11	0.37
21057510	OP	MC	75	0.25	0.12	0.25	0.27	0.36	–	0.34	-0.01	0.34	-0.05	-0.25
21057520	OP	MC	1,205	0.43	0.23	0.15	0.43	0.19	–	0.29	-0.08	-0.16	0.29	-0.14
21057540	OP	MC	780	0.30	0.09	0.21	0.30	0.40	–	0.12	-0.07	0.02	0.12	-0.09
21057550	OP	MC	242	0.31	0.30	0.31	0.21	0.19	–	0.31	0.08	0.31	-0.26	-0.19
21057560	OP	MC	61	0.33	0.13	0.31	0.23	0.33	–	0.39	0.04	-0.23	-0.22	0.39
21057570	OP	MC	253	0.34	0.34	0.19	0.23	0.25	–	0.13	0.13	-0.09	0.07	-0.13
21057580	OP	MC	46	0.30	0.26	0.30	0.22	0.22	–	0.21	0.17	0.21	-0.33	-0.09
21057590	OP	MC	1,227	0.25	0.25	0.30	0.18	0.28	–	0.23	0.23	-0.10	-0.14	-0.01
21057600	OP	MC	850	0.25	0.27	0.23	0.25	0.25	–	0.18	-0.10	-0.02	-0.06	0.18
21057610	OP	MC	1	–	–	1.00	–	–	–	–	–	–	–	–
21057620	OP	MC	835	0.42	0.19	0.18	0.42	0.21	–	0.24	-0.13	-0.17	0.24	–

ELA Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21057630	OP	MC	1,144	0.54	0.10	0.16	0.54	0.20	–	0.36	-0.17	-0.20	0.36	-0.15
21057640	OP	MC	1,425	0.35	0.22	0.25	0.18	0.35	–	0.24	-0.10	-0.08	-0.11	0.24
21057650	OP	MC	637	0.38	0.16	0.38	0.21	0.25	–	0.26	-0.09	0.26	-0.07	-0.15
21057660	OP	MC	109	0.20	0.20	0.18	0.30	0.31	–	0.21	0.21	-0.11	-0.05	-0.04
21057670	OP	MC	420	0.32	0.14	0.32	0.12	0.42	–	0.30	-0.09	0.30	-0.11	-0.15
21057680	OP	MC	1	–	–	1.00	–	–	–	–	–	–	–	–
21057690	OP	MC	1	1.00	–	–	1.00	–	–	–	–	–	–	–
21057740	OP	MC	2	1.00	–	–	–	1.00	–	–	–	–	–	–
21057770	OP	MC	2	–	0.50	–	0.50	–	–	–	1.00	–	-1.00	–
21057790	OP	MC	2	0.50	–	0.50	0.50	–	–	1.00	–	-1.00	1.00	–
21057810	OP	MC	16	0.13	0.13	0.31	0.31	0.25	–	0.36	0.36	0.25	-0.01	-0.53
21057820	OP	MC	12	0.58	0.17	–	0.58	0.25	–	0.27	-0.14	–	0.27	-0.18
21057830	OP	MC	207	0.39	0.15	0.39	0.21	0.25	–	0.40	-0.14	0.40	-0.15	-0.19
21057840	OP	MC	15	0.33	0.40	0.33	0.07	0.20	–	0.62	-0.25	0.62	-0.26	-0.27
21057850	OP	MC	1	–	–	–	–	1.00	–	–	–	–	–	–
21057870	OP	MC	1,222	0.47	0.21	0.10	0.47	0.22	–	0.27	-0.11	-0.09	0.27	-0.15
21057880	OP	MC	1	–	1.00	–	–	–	–	–	–	–	–	–
21057890	OP	MC	1	–	–	–	–	1.00	–	–	–	–	–	–
21057910	OP	MC	12	0.50	0.25	0.08	0.50	0.17	–	-0.07	0.49	-0.58	-0.07	-0.04
21057920	OP	MC	396	0.41	0.27	0.17	0.41	0.15	–	0.35	-0.11	-0.21	0.35	-0.14
21057930	OP	MC	2	0.50	0.50	–	–	0.50	–	1.00	-1.00	–	–	1.00
21057940	OP	MC	1	1.00	1.00	–	–	–	–	–	–	–	–	–
21057960	OP	MC	1,254	0.26	0.26	0.20	0.30	0.24	–	0.29	0.29	-0.09	-0.08	-0.14
21057970	OP	MC	396	0.50	0.32	0.13	0.04	0.50	–	0.36	-0.23	-0.10	-0.21	0.36
21057980	OP	MC	1	–	–	–	1.00	–	–	–	–	–	–	–
21058000	OP	MC	396	0.30	0.29	0.22	0.30	0.19	–	0.34	-0.08	-0.22	0.34	-0.08
21058030	OP	MC	1	1.00	–	–	–	1.00	–	–	–	–	–	–
21058040	OP	MC	1	1.00	1.00	–	–	–	–	–	–	–	–	–
21058060	OP	MC	381	0.51	0.17	0.13	0.51	0.20	–	0.32	-0.02	-0.14	0.32	-0.26
21058070	OP	MC	344	0.41	0.41	0.17	0.19	0.22	–	0.37	0.37	-0.24	-0.09	-0.13
21058080	OP	MC	173	0.39	0.18	0.39	0.24	0.19	–	0.45	-0.26	0.45	-0.15	-0.15
21058100	OP	MC	348	0.37	0.21	0.37	0.18	0.24	–	0.28	-0.06	0.28	-0.18	-0.10
21058110	OP	MC	396	0.52	0.12	0.22	0.14	0.52	–	0.30	-0.09	-0.20	-0.11	0.30

ELA Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21058120	OP	MC	160	0.33	0.33	0.26	0.17	0.24	–	0.23	0.23	-0.04	-0.16	-0.07
21058130	OP	MC	174	0.37	0.17	0.37	0.23	0.23	–	0.30	0.09	0.30	-0.19	-0.23
21058160	OP	MC	8	0.25	0.13	0.25	0.63	–	–	0.45	-0.34	0.45	-0.17	–
21058170	OP	MC	204	0.39	0.39	0.22	0.23	0.17	–	0.24	0.24	-0.01	-0.25	-0.02
21058220	OP	MC	771	0.39	0.13	0.23	0.25	0.39	–	0.24	-0.07	-0.06	-0.16	0.24
21058230	OP	MC	527	0.39	0.17	0.39	0.25	0.18	–	0.34	-0.12	0.34	-0.15	-0.15
21058260	OP	MC	558	0.35	0.24	0.23	0.35	0.18	–	0.29	-0.13	-0.08	0.29	-0.13
21058270	OP	MC	228	0.29	0.21	0.21	0.29	0.29	–	0.33	-0.04	-0.26	-0.07	0.33
21058280	OP	MC	771	0.41	0.15	0.22	0.41	0.22	–	0.19	-0.09	-0.06	0.19	-0.10
21058290	OP	MC	220	0.27	0.19	0.27	0.22	0.32	–	0.33	-0.11	0.33	-0.10	-0.14
21058310	OP	MC	5	0.20	0.20	–	0.60	0.20	–	-0.69	0.80	–	-0.09	-0.69
21058320	OP	MC	2	0.50	0.50	–	0.50	–	–	1.00	-1.00	–	1.00	–
21058330	OP	MC	3	0.33	–	0.33	0.33	0.33	–	0.90	–	0.90	-0.07	-0.83
21058350	OP	MC	3	–	–	0.33	0.33	0.33	–	–	–	0.90	-0.07	-0.83
21058380	OP	MC	5	0.40	0.20	–	0.40	0.40	–	0.75	-0.33	–	0.75	-0.48
21058390	OP	MC	81	0.37	0.23	0.21	0.37	0.19	–	0.35	-0.24	0.04	0.35	-0.21
21058400	OP	MC	2,162	0.54	0.54	0.17	0.13	0.15	–	0.38	0.38	-0.09	-0.24	-0.21
21058410	OP	MC	913	0.44	0.09	0.33	0.44	0.14	–	0.35	-0.14	-0.15	0.35	-0.18
21058430	OP	MC	2,326	0.48	0.17	0.14	0.21	0.48	–	0.32	-0.11	-0.17	-0.15	0.32
21058440	OP	MC	666	0.38	0.20	0.14	0.38	0.27	–	0.39	-0.18	-0.12	0.39	-0.17
21058450	OP	MC	1,492	0.53	0.53	0.16	0.18	0.12	–	0.37	0.37	-0.16	-0.16	-0.21
21058460	OP	MC	2,439	0.47	0.14	0.47	0.21	0.18	–	0.34	-0.16	0.34	-0.10	-0.19
21058470	OP	MC	914	0.32	0.13	0.27	0.29	0.32	–	0.31	-0.15	-0.09	-0.13	0.31
21058500	OP	MC	2	1.00	1.00	–	–	–	–	–	–	–	–	–
21058510	OP	MC	106	0.31	0.19	0.34	0.16	0.31	–	0.39	-0.18	-0.02	-0.27	0.39
21058520	OP	MC	917	0.42	0.14	0.23	0.42	0.21	–	0.40	-0.14	-0.19	0.40	-0.17
21058530	OP	MC	1	1.00	–	1.00	–	–	–	–	–	–	–	–
21058540	OP	MC	917	0.50	0.22	0.24	0.50	0.05	–	0.39	-0.20	-0.17	0.39	-0.19
21058550	OP	MC	6	0.67	0.67	–	0.33	–	–	0.36	0.36	–	-0.36	–
21058580	OP	MC	35	0.40	0.40	0.26	0.26	0.09	–	0.38	0.38	-0.32	0.14	-0.38
21058590	OP	MC	14	0.50	0.07	0.29	0.14	0.50	–	0.02	0.58	-0.18	-0.21	0.02
21058600	OP	MC	14	0.50	0.14	0.29	0.50	0.07	–	0.25	-0.13	-0.10	0.25	-0.14
21058610	OP	MC	21	0.62	0.62	–	0.24	0.14	–	0.36	0.36	–	-0.45	0.05

ELA Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21058620	OP	MC	44	0.66	0.16	0.66	0.11	0.07	–	0.23	0.04	0.23	-0.26	-0.15
21058630	OP	MC	38	0.42	0.24	0.18	0.42	0.16	–	0.36	0.02	-0.30	0.36	-0.20
21058680	OP	MC	15	0.53	0.13	0.53	0.20	0.13	–	0.09	-0.45	0.09	-0.09	0.41
21058690	OP	MC	1,661	0.32	0.12	0.41	0.14	0.32	–	0.22	-0.18	0.05	-0.19	0.22
21058700	OP	MC	245	0.58	0.04	0.08	0.58	0.30	–	0.42	-0.05	-0.16	0.42	-0.34
21058710	OP	MC	191	0.36	0.22	0.36	0.23	0.19	–	0.35	-0.09	0.35	-0.07	-0.26
21058720	OP	MC	387	0.42	0.42	0.16	0.16	0.25	–	0.30	0.30	-0.14	-0.07	-0.17
21058730	OP	MC	120	0.48	0.12	0.20	0.20	0.48	–	0.33	-0.12	-0.20	-0.12	0.33
21058740	OP	MC	6	0.83	0.17	–	0.83	–	–	0.42	-0.42	–	0.42	–
21058760	OP	MC	8	0.50	0.13	0.13	0.50	0.25	–	0.53	0.29	-0.57	0.53	-0.40
21058770	OP	MC	113	0.51	0.07	0.12	0.29	0.51	–	0.37	-0.10	-0.29	-0.15	0.37
21058780	OP	MC	136	0.42	0.31	0.42	0.20	0.07	–	0.27	-0.16	0.27	-0.12	-0.03
21058790	OP	MC	89	0.35	0.25	0.35	0.17	0.24	–	0.39	-0.17	0.39	-0.28	-0.02
21058800	OP	MC	39	0.21	0.38	0.21	0.15	0.26	–	0.16	0.13	0.16	-0.16	-0.17
21071610	OP	MC	3,561	0.53	0.27	0.53	0.08	0.12	–	0.37	-0.12	0.37	-0.17	-0.26
21071620	HL	MC	11,531	0.69	0.03	0.08	0.69	0.20	–	0.41	-0.19	-0.26	0.41	-0.21
21071630	HL	MC	11,531	0.32	0.32	0.07	0.29	0.31	–	0.28	0.28	-0.22	0.04	-0.20
21071640	HL	MC	11,531	0.67	0.13	0.13	0.67	0.07	–	0.45	-0.29	-0.17	0.45	-0.22
21071670	OP	MC	2,439	0.54	0.12	0.17	0.18	0.54	–	0.41	-0.16	-0.21	-0.19	0.41
21071680	OP	MC	4,099	0.40	0.15	0.10	0.40	0.34	–	0.32	-0.14	-0.15	0.32	-0.12
21071730	OP	MC	3,631	0.57	0.57	0.15	0.22	0.06	–	0.44	0.44	-0.20	-0.27	-0.14
21071790	OP	MC	3,311	0.50	0.09	0.17	0.25	0.50	–	0.24	-0.11	-0.17	-0.05	0.24
21071810	OP	MC	1,959	0.86	0.11	0.86	0.02	0.01	–	0.17	-0.11	0.17	-0.12	-0.07
21071820	OP	MC	5,019	0.62	0.62	0.02	0.26	0.10	–	0.29	0.29	-0.13	-0.22	-0.09
21071830	OP	MC	683	0.56	0.23	0.56	0.11	0.10	–	0.39	-0.24	0.39	-0.17	-0.13
21071840	OP	MC	4,399	0.52	0.04	0.22	0.22	0.52	–	0.33	-0.15	-0.17	-0.15	0.33
21071850	OP	MC	15,644	0.53	0.30	0.05	0.12	0.53	–	0.28	-0.14	-0.05	-0.20	0.28
21071860	OP	MC	4,989	0.66	0.08	0.66	0.06	0.20	–	0.31	-0.08	0.31	-0.19	-0.20
21071880	HL	MC	23,873	0.59	0.59	0.04	0.33	0.04	–	0.39	0.39	-0.17	-0.26	-0.21
21071890	HL	MC	23,873	0.67	0.15	0.67	0.07	0.10	–	0.40	-0.13	0.40	-0.18	-0.32
21071900	OP	MC	17	0.47	0.18	0.18	0.47	0.18	–	0.46	-0.08	-0.27	0.46	-0.25
21071910	OP	MC	2,391	0.51	0.15	0.16	0.17	0.51	–	0.29	-0.18	-0.15	-0.07	0.29
21071920	HL	MC	23,873	0.57	0.30	0.57	0.09	0.04	–	0.32	-0.10	0.32	-0.23	-0.23

ELA Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21071930	OP	MC	3,942	0.53	0.12	0.09	0.26	0.53	–	0.28	-0.15	-0.11	-0.14	0.28
21071940	HL	MC	23,873	0.63	0.23	0.63	0.05	0.09	–	0.47	-0.31	0.47	-0.19	-0.20
21071950	OP	MC	10,439	0.46	0.16	0.32	0.06	0.46	–	0.32	-0.19	-0.09	-0.19	0.32
21071960	OP	MC	419	0.56	0.56	0.14	0.14	0.17	–	0.31	0.31	-0.20	-0.09	-0.15
21071970	OP	MC	10,531	0.56	0.14	0.17	0.56	0.13	–	0.44	-0.17	-0.20	0.44	-0.24
21071980	OP	MC	3,926	0.39	0.25	0.18	0.39	0.18	–	0.27	–	-0.14	0.27	-0.20
21071990	OP	MC	5,084	0.70	0.02	0.70	0.18	0.10	–	0.33	-0.15	0.33	-0.19	-0.19
21072000	OP	MC	2,823	0.43	0.08	0.38	0.12	0.43	–	0.37	-0.15	-0.21	-0.12	0.37
21072010	OP	MC	4,224	0.16	0.16	0.17	0.03	0.64	–	0.10	0.10	-0.07	-0.08	–
21072020	OP	MC	7,763	0.65	0.05	0.16	0.15	0.65	–	0.41	-0.19	-0.24	-0.19	0.41
21072030	VL	MC	1,396	0.60	0.19	0.13	0.08	0.60	–	0.41	-0.19	-0.25	-0.17	0.41
21072040	VL	MC	1,396	0.47	0.47	0.12	0.33	0.07	–	0.30	0.30	-0.16	-0.08	-0.24
21072050	VL	MC	1,396	0.47	0.16	0.47	0.29	0.08	–	0.21	-0.05	0.21	-0.10	-0.17
21072060	VL	MC	1,396	0.46	0.22	0.46	0.09	0.23	–	0.24	-0.18	0.24	-0.19	0.03
21072080	VL	MC	1,396	0.65	0.03	0.26	0.06	0.65	–	0.43	-0.22	-0.25	-0.23	0.43
21072090	OP	MC	5,570	0.67	0.14	0.67	0.09	0.11	–	0.31	-0.13	0.31	-0.17	-0.17
21072100	OP	MC	5,550	0.59	0.08	0.15	0.18	0.59	–	0.31	-0.19	-0.21	-0.07	0.31
21072280	VL	MC	1,261	0.48	0.27	0.48	0.16	0.09	–	0.35	-0.18	0.35	-0.12	-0.19
21072380	VL	MC	1,261	0.82	0.07	0.82	0.04	0.07	–	0.42	-0.26	0.42	-0.24	-0.19
21072500	VL	MC	1,261	0.92	0.02	0.03	0.92	0.03	–	0.38	-0.20	-0.23	0.38	-0.21
21072530	VL	MC	1,261	0.66	0.13	0.15	0.06	0.66	–	0.39	-0.09	-0.24	-0.31	0.39
21072600	VL	MC	1,277	0.65	0.05	0.65	0.06	0.25	–	0.34	-0.22	0.34	-0.25	-0.13
21072610	VL	MC	1,277	0.66	0.13	0.15	0.05	0.66	–	0.44	-0.26	-0.17	-0.27	0.44
21072620	VL	MC	1,277	0.85	0.04	0.06	0.85	0.05	–	0.43	-0.23	-0.23	0.43	-0.25
21072630	VL	MC	1,277	0.70	0.16	0.70	0.11	0.04	–	0.45	-0.21	0.45	-0.25	-0.26
21072660	HL	MC	23,872	0.46	0.20	0.23	0.46	0.11	–	0.35	-0.12	-0.09	0.35	-0.28
21072670	HL	MC	23,873	0.60	0.60	0.13	0.15	0.12	–	0.51	0.51	-0.27	-0.28	-0.19
21072700	HL	MC	23,872	0.32	0.17	0.12	0.32	0.39	–	0.28	-0.16	-0.27	0.28	0.03
21072730	HL	MC	23,873	0.67	0.10	0.12	0.12	0.67	–	0.51	-0.23	-0.26	-0.28	0.51
21072740	HL	MC	23,873	0.60	0.11	0.13	0.16	0.60	–	0.46	-0.20	-0.26	-0.20	0.46
21072770	OP	MC	5	0.60	–	0.60	–	0.40	–	0.37	–	0.37	–	-0.37
21072780	HL	MC	12,342	0.80	0.07	0.11	0.03	0.80	–	0.42	-0.25	-0.24	-0.22	0.42
21072800	HL	MC	12,342	0.80	0.06	0.11	0.80	0.02	–	0.53	-0.30	-0.35	0.53	-0.21

ELA Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21072830	HL	MC	12,342	0.60	0.60	0.04	0.02	0.34	–	0.44	0.44	-0.24	-0.23	-0.28
21072840	HL	MC	12,342	0.54	0.54	0.17	0.09	0.19	–	0.39	0.39	-0.25	-0.24	-0.09
21072870	OP	MC	966	0.57	0.17	0.57	0.14	0.12	–	0.45	-0.20	0.45	-0.20	-0.24
21072880	HL	MC	12,342	0.68	0.10	0.11	0.10	0.68	–	0.47	-0.19	-0.28	-0.23	0.47
21072920	VL	MC	1,270	0.44	0.12	0.44	0.35	0.09	–	0.41	-0.13	0.41	-0.24	-0.15
21072970	VL	MC	1,270	0.60	0.60	0.14	0.07	0.20	–	0.32	0.32	-0.22	-0.23	-0.05
21073000	VL	MC	1,270	0.72	0.10	0.13	0.72	0.05	–	0.40	-0.26	-0.16	0.40	-0.22
21073020	VL	MC	1,270	0.41	0.20	0.12	0.41	0.26	–	0.17	-0.10	-0.12	0.17	-0.02
21073160	OP	MC	7,071	0.49	0.39	0.03	0.49	0.08	–	0.31	-0.17	-0.16	0.31	-0.15
21073190	OP	MC	2,834	0.53	0.53	0.12	0.24	0.11	–	0.28	0.28	-0.16	-0.15	-0.07
21073200	OP	MC	2,500	0.48	0.26	0.48	0.05	0.20	–	0.27	-0.15	0.27	-0.07	-0.14
21073210	OP	MC	2,776	0.72	0.12	0.03	0.13	0.72	–	0.34	-0.24	-0.12	-0.16	0.34
21073220	OP	MC	26	0.85	0.85	0.12	0.04	–	–	0.47	0.47	-0.53	–	–
21073240	OP	MC	5,048	0.65	0.26	0.07	0.65	0.02	–	0.39	-0.28	-0.20	0.39	-0.09
21073250	OP	MC	85	0.79	0.04	0.79	0.04	0.14	–	0.27	-0.16	0.27	-0.17	-0.15
21073260	OP	MC	29	0.69	0.07	0.14	0.69	0.10	–	0.47	-0.33	-0.21	0.47	-0.20
21073290	OP	MC	8,845	0.54	0.21	0.54	0.10	0.15	–	0.32	-0.16	0.32	-0.21	-0.08
21073320	OP	MC	1,803	0.81	0.81	0.08	0.10	0.01	–	0.43	0.43	-0.20	-0.33	-0.14
21073340	OP	MC	2,851	0.43	0.40	0.06	0.43	0.11	–	0.21	-0.09	-0.20	0.21	-0.03
21073380	OP	MC	1,014	0.48	0.27	0.48	0.11	0.15	–	0.30	-0.16	0.30	-0.13	-0.11
21073400	OP	MC	3,021	0.46	0.46	0.13	0.19	0.21	–	0.27	0.27	-0.11	-0.14	-0.11
21073420	OP	MC	1,986	0.43	0.17	0.43	0.22	0.18	–	0.26	-0.05	0.26	-0.11	-0.16
21073470	OP	MC	125	0.70	0.70	0.08	0.18	0.05	–	0.38	0.38	-0.31	-0.13	-0.19
21073500	OP	MC	6,463	0.38	0.16	0.17	0.29	0.38	–	0.30	-0.16	-0.16	-0.07	0.30
21073530	OP	MC	879	0.51	0.18	0.11	0.51	0.21	–	0.34	-0.13	-0.21	0.34	-0.14
21078010	OP	MC	1	–	–	–	1.00	–	–	–	–	–	–	–
21078030	OP	MC	207	0.36	0.14	0.20	0.30	0.36	–	0.28	-0.06	-0.12	-0.14	0.28
21078230	OP	MC	249	0.27	0.27	0.25	0.24	0.25	–	0.30	0.30	–	-0.16	-0.16
21078250	OP	MC	1,611	0.66	0.27	0.03	0.04	0.66	–	0.33	-0.20	-0.19	-0.21	0.33
21078260	OP	MC	1,428	0.50	0.15	0.16	0.50	0.18	–	0.28	-0.15	-0.08	0.28	-0.15
21078290	OP	MC	12	0.33	0.58	–	0.08	0.33	–	-0.11	0.25	–	-0.25	-0.11
21078330	OP	MC	1	1.00	–	1.00	–	–	–	–	–	–	–	–
21078370	OP	MC	12	0.25	0.75	0.25	–	–	–	0.02	-0.02	0.02	–	–

ELA Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21078390	OP	MC	12	0.50	0.50	0.17	0.33	–	–	0.28	0.28	–	-0.30	–
21078440	OP	MC	17,340	0.52	0.06	0.26	0.16	0.52	–	0.19	-0.21	0.04	-0.18	0.19
21078470	OP	MC	322	0.84	0.06	0.84	0.01	0.09	–	0.25	-0.23	0.25	-0.12	-0.09
21078480	OP	MC	166	0.36	0.40	0.13	0.36	0.11	–	0.28	-0.27	–	0.28	-0.01
21078520	OP	MC	281	0.95	0.95	0.04	–	–	–	0.45	0.45	-0.32	-0.27	-0.27
21078530	OP	MC	272	0.98	–	0.98	0.01	0.01	–	0.59	-0.28	0.59	-0.36	-0.36
21078540	OP	MC	12	0.25	0.33	0.17	0.25	0.25	–	0.16	-0.59	0.34	0.16	0.19
21078570	OP	MC	1	1.00	–	1.00	–	–	–	–	–	–	–	–
21078580	OP	MC	240	0.56	0.16	0.18	0.10	0.56	–	0.44	-0.19	-0.18	-0.25	0.44
21078590	OP	MC	166	0.36	0.26	0.14	0.24	0.36	–	0.35	-0.22	-0.15	-0.04	0.35
21078600	OP	MC	430	0.35	0.21	0.35	0.20	0.25	–	0.28	-0.15	0.28	-0.20	0.02
21078610	OP	MC	13	0.54	0.08	0.38	0.54	–	–	0.65	-0.33	-0.49	0.65	–
21078620	OP	MC	12	0.17	0.17	0.42	0.17	0.25	–	0.24	-0.33	-0.46	0.24	0.59
21078630	OP	MC	392	0.37	0.15	0.23	0.25	0.37	–	0.29	-0.10	-0.13	-0.12	0.29
21078640	OP	MC	25	0.20	0.40	0.24	0.20	0.16	–	-0.14	-0.06	0.28	-0.14	-0.09
21078650	OP	MC	273	0.28	0.21	0.19	0.33	0.28	–	0.22	-0.15	-0.01	-0.06	0.22
21078670	OP	MC	1,440	0.57	0.16	0.18	0.57	0.09	–	0.33	-0.15	-0.15	0.33	-0.18
21078680	OP	MC	2,023	0.36	0.36	0.17	0.22	0.25	–	0.37	0.37	-0.09	-0.20	-0.14
21078690	OP	MC	1	–	–	–	1.00	–	–	–	–	–	–	–
21078700	OP	MC	1,450	0.75	0.15	0.08	0.75	0.02	–	0.24	-0.15	-0.13	0.24	-0.11
21078710	OP	MC	3,038	0.35	0.35	0.20	0.22	0.24	–	0.31	0.31	-0.12	-0.11	-0.13
21078720	OP	MC	1	–	–	–	1.00	–	–	–	–	–	–	–
21078730	OP	MC	73	0.41	0.33	0.41	0.14	0.12	–	0.33	0.02	0.33	-0.21	-0.29
21078740	OP	MC	434	0.32	0.18	0.32	0.19	0.30	–	0.29	-0.18	0.29	-0.10	-0.07
21078750	OP	MC	4,468	0.53	0.12	0.18	0.16	0.53	–	0.62	-0.25	-0.31	-0.29	0.62
21078770	OP	MC	1,440	0.25	0.70	0.02	0.03	0.25	–	0.12	-0.06	-0.08	-0.10	0.12
21078780	OP	MC	612	0.38	0.20	0.38	0.23	0.19	–	0.27	0.01	0.27	-0.22	-0.11
21078790	OP	MC	588	0.36	0.28	0.19	0.17	0.36	–	0.29	-0.12	-0.08	-0.14	0.29
21078810	OP	MC	105	0.43	0.35	0.12	0.43	0.10	–	0.06	0.06	-0.06	0.06	-0.13
21078830	OP	MC	941	0.62	0.12	0.13	0.62	0.13	–	0.44	-0.23	-0.21	0.44	-0.21
21078840	OP	MC	178	0.38	0.33	0.38	0.14	0.16	–	0.13	-0.09	0.13	-0.02	-0.05
21078860	OP	MC	1,546	0.41	0.41	0.10	0.16	0.34	–	0.25	0.25	-0.16	-0.12	-0.07
21078870	OP	MC	4,550	0.63	0.21	0.10	0.06	0.63	–	0.18	-0.09	-0.09	-0.09	0.18

ELA Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21078880	OP	MC	707	0.46	0.22	0.15	0.46	0.17	–	0.27	-0.11	-0.14	0.27	-0.10
21078910	OP	MC	722	0.45	0.45	0.22	0.16	0.17	–	0.31	0.31	-0.16	-0.10	-0.13
21078930	OP	MC	375	0.49	0.18	0.49	0.16	0.17	–	0.29	-0.15	0.29	-0.05	-0.18
21078940	OP	MC	100	0.35	0.35	0.28	0.19	0.18	–	0.47	0.47	-0.34	-0.11	-0.08
21078950	OP	MC	266	0.45	0.24	0.45	0.17	0.14	–	0.28	-0.14	0.28	-0.12	-0.11
21078970	OP	MC	758	0.49	0.10	0.49	0.15	0.26	–	0.34	-0.06	0.34	-0.19	-0.20
21078980	OP	MC	5,724	0.34	0.27	0.34	0.15	0.24	–	0.17	-0.10	0.17	-0.12	0.01
21078990	OP	MC	2,651	0.38	0.27	0.29	0.38	0.05	–	0.30	-0.13	-0.12	0.30	-0.14
21079010	OP	MC	526	0.39	0.30	0.08	0.39	0.22	–	0.23	-0.14	-0.10	0.23	-0.05
21079020	OP	MC	3,406	0.38	0.24	0.09	0.38	0.29	–	0.30	-0.18	-0.05	0.30	-0.12
21079040	OP	MC	5,465	0.53	0.53	0.11	0.15	0.20	–	0.34	0.34	-0.18	-0.20	-0.10
21079050	OP	MC	5,682	0.57	0.11	0.12	0.19	0.57	–	0.47	-0.22	-0.24	-0.22	0.47
21079070	OP	MC	2,908	0.63	0.63	0.09	0.19	0.10	–	0.56	0.56	-0.30	-0.23	-0.32
21079080	OP	MC	3,808	0.57	0.18	0.57	0.16	0.10	–	0.27	-0.14	0.27	-0.16	-0.06
21079110	OP	MC	468	0.36	0.36	0.22	0.19	0.22	–	0.36	0.36	-0.05	-0.20	-0.17
21079140	OP	MC	183	0.27	0.27	0.24	0.28	0.21	–	0.39	0.39	-0.06	-0.08	-0.27
21079160	OP	MC	1,559	0.52	0.07	0.01	0.52	0.40	–	0.34	-0.08	-0.04	0.34	-0.29
21079180	OP	MC	1,580	0.76	0.03	0.06	0.16	0.76	–	0.30	-0.18	-0.20	-0.14	0.30
21079210	OP	MC	22	0.41	0.50	0.09	–	0.41	–	0.20	-0.24	0.07	–	0.20
21079230	OP	MC	2,698	0.58	0.08	0.19	0.15	0.58	–	0.35	-0.14	-0.13	-0.23	0.35
21079260	OP	MC	3,948	0.37	0.37	0.26	0.07	0.30	–	0.23	0.23	-0.01	-0.22	-0.11
21079270	HL	MC	11,531	0.82	0.04	0.04	0.82	0.10	–	0.42	-0.20	-0.14	0.42	-0.32
21079310	OP	MC	809	0.36	0.22	0.19	0.36	0.23	–	0.31	-0.15	-0.08	0.31	-0.13
21079360	OP	MC	524	0.38	0.40	0.38	0.13	0.08	–	0.17	-0.02	0.17	-0.17	-0.07
21079400	OP	MC	2,669	0.47	0.47	0.21	0.18	0.14	–	0.31	0.31	-0.15	-0.13	-0.13
21079450	OP	MC	6,715	0.37	0.37	0.43	0.16	0.05	–	0.25	0.25	-0.05	-0.17	-0.18
21079500	OP	MC	259	0.35	0.32	0.16	0.16	0.35	–	0.44	-0.16	-0.19	-0.19	0.44
21079510	OP	MC	5,389	0.38	0.08	0.26	0.28	0.38	–	0.31	-0.18	-0.10	-0.12	0.31
21079530	OP	MC	2,633	0.46	0.21	0.25	0.46	0.08	–	0.22	-0.12	-0.06	0.22	-0.12
21079570	OP	MC	3,254	0.45	0.14	0.15	0.45	0.26	–	0.22	-0.18	-0.18	0.22	0.04
21079580	OP	MC	4	0.75	0.75	0.25	–	–	–	0.47	0.47	-0.47	–	–
21079620	OP	MC	1,136	0.39	0.28	0.19	0.39	0.14	–	0.41	-0.18	-0.14	0.41	-0.18
21079640	OP	MC	9,001	0.63	0.13	0.63	0.11	0.13	–	0.32	-0.16	0.32	-0.11	-0.19

ELA Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21079650	OP	MC	3,684	0.50	0.34	0.50	0.10	0.07	–	0.25	-0.11	0.25	-0.16	-0.09
21079680	OP	MC	2,009	0.39	0.21	0.23	0.39	0.17	–	0.36	-0.16	-0.16	0.36	-0.13
21079690	OP	MC	131	0.44	0.44	0.17	0.15	0.24	–	0.50	0.50	-0.18	-0.18	-0.27
21079710	OP	MC	1,316	0.36	0.18	0.36	0.23	0.23	–	0.36	-0.15	0.36	-0.10	-0.18
21095430	OP	MC	4	1.00	–	–	1.00	–	–	–	–	–	–	–
21095460	OP	MC	4	0.50	0.25	0.50	0.25	–	–	0.92	-0.81	0.92	-0.25	–
21095470	OP	MC	4	0.50	0.50	–	–	0.50	–	0.11	0.11	–	–	-0.11
21095490	OP	MC	1	1.00	–	1.00	–	–	–	–	–	–	–	
21095530	OP	MC	3	0.33	0.33	0.33	–	0.33	–	-0.03	-0.85	0.88	–	-0.03
21095540	OP	MC	4	0.50	0.50	0.25	0.25	–	–	0.32	0.32	-0.88	0.52	–
21095560	OP	MC	71	0.41	0.08	0.37	0.41	0.14	–	0.27	-0.07	-0.17	0.27	-0.08
21095580	OP	MC	18	0.44	0.22	0.44	0.33	–	–	0.57	-0.27	0.57	-0.36	–
21095600	OP	MC	87	0.48	0.16	0.48	0.11	0.24	–	0.46	-0.16	0.46	-0.16	-0.28
21095620	OP	MC	2	0.50	0.50	–	0.50	–	–	1.00	1.00	–	-1.00	–
21095630	OP	MC	89	0.36	0.29	–	0.35	0.36	–	0.19	-0.17	–	-0.03	0.19
21095670	OP	MC	4	0.25	0.25	0.25	0.25	0.25	–	0.52	0.52	0.52	-0.15	-0.88
21095690	OP	MC	4	0.50	0.50	0.25	–	0.25	–	0.89	0.89	-0.15	–	-0.88
21095700	OP	MC	89	0.63	0.15	0.01	0.21	0.63	–	0.18	-0.11	0.12	-0.14	0.18
21095750	OP	MC	1	–	–	1.00	–	–	–	–	–	–	–	–
21095770	OP	MC	5	–	–	–	0.60	0.40	–	–	–	–	0.65	-0.65
21095830	OP	MC	140	0.61	0.23	0.01	0.14	0.61	–	0.32	-0.22	-0.03	-0.18	0.32
21095850	OP	MC	140	0.39	0.20	0.29	0.39	0.11	–	0.34	-0.18	-0.18	0.34	-0.05
21095860	OP	MC	1	–	1.00	–	–	–	–	–	–	–	–	–
21095880	OP	MC	140	0.60	0.12	0.23	0.05	0.60	–	0.31	-0.21	-0.14	-0.10	0.31
21095930	OP	MC	4	–	0.25	0.50	0.25	–	–	–	-0.25	-0.38	0.69	–
21095950	OP	MC	5	0.20	0.20	–	0.80	–	–	0.73	0.73	–	-0.73	–
21095970	OP	MC	140	0.49	0.14	0.49	0.21	0.16	–	0.20	-0.10	0.20	-0.05	-0.13
21095990	OP	MC	5	0.40	0.20	0.40	0.20	0.20	–	0.17	-0.38	0.17	-0.56	0.73
21096260	OP	MC	5	0.40	–	0.40	0.40	0.20	–	0.96	–	-0.50	0.96	-0.56
21106440	OP	MC	9,551	0.56	0.56	0.12	0.27	0.04	–	0.30	0.30	-0.23	-0.10	-0.16
21106990	OP	MC	7	0.86	0.14	–	0.86	–	–	0.81	-0.81	–	0.81	–
21107010	OP	MC	2	0.50	–	0.50	–	0.50	–	1.00	–	-1.00	–	1.00
21107080	OP	MC	1,724	0.40	0.06	0.43	0.40	0.11	–	0.14	-0.13	0.02	0.14	-0.16

ELA Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21107200	OP	MC	219	0.50	0.50	0.16	0.22	0.12	–	0.46	0.46	-0.24	-0.16	-0.24
21109030	OP	MC	57	0.39	0.26	0.39	0.18	0.18	–	0.27	-0.04	0.27	-0.18	-0.12
31193340	VL	MC	1,270	0.65	0.10	0.65	0.07	0.17	–	0.40	-0.24	0.40	-0.26	-0.13
41145360	VL	MC	1,396	0.84	0.06	0.84	0.08	0.02	–	0.23	-0.10	0.23	-0.14	-0.19
11190590	FT	MC	1,836	0.52	0.12	0.11	0.52	0.25	–	0.36	-0.19	-0.21	0.36	-0.13
11190610	FT	MC	1,486	0.35	0.35	0.32	0.16	0.18	–	0.11	0.11	0.05	-0.13	-0.08
11190630	FT	MC	2,160	0.08	0.55	0.08	0.27	0.11	–	-0.10	0.15	-0.10	0.01	-0.18
11191310	FT	MC	1,221	0.71	0.13	0.71	0.06	0.10	–	0.43	-0.21	0.43	-0.26	-0.21
11191380	FT	MC	1,193	0.41	0.27	0.41	0.07	0.26	–	0.34	-0.14	0.34	-0.23	-0.11
11191390	FT	MC	1,205	0.57	0.06	0.57	0.28	0.10	–	0.27	-0.18	0.27	-0.09	-0.16
11191400	FT	MC	1,191	0.72	0.72	0.11	0.05	0.13	–	0.30	0.30	-0.10	-0.26	-0.14
11191410	FT	MC	1,196	0.70	0.13	0.08	0.70	0.10	–	0.37	-0.19	-0.24	0.37	-0.14
11191420	FT	MC	1,195	0.31	0.44	0.31	0.12	0.12	–	0.11	0.20	0.11	-0.20	-0.25
11191430	FT	MC	1,207	0.55	0.08	0.10	0.28	0.55	–	0.20	-0.20	-0.21	0.03	0.20
11191440	FT	MC	1,173	0.43	0.12	0.22	0.43	0.23	–	0.29	-0.18	-0.10	0.29	-0.10
11194330	FT	MC	1,208	0.39	0.03	0.13	0.39	0.45	–	0.30	-0.17	-0.20	0.30	-0.10
11194340	FT	MC	1,196	0.69	0.10	0.11	0.69	0.10	–	0.42	-0.21	-0.19	0.42	-0.23
11194360	FT	MC	1,185	0.52	0.52	0.24	0.14	0.10	–	0.36	0.36	-0.04	-0.23	-0.27
11194370	FT	MC	1,197	0.55	0.14	0.13	0.18	0.55	–	0.17	-0.07	-0.14	-0.04	0.17
11194400	FT	MC	1,190	0.42	0.06	0.42	0.07	0.44	–	0.17	-0.24	0.17	-0.23	0.06
11194410	FT	MC	1,196	0.20	0.10	0.07	0.63	0.20	–	-0.03	-0.26	-0.24	0.31	-0.03
11194430	FT	MC	1,192	0.65	0.65	0.14	0.07	0.14	–	0.47	0.47	-0.18	-0.30	-0.24
11197330	FT	MC	1,727	0.44	0.15	0.14	0.44	0.28	–	0.30	-0.11	-0.18	0.30	-0.11
11197370	FT	MC	1,777	0.57	0.18	0.57	0.08	0.17	–	0.41	-0.24	0.41	-0.22	-0.14
11197470	FT	MC	1,333	0.41	0.08	0.07	0.44	0.41	–	0.29	-0.19	-0.09	-0.14	0.29
11197510	FT	MC	1,301	0.44	0.44	0.16	0.08	0.32	–	0.43	0.43	-0.19	-0.14	-0.23
11197580	FT	MC	1,945	0.26	0.27	0.23	0.26	0.23	–	0.17	-0.14	0.04	0.17	-0.06
11197590	FT	MC	1,208	0.59	0.13	0.59	0.10	0.18	–	0.48	-0.23	0.48	-0.26	-0.22
11197710	FT	MC	1,743	0.66	0.19	0.11	0.66	0.04	–	0.32	-0.24	-0.04	0.32	-0.24
11197730	FT	MC	1,314	0.62	0.12	0.10	0.15	0.62	–	0.39	-0.22	-0.18	-0.17	0.39
11197780	FT	MC	1,580	0.56	0.23	0.15	0.07	0.56	–	0.47	-0.27	-0.20	-0.18	0.47
11197810	FT	MC	1,528	0.54	0.13	0.16	0.17	0.54	–	0.39	-0.14	-0.19	-0.21	0.39
11197820	FT	MC	1,440	0.61	0.12	0.61	0.13	0.15	–	0.46	-0.21	0.46	-0.26	-0.21

ELA Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11197940	FT	MC	1,465	0.53	0.17	0.16	0.14	0.53	–	0.36	-0.25	-0.12	-0.12	0.36
11198030	FT	MC	1,568	0.42	0.13	0.25	0.20	0.42	–	0.37	-0.27	-0.05	-0.17	0.37
11198320	FT	MC	1,552	0.31	0.12	0.08	0.49	0.31	–	0.13	-0.19	-0.15	0.08	0.13
11198370	FT	MC	1,302	0.38	0.23	0.19	0.38	0.21	–	0.37	-0.18	-0.27	0.37	0.01
11198480	FT	MC	1,436	0.43	0.20	0.19	0.43	0.18	–	0.47	-0.31	-0.18	0.47	-0.11
11198490	FT	MC	1,565	0.51	0.19	0.51	0.17	0.13	–	0.47	-0.26	0.47	-0.28	-0.08
11198530	FT	MC	1,437	0.85	0.85	0.02	0.09	0.03	–	0.32	0.32	-0.18	-0.19	-0.18
11198580	FT	MC	1,248	0.30	0.15	0.04	0.30	0.51	–	0.03	-0.24	-0.18	0.03	0.22
11198600	FT	MC	1,244	0.78	0.78	0.07	0.08	0.07	–	0.35	0.35	-0.14	-0.24	-0.17
11198610	FT	MC	1,276	0.29	0.19	0.27	0.29	0.25	–	0.22	-0.11	-0.05	0.22	-0.08
11198660	FT	MC	1,272	0.54	0.13	0.54	0.17	0.15	–	0.32	-0.24	0.32	-0.08	-0.14
11198710	FT	MC	1,271	0.72	0.04	0.20	0.04	0.72	–	0.23	-0.19	-0.11	-0.14	0.23
11224610	FT	MC	1,192	0.53	0.24	0.14	0.53	0.09	–	0.31	-0.19	-0.02	0.31	-0.24
11224620	FT	MC	1,182	0.44	0.24	0.26	0.06	0.44	–	0.20	-0.08	-0.05	-0.18	0.20
11224630	FT	MC	1,198	0.53	0.12	0.17	0.53	0.18	–	0.24	-0.17	-0.24	0.24	0.06
11224660	FT	MC	1,189	0.56	0.13	0.56	0.17	0.14	–	0.35	-0.16	0.35	-0.17	-0.16
11224700	FT	MC	1,195	0.31	0.16	0.31	0.22	0.30	–	0.13	0.03	0.13	-0.13	-0.04
11224720	FT	MC	1,211	0.47	0.17	0.26	0.09	0.47	–	0.40	-0.18	-0.15	-0.22	0.40
11224740	FT	MC	1,197	0.79	0.79	0.04	0.06	0.11	–	0.32	0.32	-0.18	-0.23	-0.12
11224750	FT	MC	1,180	0.56	0.14	0.56	0.19	0.12	–	0.38	-0.10	0.38	-0.22	-0.22
11224990	FT	MC	1,192	0.67	0.08	0.05	0.20	0.67	–	0.40	-0.16	-0.21	-0.24	0.40
11225010	FT	MC	1,198	0.52	0.05	0.52	0.07	0.35	–	0.26	-0.18	0.26	-0.24	-0.06
11225020	FT	MC	1,188	0.51	0.12	0.51	0.12	0.25	–	0.42	-0.23	0.42	-0.27	-0.11
11225060	FT	MC	1,189	0.54	0.21	0.54	0.07	0.17	–	0.44	-0.34	0.44	-0.23	-0.06
11225110	FT	MC	1,189	0.70	0.05	0.70	0.08	0.17	–	0.38	-0.18	0.38	-0.20	-0.22
11225300	FT	MC	1,242	0.41	0.32	0.13	0.41	0.15	–	0.35	-0.11	-0.25	0.35	-0.10
11225320	FT	MC	1,202	0.68	0.68	0.04	0.09	0.19	–	0.33	0.33	-0.17	-0.30	-0.10
11225340	FT	MC	1,203	0.46	0.22	0.46	0.19	0.12	–	0.33	-0.01	0.33	-0.20	-0.23
11225530	FT	MC	1,197	0.21	0.29	0.39	0.21	0.11	–	0.13	-0.24	0.25	0.13	-0.21
11225560	FT	MC	1,200	0.57	0.05	0.57	0.11	0.28	–	0.35	-0.10	0.35	-0.13	-0.24
11225600	FT	MC	1,205	0.41	0.08	0.41	0.12	0.39	–	0.33	-0.22	0.33	-0.08	-0.16
21096410	HL	Non-MC	23,875	0.58	0.21	0.43	0.36	–	–	0.59	-0.48	-0.10	0.50	–
21096460	OP	Non-MC	23,875	0.15	0.72	0.25	0.03	–	–	-0.10	0.12	-0.13	0.01	–

ELA Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21107440	HL	Non-MC	23,875	0.45	0.28	0.55	0.17	–	–	0.46	-0.40	0.11	0.33	–
21107570	VL	Non-MC	1,335	0.27	0.66	0.14	0.21	–	–	0.18	-0.08	-0.22	0.27	–
21107620	HL	Non-MC	23,875	0.37	0.52	0.22	0.26	–	–	0.50	-0.45	0.07	0.45	–
21107660	OP	Non-MC	5,125	0.20	0.62	0.36	0.02	–	–	0.23	-0.20	0.15	0.16	–
21107680	VL	Non-MC	1,335	0.27	0.63	0.21	0.16	–	–	0.53	-0.50	0.21	0.42	–
21107690	OP	Non-MC	2,973	0.45	0.38	0.35	0.27	–	–	0.52	-0.47	0.07	0.43	–
21107760	VL	Non-MC	1,334	0.33	0.44	0.47	0.09	–	–	0.38	-0.42	0.35	0.11	–
21107800	HL	Non-MC	23,875	0.49	0.34	0.34	0.32	–	–	0.52	-0.48	0.06	0.43	–
21107810	OP	Non-MC	1,519	0.20	0.74	0.12	0.14	–	–	0.40	-0.35	0.05	0.40	–
21107820	HL	Non-MC	23,875	0.33	0.52	0.31	0.17	–	–	0.43	-0.41	0.18	0.31	–
21107830	OP	Non-MC	64	0.25	0.67	0.16	0.17	–	–	0.38	-0.22	-0.23	0.50	–
21107850	OP	Non-MC	14,194	0.39	0.52	0.19	0.29	–	–	0.46	-0.41	0.02	0.43	–
21108470	OP	Non-MC	23,875	0.46	0.40	0.28	0.32	–	–	0.39	-0.25	-0.18	0.44	–
21108500	HL	Non-MC	23,875	0.43	0.18	0.78	0.04	–	–	0.38	-0.33	0.20	0.23	–
11190300	FT	Non-MC	1,157	0.21	0.79	0.21	–	–	–	0.16	-0.16	0.16	–	–
11190330	FT	Non-MC	1,437	0.37	0.58	0.11	0.31	–	–	0.36	-0.29	-0.13	0.39	–
11190350	FT	Non-MC	1,159	0.29	0.71	0.29	–	–	–	0.49	-0.49	0.49	–	–
11190370	FT	Non-MC	1,159	0.38	0.62	0.38	–	–	–	0.42	-0.42	0.42	–	–
11190380	FT	Non-MC	1,442	0.25	0.63	0.24	0.13	–	–	0.25	-0.19	–	0.27	–
11190390	FT	Non-MC	1,160	0.29	0.71	0.29	–	–	–	0.48	-0.48	0.48	–	–
11192530	FT	Non-MC	1,439	0.40	0.49	0.21	0.29	–	–	0.38	-0.34	0.02	0.36	–
11192590	FT	Non-MC	1,159	0.01	0.99	0.01	–	–	–	0.07	-0.07	0.07	–	–
11192610	FT	Non-MC	1,435	0.33	0.54	0.27	0.19	–	–	0.30	-0.31	0.19	0.19	–
11192620	FT	Non-MC	1,442	0.30	0.65	0.11	0.25	–	–	0.47	-0.46	0.12	0.42	–
11192650	FT	Non-MC	1,171	0.14	0.86	0.14	–	–	–	0.32	-0.32	0.32	–	–
11192660	FT	Non-MC	1,420	0.22	0.56	0.44	–	–	–	0.12	-0.12	0.12	–	–
11195920	FT	Non-MC	1,468	0.40	0.38	0.45	0.17	–	–	0.52	-0.51	0.25	0.32	–
11195960	FT	Non-MC	1,458	0.50	0.27	0.45	0.28	–	–	0.37	-0.32	0.02	0.29	–
11196020	FT	Non-MC	1,483	0.18	0.78	0.08	0.14	–	–	0.33	-0.30	0.03	0.33	–
11196050	FT	Non-MC	1,489	0.48	0.30	0.43	0.27	–	–	0.45	-0.39	0.04	0.36	–
11196160	FT	Non-MC	1,473	0.66	0.16	0.36	0.47	–	–	0.57	-0.40	-0.26	0.54	–
11196190	FT	Non-MC	1,881	0.63	0.37	0.63	–	–	–	0.42	-0.42	0.42	–	–
11196200	FT	Non-MC	1,935	0.43	0.31	0.53	0.16	–	–	0.40	-0.35	0.12	0.29	–

ELA Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11196280	FT	Non-MC	1,469	0.58	0.14	0.57	0.29	–	–	0.44	-0.39	-0.03	0.32	–
11196340	FT	Non-MC	1,463	0.46	0.34	0.40	0.26	–	–	0.45	-0.37	0.01	0.39	–
11196590	FT	Non-MC	1,973	0.32	0.43	0.50	0.07	–	–	0.21	-0.17	0.07	0.18	–
11196920	FT	Non-MC	1,323	0.35	0.65	0.35	–	–	–	0.35	-0.35	0.35	–	–
11196960	FT	Non-MC	1,663	0.35	0.43	0.45	0.12	–	–	0.30	-0.22	0.02	0.30	–
11196970	FT	Non-MC	1,365	0.28	0.72	0.28	–	–	–	0.23	-0.23	0.23	–	–
11197030	FT	Non-MC	1,530	0.47	0.29	0.48	0.22	–	–	0.46	-0.33	-0.05	0.42	–
11197050	FT	Non-MC	1,439	0.60	0.40	0.60	–	–	–	0.56	-0.56	0.56	–	–
11197080	FT	Non-MC	1,459	0.63	0.16	0.42	0.42	–	–	0.51	-0.34	-0.24	0.49	–
11197200	FT	Non-MC	1,321	0.54	0.46	0.54	–	–	–	0.16	-0.16	0.16	–	–
11197300	FT	Non-MC	1,516	0.81	0.19	0.81	–	–	–	0.38	-0.38	0.38	–	–
11197310	FT	Non-MC	1,267	0.47	0.53	0.47	–	–	–	0.36	-0.36	0.36	–	–
11219260	FT	Non-MC	1,437	0.54	0.37	0.17	0.46	–	–	0.49	-0.40	-0.17	0.52	–
11219270	FT	Non-MC	1,154	0.41	0.59	0.41	–	–	–	0.38	-0.38	0.38	–	–
11219290	FT	Non-MC	1,155	0.50	0.50	0.50	–	–	–	0.49	-0.49	0.49	–	–
11219300	FT	Non-MC	1,440	0.53	0.40	0.14	0.45	–	–	0.58	-0.49	-0.17	0.60	–
11219340	FT	Non-MC	1,158	0.28	0.72	0.28	–	–	–	0.41	-0.41	0.41	–	–
11221340	FT	Non-MC	1,160	0.47	0.53	0.47	–	–	–	0.50	-0.50	0.50	–	–
11221590	FT	Non-MC	1,164	0.49	0.51	0.49	–	–	–	0.53	-0.53	0.53	–	–
11221710	FT	Non-MC	1,159	0.61	0.39	0.61	–	–	–	0.28	-0.28	0.28	–	–
11221930	FT	Non-MC	1,441	0.18	0.77	0.10	0.13	–	–	0.09	-0.06	-0.05	0.11	–
11227770	FT	Non-MC	1,447	0.65	0.21	0.28	0.51	–	–	0.57	-0.51	-0.08	0.49	–
11227780	FT	Non-MC	1,159	0.48	0.52	0.48	–	–	–	0.33	-0.33	0.33	–	–
11227800	FT	Non-MC	1,437	0.64	0.27	0.18	0.55	–	–	0.58	-0.45	-0.25	0.60	–
11227810	FT	Non-MC	1,161	0.43	0.57	0.43	–	–	–	0.54	-0.54	0.54	–	–
11227830	FT	Non-MC	1,156	0.35	0.65	0.35	–	–	–	0.51	-0.51	0.51	–	–
11227850	FT	Non-MC	1,154	0.05	0.95	0.05	–	–	–	0.22	-0.22	0.22	–	–
11227860	FT	Non-MC	1,443	0.45	0.42	0.25	0.33	–	–	0.54	-0.43	-0.08	0.53	–
11227940	FT	Non-MC	1,442	0.70	0.22	0.15	0.62	–	–	0.51	-0.48	-0.07	0.46	–
11227950	FT	Non-MC	1,442	0.35	0.55	0.19	0.26	–	–	0.40	-0.34	–	0.39	–
11227970	FT	Non-MC	1,450	0.37	0.50	0.26	0.24	–	–	0.37	-0.34	0.07	0.32	–
11228000	FT	Non-MC	1,152	0.58	0.42	0.58	–	–	–	0.37	-0.37	0.37	–	–
11228010	FT	Non-MC	1,156	0.50	0.50	0.50	–	–	–	0.39	-0.39	0.39	–	–

ELA Grade 4														
Item ID	Item Status	Item Type	N	*P*-Value	*P*-Value by Answer Choice/Score Point				%Omit	Pt. Biserial	Pt. Biserial by Answer Choice/Score Point			
					A/0	B/1	C/2	D			A/0	B/1	C/2	D
11228020	FT	Non-MC	1,162	0.50	0.50	0.50	–	–	–	0.35	-0.35	0.35	–	–
21109470	FT	Non-MC	1,156	0.20	0.80	0.20	–	–	–	0.45	-0.45	0.45	–	–
21109480	FT	Non-MC	1,156	0.20	0.80	0.20	–	–	–	0.40	-0.40	0.40	–	–

Table F.3. Classical Item-Level Statistics—ELA Grade 5

ELA Grade 5														
Item ID	Item Status	Item Type	N	*P*-Value	*P*-Value by Answer Choice/Score Point				%Omit	Pt. Biserial	Pt. Biserial by Answer Choice/Score Point			
					A/0	B/1	C/2	D			A/0	B/1	C/2	D
11191730	VL	MC	1,241	0.63	0.16	0.13	0.63	0.07	–	0.47	-0.29	-0.14	0.47	-0.28
11191740	VL	MC	1,241	0.52	0.17	0.52	0.16	0.15	–	0.22	0.05	0.22	-0.24	-0.12
11191750	VL	MC	1,241	0.54	0.54	0.09	0.27	0.09	–	0.27	0.27	-0.24	-0.03	-0.18
11191770	VL	MC	1,241	0.57	0.03	0.06	0.57	0.33	–	0.25	-0.16	-0.11	0.25	-0.14
21048180	VL	MC	1,254	0.65	0.09	0.09	0.17	0.65	–	0.41	-0.19	-0.26	-0.18	0.41
21048460	HL	MC	22,290	0.45	0.17	0.16	0.22	0.45	–	0.37	-0.24	-0.19	-0.06	0.37
21048470	HL	MC	22,290	0.45	0.23	0.18	0.14	0.45	–	0.41	-0.16	-0.17	-0.20	0.41
21048480	OP	MC	18,732	0.65	0.11	0.09	0.65	0.14	–	0.42	-0.26	-0.23	0.42	-0.15
21048490	OP	MC	8,835	0.38	0.10	0.20	0.31	0.38	–	0.30	-0.16	-0.10	-0.12	0.30
21048520	VL	MC	1,245	0.55	0.13	0.55	0.17	0.15	–	0.38	-0.23	0.38	-0.18	-0.12
21048560	VL	MC	1,245	0.64	0.09	0.64	0.15	0.12	–	0.38	-0.24	0.38	-0.15	-0.19
21048610	VL	MC	1,245	0.65	0.15	0.13	0.65	0.07	–	0.39	-0.15	-0.24	0.39	-0.20
21053650	OP	MC	52	0.25	0.29	0.27	0.25	0.19	–	0.20	0.10	-0.29	0.20	–
21053690	OP	MC	16	0.44	0.25	0.31	–	0.44	–	-0.08	0.05	0.04	–	-0.08
21053710	OP	MC	52	0.31	0.31	0.31	0.23	0.15	–	0.27	0.27	-0.15	-0.20	0.07
21053740	OP	MC	26	0.38	0.19	0.27	0.38	0.15	–	0.57	-0.37	-0.24	0.57	-0.06
21053760	OP	MC	22	0.41	0.23	0.41	0.14	0.23	–	0.28	0.19	0.28	-0.19	-0.37
21053780	OP	MC	51	0.59	0.08	0.59	0.14	0.20	–	0.43	-0.08	0.43	-0.30	-0.23
21053800	OP	MC	9	0.22	0.33	0.22	0.22	0.22	–	0.50	-0.64	0.50	0.09	0.14
21053820	OP	MC	14	0.57	0.21	–	0.57	0.21	–	0.54	-0.01	–	0.54	-0.64
21053830	OP	MC	3	0.67	0.33	0.67	–	–	–	0.70	-0.70	0.70	–	–
21054010	OP	MC	1	1.00	1.00	–	–	–	–	–	–	–	–	–
21054050	OP	MC	25	0.68	0.08	0.08	0.68	0.16	–	0.42	-0.30	-0.15	0.42	-0.20
21054090	OP	MC	25	0.24	0.28	0.36	0.24	0.12	–	0.14	0.08	-0.27	0.14	0.11

ELA Grade 5														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21054110	OP	MC	1	–	–	–	–	1.00	–	–	–	–	–	–
21054140	OP	MC	25	0.40	0.28	0.20	0.12	0.40	–	0.42	-0.10	-0.28	-0.15	0.42
21054170	OP	MC	1,408	0.47	0.15	0.20	0.18	0.47	–	0.36	-0.08	-0.15	-0.23	0.36
21054180	OP	MC	2	0.50	0.50	–	–	0.50	–	-1.00	-1.00	–	–	1.00
21054210	OP	MC	2,804	0.40	0.24	0.21	0.15	0.40	–	0.31	-0.03	-0.14	-0.22	0.31
21054220	OP	MC	1,450	0.28	0.28	0.21	0.21	0.29	–	0.31	0.31	-0.12	-0.08	-0.12
21054230	OP	MC	2,793	0.45	0.45	0.11	0.19	0.25	–	0.36	0.36	-0.13	-0.11	-0.22
21054270	OP	MC	1	–	–	1.00	–	–	–	–	–	–	–	–
21054290	OP	MC	2,804	0.39	0.19	0.33	0.39	0.08	–	0.21	-0.09	-0.07	0.21	-0.11
21054350	OP	MC	1	–	1.00	–	–	–	–	–	–	–	–	–
21054400	OP	MC	1	1.00	–	–	–	1.00	–	–	–	–	–	–
21054450	OP	MC	1,275	0.33	0.37	0.33	0.15	0.15	–	0.26	-0.02	0.26	-0.21	-0.10
21054480	OP	MC	1,409	0.36	0.15	0.36	0.33	0.16	–	0.30	-0.11	0.30	-0.09	-0.18
21054490	OP	MC	1	–	1.00	–	–	–	–	–	–	–	–	–
21054510	OP	MC	39	0.36	0.26	0.21	0.36	0.18	–	0.40	-0.20	-0.40	0.40	0.16
21054520	OP	MC	2	0.50	–	–	0.50	0.50	–	-1.00	–	–	1.00	-1.00
21054530	OP	MC	39	0.51	0.26	0.51	0.10	0.13	–	0.56	-0.35	0.56	-0.32	-0.10
21054540	OP	MC	116	0.46	0.18	0.46	0.09	0.27	–	0.30	-0.29	0.30	-0.13	–
21054550	OP	MC	39	0.31	0.21	0.13	0.36	0.31	–	0.12	-0.12	-0.06	0.03	0.12
21054570	OP	MC	2	0.50	–	0.50	–	0.50	–	1.00		-1.00	–	1.00
21054590	OP	MC	35	0.46	0.46	0.20	0.14	0.20	–	0.36	0.36	-0.04	-0.41	-0.04
21054600	OP	MC	27	0.30	0.15	0.33	0.30	0.22	–	0.19	–	–	0.19	-0.21
21054860	OP	MC	1,407	0.54	0.14	0.16	0.54	0.16	–	0.29	-0.16	-0.08	0.29	-0.16
21054880	OP	MC	1,409	0.49	0.15	0.15	0.21	0.49	–	0.30	-0.08	-0.17	-0.15	0.30
21054890	OP	MC	67	0.31	0.31	0.24	0.25	0.19	–	0.26	0.26	-0.22	-0.14	0.09
21054910	OP	MC	67	0.15	0.12	0.27	0.46	0.15	–	0.06	–	-0.08	0.03	0.06
21054920	OP	MC	67	0.10	0.30	0.31	0.28	0.10	–	0.07	0.08	0.10	-0.24	0.07
21054930	OP	MC	67	0.13	0.13	0.30	0.39	0.18	–	0.15	0.15	0.22	-0.25	-0.08
21055790	OP	MC	92	0.37	0.32	0.25	0.37	0.07	–	0.26	-0.04	-0.11	0.26	-0.24
21055830	OP	MC	92	0.43	0.12	0.24	0.21	0.43	–	0.33	-0.02	-0.22	-0.15	0.33
21055850	OP	MC	92	0.49	0.49	0.16	0.18	0.16	–	0.43	0.43	-0.07	-0.30	-0.19
21055980	OP	MC	92	0.37	0.30	0.18	0.37	0.14	–	0.34	-0.11	-0.15	0.34	-0.16
21071880	VL	MC	1,245	0.74	0.74	0.03	0.20	0.03	–	0.40	0.40	-0.21	-0.27	-0.19

ELA Grade 5														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21071890	VL	MC	1,245	0.72	0.15	0.72	0.06	0.07	–	0.31	-0.03	0.31	-0.19	-0.33
21071920	VL	MC	1,245	0.66	0.22	0.66	0.08	0.04	–	0.35	-0.16	0.35	-0.18	-0.27
21071940	VL	MC	1,245	0.74	0.15	0.74	0.04	0.07	–	0.46	-0.29	0.46	-0.24	-0.21
21072030	HL	MC	10,876	0.68	0.17	0.09	0.07	0.68	–	0.39	-0.16	-0.28	-0.17	0.39
21072040	HL	MC	10,876	0.52	0.52	0.09	0.34	0.05	–	0.37	0.37	-0.18	-0.20	-0.18
21072050	HL	MC	10,876	0.50	0.14	0.50	0.30	0.06	–	0.31	-0.11	0.31	-0.17	-0.17
21072060	HL	MC	10,876	0.52	0.18	0.52	0.08	0.22	–	0.29	-0.20	0.29	-0.19	-0.04
21072080	HL	MC	10,876	0.70	0.02	0.22	0.06	0.70	–	0.46	-0.20	-0.26	-0.32	0.46
21072660	VL	MC	1,240	0.55	0.17	0.19	0.55	0.09	–	0.35	-0.09	-0.18	0.35	-0.25
21072670	VL	MC	1,240	0.70	0.70	0.09	0.11	0.10	–	0.50	0.50	-0.28	-0.28	-0.21
21072700	VL	MC	1,240	0.42	0.13	0.09	0.42	0.36	–	0.27	-0.18	-0.25	0.27	-0.01
21072730	VL	MC	1,240	0.74	0.07	0.09	0.09	0.74	–	0.45	-0.20	-0.23	-0.27	0.45
21072740	VL	MC	1,240	0.71	0.08	0.08	0.12	0.71	–	0.44	-0.16	-0.24	-0.27	0.44
21072890	HL	MC	22,290	0.52	0.52	0.08	0.12	0.28	–	0.32	0.32	-0.21	-0.24	-0.06
21072920	HL	MC	11,414	0.59	0.07	0.59	0.27	0.07	–	0.44	-0.18	0.44	-0.28	-0.19
21072930	OP	MC	4	0.75	–	0.25	–	0.75	–	-0.86	–	0.86	–	-0.86
21072960	OP	MC	1,113	0.48	0.03	0.48	0.16	0.33	–	0.30	-0.15	0.30	-0.16	-0.15
21072970	HL	MC	11,414	0.67	0.67	0.08	0.05	0.21	–	0.34	0.34	-0.26	-0.22	-0.11
21073000	HL	MC	11,414	0.79	0.06	0.11	0.79	0.03	–	0.44	-0.28	-0.22	0.44	-0.25
21073020	HL	MC	11,414	0.52	0.14	0.09	0.52	0.25	–	0.32	-0.22	-0.18	0.32	-0.08
21073040	HL	MC	22,290	0.65	0.10	0.13	0.65	0.12	–	0.53	-0.22	-0.30	0.53	-0.26
21073050	HL	MC	22,290	0.62	0.16	0.16	0.62	0.05	–	0.42	-0.16	-0.26	0.42	-0.23
21073060	OP	MC	1,562	0.40	0.15	0.40	0.18	0.26	–	0.31	-0.01	0.31	-0.22	-0.15
21073070	HL	MC	22,290	0.53	0.53	0.13	0.15	0.19	–	0.42	0.42	-0.20	-0.20	-0.18
21073080	OP	MC	3	1.00	–	–	–	1.00	–	–	–	–	–	–
21073090	HL	MC	22,290	0.41	0.32	0.41	0.10	0.17	–	0.30	-0.05	0.30	-0.23	-0.14
21073540	OP	MC	6,823	0.23	0.07	0.23	0.37	0.34	–	0.21	-0.08	0.21	–	-0.14
21073550	OP	MC	1,094	0.39	0.40	0.15	0.06	0.39	–	0.37	-0.17	-0.19	-0.14	0.37
21073560	OP	MC	2,785	0.54	0.12	0.14	0.54	0.20	–	0.37	-0.14	-0.24	0.37	-0.14
21073570	OP	MC	1,451	0.28	0.18	0.28	0.13	0.40	–	0.21	-0.07	0.21	-0.18	-0.01
21073580	OP	MC	17,034	0.61	0.10	0.19	0.10	0.61	–	0.46	-0.20	-0.21	-0.26	0.46
21073590	HL	MC	22,290	0.66	0.11	0.09	0.66	0.14	–	0.48	-0.21	-0.25	0.48	-0.25
21073600	HL	MC	22,290	0.56	0.25	0.56	0.08	0.10	–	0.41	-0.18	0.41	-0.28	-0.16

ELA Grade 5														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21073990	OP	MC	8,513	0.66	0.66	0.13	0.13	0.08	–	0.41	0.41	-0.19	-0.21	-0.21
21074000	OP	MC	554	0.46	0.21	0.15	0.19	0.46	–	0.32	-0.16	-0.09	-0.16	0.32
21074010	HL	MC	22,290	0.55	0.09	0.07	0.29	0.55	–	0.37	-0.26	-0.25	-0.11	0.37
21074030	OP	MC	2,853	0.35	0.19	0.35	0.24	0.21	–	0.25	-0.05	0.25	-0.09	-0.15
21074050	OP	MC	123	0.41	0.41	0.20	0.11	0.28	–	0.32	0.32	-0.11	0.03	-0.27
21074060	OP	MC	14,353	0.37	0.37	0.34	0.20	0.10	–	0.28	0.28	-0.05	-0.18	-0.14
21074070	OP	MC	505	0.41	0.41	0.30	0.09	0.20	–	0.31	0.31	-0.12	-0.16	-0.13
21074080	OP	MC	650	0.38	0.38	0.12	0.22	0.27	–	0.34	0.34	-0.20	-0.19	-0.04
21074090	OP	MC	15,455	0.61	0.06	0.19	0.14	0.61	–	0.46	-0.22	-0.21	-0.26	0.46
21074100	OP	MC	249	0.62	0.06	0.04	0.62	0.27	–	0.21	-0.06	-0.19	0.21	-0.11
21074110	OP	MC	286	0.46	0.14	0.46	0.23	0.17	–	0.35	-0.15	0.35	-0.15	-0.16
21074120	OP	MC	517	0.53	0.19	0.19	0.09	0.53	–	0.37	-0.22	-0.11	-0.19	0.37
21074130	OP	MC	790	0.34	0.35	0.12	0.34	0.19	–	0.25	-0.12	-0.12	0.25	-0.07
21074140	OP	MC	101	0.23	0.36	0.31	0.23	0.11	–	0.33	-0.08	-0.16	0.33	-0.08
21074160	OP	MC	15,932	0.33	0.19	0.23	0.33	0.25	–	0.27	-0.14	-0.12	0.27	-0.06
21074170	OP	MC	5,553	0.42	0.03	0.42	0.42	0.13	–	0.24	-0.12	-0.06	0.24	-0.21
21074200	OP	MC	6,857	0.64	0.15	0.64	0.16	0.05	–	0.43	-0.24	0.43	-0.20	-0.21
21074210	OP	MC	2,610	0.36	0.36	0.26	0.23	0.15	–	0.33	0.33	-0.12	-0.15	-0.11
21074220	OP	MC	2,016	0.39	0.23	0.22	0.39	0.16	–	0.27	-0.05	-0.11	0.27	-0.17
21074240	OP	MC	862	0.42	0.42	0.02	0.51	0.05	–	0.09	0.09	-0.08	-0.01	-0.13
21074250	OP	MC	1,166	0.50	0.22	0.50	0.06	0.22	–	0.27	-0.11	0.27	-0.16	-0.12
21074280	HL	MC	22,290	0.53	0.07	0.53	0.14	0.26	–	0.34	-0.23	0.34	-0.20	-0.10
21074290	OP	MC	1,180	0.49	0.22	0.16	0.13	0.49	–	0.33	-0.23	-0.11	-0.08	0.33
21074300	OP	MC	9,060	0.23	0.09	0.47	0.21	0.23	–	0.16	-0.26	0.07	-0.07	0.16
21074320	OP	MC	847	0.41	0.15	0.24	0.41	0.20	–	0.31	-0.15	-0.13	0.31	-0.10
21074350	OP	MC	7,978	0.56	0.18	0.56	0.22	0.04	–	0.35	-0.20	0.35	-0.15	-0.18
21074500	VL	MC	1,254	0.35	0.18	0.35	0.19	0.28	–	0.25	-0.04	0.25	-0.09	-0.15
21074610	VL	MC	1,254	0.63	0.63	0.15	0.11	0.10	–	0.44	0.44	-0.19	-0.28	-0.17
21074810	VL	MC	1,254	0.62	0.11	0.62	0.10	0.17	–	0.52	-0.24	0.52	-0.34	-0.21
21074820	VL	MC	1,254	0.50	0.13	0.29	0.50	0.08	–	0.36	-0.18	-0.12	0.36	-0.23
21076620	OP	MC	823	0.32	0.13	0.22	0.32	0.32	–	0.30	-0.06	-0.10	-0.16	0.30
21076630	OP	MC	8,596	0.52	0.16	0.10	0.22	0.52	–	0.35	-0.15	-0.18	-0.15	0.35
21076650	OP	MC	4,257	0.55	0.06	0.19	0.55	0.19	–	0.38	-0.19	-0.23	0.38	-0.13

ELA Grade 5														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21076670	OP	MC	2,530	0.51	0.17	0.51	0.01	0.31	–	0.30	-0.17	0.30	-0.09	-0.17
21076690	OP	MC	8,593	0.43	0.21	0.17	0.19	0.43	–	0.38	-0.09	-0.16	-0.23	0.38
21076710	OP	MC	4,920	0.55	0.55	0.17	0.15	0.13	–	0.47	0.47	-0.21	-0.26	-0.18
21076750	OP	MC	4,771	0.47	0.47	0.27	0.11	0.14	–	0.27	0.27	-0.10	-0.17	-0.11
21076790	OP	MC	41	0.51	0.10	0.17	0.51	0.22	–	0.44	-0.34	-0.32	0.44	–
21076800	OP	MC	12	0.75	0.08	0.75	–	0.17	–	0.51	-0.19	0.51	–	-0.46
21076810	OP	MC	2,971	0.41	0.19	0.30	0.41	0.11	–	0.27	-0.09	-0.12	0.27	-0.15
21077010	OP	MC	1	1.00	–	–	1.00	–	–	–	–	–	–	–
21077030	OP	MC	12	0.75	0.75	0.17	–	0.08	–	-0.04	-0.04	0.10	–	-0.07
21077150	OP	MC	4,981	0.61	0.13	0.09	0.61	0.17	–	0.38	-0.17	-0.17	0.38	-0.21
21077220	OP	MC	12	0.75	–	0.17	0.08	0.75	–	0.63	–	-0.74	0.02	0.63
21077420	OP	MC	12	0.75	–	0.08	0.17	0.75	–	0.51	–	-0.88	0.06	0.51
21077500	VL	MC	1,241	0.68	0.10	0.15	0.07	0.68	–	0.35	-0.23	-0.11	-0.19	0.35
21077520	OP	MC	11	0.18	0.18	0.09	0.18	0.55	–	0.81	-0.31	0.02	0.81	-0.40
21077630	OP	MC	136	0.43	0.18	0.22	0.43	0.18	–	0.41	-0.19	-0.14	0.41	-0.19
21077680	OP	MC	399	0.61	0.05	0.03	0.61	0.31	–	0.19	-0.10	-0.10	0.19	-0.12
21077690	OP	MC	399	0.49	0.17	0.24	0.11	0.49	–	0.29	-0.08	-0.19	-0.12	0.29
21077710	OP	MC	380	0.33	0.33	0.32	0.23	0.13	–	0.22	0.22	-0.04	-0.13	-0.08
21077800	OP	MC	4	0.75	–	–	0.75	0.25	–	0.79	–	–	0.79	-0.79
21077830	OP	MC	399	0.57	0.08	0.57	0.15	0.20	–	0.34	-0.15	0.34	-0.18	-0.17
21077910	OP	MC	18	0.28	0.06	0.28	0.50	0.17	–	0.70	-0.12	0.70	-0.51	-0.08
21077970	OP	MC	14	0.43	0.07	0.21	0.43	0.29	–	0.14	-0.21	0.15	0.14	-0.17
21077990	OP	MC	383	0.93	0.93	0.03	0.02	0.03	–	0.49	0.49	-0.37	-0.18	-0.28
21078020	OP	MC	191	0.77	0.03	0.77	0.09	0.10	–	0.38	-0.02	0.38	-0.36	-0.17
21078040	OP	MC	372	0.92	0.92	0.02	0.02	0.03	–	0.56	0.56	-0.23	-0.38	-0.33
21078060	OP	MC	327	0.72	0.07	0.20	0.72	–	–	0.23	-0.17	-0.15	0.23	–
21078090	OP	MC	354	0.56	0.03	0.56	0.26	0.14	–	0.28	-0.18	0.28	-0.08	-0.21
21078100	OP	MC	13	0.31	–	0.23	0.46	0.31	–	0.51	–	-0.44	-0.10	0.51
21078120	OP	MC	11	0.09	0.09	0.45	0.36	0.09	–	0.51	-0.03	-0.51	0.25	0.51
21078170	OP	MC	2,040	0.33	0.43	0.33	0.18	0.07	–	0.29	-0.14	0.29	-0.13	-0.06
21078200	OP	MC	823	0.37	0.21	0.37	0.29	0.13	–	0.26	-0.10	0.26	-0.11	-0.11
21078220	OP	MC	296	0.42	0.15	0.15	0.28	0.42	–	0.22	-0.10	-0.06	-0.11	0.22
21078240	OP	MC	9,165	0.56	0.56	0.20	0.19	0.04	–	0.33	0.33	-0.11	-0.18	-0.24

ELA Grade 5														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21078280	OP	MC	116	0.58	0.58	0.09	0.15	0.18	–	0.32	0.32	-0.12	-0.19	-0.14
21078300	OP	MC	4,843	0.73	0.73	0.14	0.08	0.04	–	0.43	0.43	-0.18	-0.29	-0.23
21078320	OP	MC	11,757	0.57	0.03	0.10	0.30	0.57	–	0.27	-0.13	-0.06	-0.20	0.27
21078350	OP	MC	1,349	0.49	0.08	0.49	0.26	0.18	–	0.34	-0.22	0.34	-0.11	-0.16
21078360	OP	MC	8,984	0.49	0.24	0.23	0.04	0.49	–	0.27	-0.17	-0.05	-0.20	0.27
21078380	OP	MC	6,874	0.65	0.65	0.05	0.06	0.24	–	0.33	0.33	-0.21	-0.25	-0.12
21078400	OP	MC	1,910	0.60	0.21	0.11	0.60	0.08	–	0.26	-0.10	-0.18	0.26	-0.12
21078410	OP	MC	2,064	0.41	0.16	0.24	0.19	0.41	–	0.33	-0.13	-0.17	-0.11	0.33
21078420	OP	MC	1,773	0.52	0.27	0.10	0.52	0.11	–	0.34	-0.19	-0.13	0.34	-0.15
21078430	OP	MC	3,537	0.46	0.30	0.46	0.09	0.15	–	0.28	-0.11	0.28	-0.17	-0.11
21078450	OP	MC	3,114	0.45	0.32	0.18	0.05	0.45	–	0.27	-0.14	-0.11	-0.11	0.27
21078460	OP	MC	2	–	–	–	0.50	0.50	–	–	–	–	-1.00	1.00
21078510	OP	MC	2,076	0.50	0.32	0.10	0.50	0.08	–	0.27	-0.06	-0.20	0.27	-0.18
21094890	OP	MC	2	1.00	1.00	–	–	–	–	–	–	–	–	–
21095190	OP	MC	2	–	0.50	–	0.50	–	–	–	-1.00	–	1.00	–
21095230	OP	MC	2	–	0.50	–	–	0.50	–	–	1.00	–	–	-1.00
21096030	OP	MC	2	0.50	–	0.50	0.50	–	–	1.00	–	-1.00	1.00	–
21106810	OP	MC	25	0.44	0.20	0.44	0.16	0.20	–	0.46	-0.06	0.46	-0.32	-0.21
21106840	OP	MC	9	0.44	0.11	0.44	0.11	0.33	–	0.73	-0.41	0.73	0.33	-0.72
21106850	OP	MC	7	0.43	0.43	–	0.29	0.29	–	0.50	0.50	–	-0.65	0.10
21106880	OP	MC	183	0.53	0.21	0.11	0.53	0.14	–	0.38	-0.22	-0.12	0.38	-0.18
21106890	OP	MC	54	0.35	0.13	0.22	0.35	0.30	–	0.43	-0.26	-0.09	0.43	-0.18
21106900	OP	MC	43	0.33	0.14	0.05	0.49	0.33	–	0.40	-0.03	-0.32	-0.22	0.40
21106910	OP	MC	174	0.26	0.26	0.29	0.18	0.26	–	0.31	0.31	-0.23	-0.07	-0.01
21106920	OP	MC	237	0.49	0.16	0.49	0.14	0.22	–	0.33	-0.23	0.33	0.01	-0.20
21106950	OP	MC	54	0.31	0.26	0.19	0.24	0.31	–	0.06	-0.12	0.25	-0.18	0.06
21106970	OP	MC	233	0.24	0.12	0.24	0.39	0.24	–	0.11	-0.29	-0.02	0.11	0.11
21107190	OP	MC	1	–	–	1.00	–	–	–	–	–	–	–	–
21109010	OP	MC	3,783	0.32	0.32	0.28	0.18	0.22	–	0.21	0.21	-0.07	-0.08	-0.08
21109020	OP	MC	17,738	0.58	0.20	0.15	0.58	0.06	–	0.41	-0.23	-0.22	0.41	-0.13
31193340	HL	MC	11,414	0.68	0.08	0.68	0.07	0.17	–	0.41	-0.27	0.41	-0.18	-0.19
31193380	OP	MC	4,533	0.43	0.43	0.15	0.20	0.23	–	0.26	0.26	-0.17	-0.10	-0.07
31193570	OP	MC	13,246	0.37	0.05	0.37	0.35	0.24	–	0.15	-0.13	0.15	-0.04	-0.06

ELA Grade 5														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
41145360	HL	MC	10,876	0.82	0.06	0.82	0.09	0.02	–	0.24	-0.07	0.24	-0.20	-0.14
11189170	FT	MC	1,084	0.80	0.04	0.07	0.10	0.80	–	0.48	-0.26	-0.25	-0.27	0.48
11189200	FT	MC	1,074	0.54	0.18	0.19	0.54	0.08	–	0.32	-0.12	-0.14	0.32	-0.21
11189270	FT	MC	1,073	0.64	0.16	0.05	0.64	0.15	–	0.40	-0.22	-0.26	0.40	-0.14
11189300	FT	MC	1,072	0.80	0.12	0.06	0.80	0.03	–	0.40	-0.30	-0.14	0.40	-0.21
11189310	FT	MC	1,071	0.74	0.08	0.74	0.13	0.06	–	0.48	-0.26	0.48	-0.25	-0.25
11189320	FT	MC	1,070	0.74	0.16	0.04	0.05	0.74	–	0.45	-0.26	-0.22	-0.25	0.45
11189330	FT	MC	1,070	0.55	0.55	0.29	0.08	0.08	–	0.36	0.36	-0.09	-0.25	-0.25
11189380	FT	MC	1,076	0.46	0.17	0.10	0.26	0.46	–	0.36	-0.21	-0.21	-0.08	0.36
11191580	FT	MC	1,067	0.54	0.07	0.37	0.54	0.02	–	0.06	-0.28	0.14	0.06	-0.16
11194160	FT	MC	1,085	0.44	0.27	0.10	0.44	0.19	–	0.22	-0.03	-0.28	0.22	-0.02
11194170	FT	MC	1,078	0.67	0.07	0.67	0.17	0.10	–	0.43	-0.19	0.43	-0.18	-0.29
11194190	FT	MC	1,072	0.65	0.07	0.65	0.07	0.20	–	0.48	-0.21	0.48	-0.24	-0.28
11194200	FT	MC	1,070	0.41	0.26	0.26	0.07	0.41	–	0.33	-0.21	-0.04	-0.19	0.33
11194210	FT	MC	1,065	0.45	0.45	0.17	0.19	0.19	–	0.27	0.27	-0.13	-0.18	-0.03
11194220	FT	MC	1,075	0.36	0.36	0.19	0.31	0.14	–	0.23	0.23	-0.10	0.01	-0.22
11194250	FT	MC	1,066	0.54	0.08	0.22	0.54	0.16	–	0.36	-0.11	-0.19	0.36	-0.20
11194830	FT	MC	1,126	0.87	0.05	0.06	0.87	0.02	–	0.30	-0.15	-0.18	0.30	-0.18
11194850	FT	MC	1,092	0.50	0.50	0.18	0.19	0.13	–	0.39	0.39	-0.20	-0.20	-0.12
11194860	FT	MC	1,079	0.78	0.08	0.05	0.78	0.09	–	0.39	-0.18	-0.22	0.39	-0.23
11194870	FT	MC	1,069	0.26	0.24	0.22	0.26	0.27	–	0.08	0.06	–	0.08	-0.14
11194910	FT	MC	1,073	0.38	0.38	0.33	0.10	0.18	–	0.24	0.24	0.12	-0.21	-0.28
11194930	FT	MC	1,077	0.43	0.16	0.30	0.12	0.43	–	0.13	-0.06	-0.07	-0.03	0.13
11194950	FT	MC	1,086	0.67	0.13	0.67	0.14	0.06	–	0.26	-0.16	0.26	-0.07	-0.18
11200320	FT	MC	1,071	0.49	0.49	0.16	0.25	0.11	–	0.25	0.25	-0.12	-0.08	-0.17
11200350	FT	MC	1,156	0.58	0.12	0.58	0.23	0.08	–	0.37	-0.18	0.37	-0.23	-0.11
11200370	FT	MC	1,249	0.23	0.23	0.23	0.30	0.25	–	–	–	-0.06	0.02	0.03
11200600	FT	MC	1,307	0.19	0.32	0.38	0.10	0.19	–	0.05	0.05	0.02	-0.17	0.05
11200720	FT	MC	1,069	0.62	0.62	0.07	0.12	0.18	–	0.31	0.31	-0.17	-0.20	-0.11
11200800	FT	MC	1,083	0.53	0.17	0.53	0.19	0.11	–	0.27	-0.15	0.27	-0.07	-0.15
11200820	FT	MC	1,066	0.57	0.27	0.04	0.12	0.57	–	0.27	-0.08	-0.16	-0.22	0.27
11200890	FT	MC	1,175	0.59	0.15	0.14	0.13	0.59	–	0.52	-0.25	-0.28	-0.21	0.52
11200920	FT	MC	1,100	0.39	0.25	0.19	0.39	0.17	–	0.27	-0.09	-0.10	0.27	-0.14

ELA Grade 5														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11201010	FT	MC	1,155	0.48	0.28	0.13	0.48	0.11	–	0.44	-0.21	-0.18	0.44	-0.21
11201120	FT	MC	1,124	0.29	0.31	0.12	0.27	0.29	–	0.25	-0.06	-0.08	-0.13	0.25
11201140	FT	MC	1,088	0.38	0.10	0.10	0.38	0.41	–	0.16	-0.01	-0.19	0.16	-0.04
11201160	FT	MC	1,079	0.43	0.20	0.25	0.43	0.12	–	0.34	-0.08	-0.19	0.34	-0.17
11201250	FT	MC	1,079	0.38	0.38	0.28	0.23	0.11	–	0.09	0.09	-0.01	0.01	-0.12
11201310	FT	MC	1,096	0.45	0.18	0.11	0.26	0.45	–	0.29	-0.24	-0.14	-0.01	0.29
11201330	FT	MC	1,066	0.32	0.18	0.32	0.19	0.31	–	0.02	0.06	0.02	-0.11	0.02
11201410	FT	MC	1,078	0.23	0.21	0.39	0.18	0.23	–	0.18	-0.15	0.10	-0.17	0.18
11201520	FT	MC	1,066	0.62	0.08	0.20	0.62	0.09	–	0.42	-0.25	-0.17	0.42	-0.22
11201550	FT	MC	1,096	0.51	0.21	0.51	0.10	0.17	–	0.41	-0.25	0.41	-0.20	-0.11
11201790	FT	MC	1,073	0.45	0.19	0.29	0.07	0.45	–	0.22	-0.23	0.04	-0.14	0.22
11201850	FT	MC	1,055	0.44	0.22	0.44	0.14	0.20	–	0.23	-0.21	0.23	-0.11	0.02
11201950	FT	MC	1,065	0.30	0.21	0.30	0.14	0.36	–	0.07	-0.04	0.07	-0.10	0.04
11206290	FT	MC	1,282	0.38	0.27	0.23	0.38	0.12	–	-0.10	–	0.09	-0.10	0.03
11206310	FT	MC	1,237	0.63	0.08	0.09	0.63	0.20	–	0.41	-0.22	-0.22	0.41	-0.19
11219450	FT	MC	1,083	0.75	0.75	0.08	0.13	0.04	–	0.44	0.44	-0.20	-0.27	-0.23
11219470	FT	MC	1,069	0.79	0.05	0.79	0.07	0.08	–	0.47	-0.21	0.47	-0.34	-0.21
11219490	FT	MC	1,067	0.71	0.13	0.07	0.71	0.10	–	0.14	0.05	-0.18	0.14	-0.12
11219510	FT	MC	1,068	0.74	0.74	0.14	0.08	0.04	–	0.27	0.27	-0.16	-0.18	-0.07
11219520	FT	MC	1,068	0.81	0.81	0.05	0.07	0.07	–	0.43	0.43	-0.21	-0.29	-0.19
11219530	FT	MC	1,072	0.66	0.12	0.08	0.13	0.66	–	0.44	-0.22	-0.22	-0.22	0.44
11219540	FT	MC	1,066	0.62	0.17	0.07	0.14	0.62	–	0.40	-0.16	-0.21	-0.23	0.40
11219550	FT	MC	1,067	0.71	0.08	0.71	0.16	0.05	–	0.41	-0.19	0.41	-0.31	-0.11
11224120	FT	MC	1,089	0.73	0.08	0.10	0.73	0.09	–	0.45	-0.21	-0.26	0.45	-0.24
11224130	FT	MC	1,081	0.62	0.04	0.62	0.09	0.24	–	0.46	-0.27	0.46	-0.25	-0.23
11224140	FT	MC	1,074	0.61	0.09	0.61	0.12	0.18	–	0.38	-0.21	0.38	-0.26	-0.10
11224150	FT	MC	1,066	0.49	0.15	0.19	0.18	0.49	–	0.39	-0.15	-0.19	-0.17	0.39
11224160	FT	MC	1,083	0.31	0.23	0.24	0.22	0.31	–	0.27	-0.11	-0.18	-0.01	0.27
11224200	FT	MC	1,074	0.61	0.10	0.13	0.61	0.16	–	0.42	-0.17	-0.26	0.42	-0.18
11224250	FT	MC	1,078	0.30	0.22	0.24	0.30	0.24	–	0.16	-0.14	0.04	0.16	-0.07
21109540	FT	MC	1,322	0.73	0.17	0.05	0.73	0.05	–	0.39	-0.21	-0.25	0.39	-0.21
21096450	VL	Non-MC	1,241	0.51	0.28	0.41	0.31	–	–	0.32	-0.32	0.09	0.22	–
21107240	VL	Non-MC	1,254	0.46	0.29	0.51	0.20	–	–	0.39	-0.28	-0.03	0.36	–

ELA Grade 5														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21107270	HL	Non-MC	22,290	0.50	0.24	0.51	0.25	–	–	0.41	-0.35	0.03	0.31	–
21107280	OP	Non-MC	12,269	0.63	0.06	0.63	0.31	–	–	0.49	-0.33	-0.24	0.42	–
21107330	OP	Non-MC	1,277	0.44	0.29	0.53	0.18	–	–	0.50	-0.41	0.06	0.40	–
21107370	HL	Non-MC	10,876	0.43	0.27	0.60	0.13	–	–	0.29	-0.25	0.09	0.20	–
21107380	OP	Non-MC	3,148	0.38	0.33	0.59	0.09	–	–	0.24	-0.21	0.12	0.15	–
21107390	HL	Non-MC	22,290	0.62	0.15	0.45	0.40	–	–	0.51	-0.35	-0.21	0.47	–
21107400	HL	Non-MC	22,290	0.62	0.07	0.62	0.31	–	–	0.42	-0.33	-0.15	0.33	–
21107410	VL	Non-MC	1,240	0.45	0.35	0.40	0.25	–	–	0.61	-0.53	0.07	0.50	–
21107420	VL	Non-MC	1,240	0.55	0.14	0.62	0.24	–	–	0.29	-0.26	0.01	0.20	–
21107500	HL	Non-MC	11,414	0.53	0.22	0.50	0.28	–	–	0.41	-0.49	0.23	0.19	–
21107550	VL	Non-MC	1,240	0.34	0.43	0.48	0.10	–	–	0.06	-0.07	0.05	0.02	–
21107610	HL	Non-MC	11,414	0.45	0.27	0.55	0.17	–	–	0.32	-0.47	0.42	0.01	–
21107630	OP	Non-MC	8,971	0.44	0.50	0.13	0.37	–	–	0.50	-0.45	-0.03	0.48	–
21107650	OP	Non-MC	20,307	0.30	0.55	0.29	0.16	–	–	0.49	-0.44	0.16	0.41	–
21107720	OP	Non-MC	3,216	0.41	0.35	0.47	0.17	–	–	0.58	-0.56	0.25	0.37	–
21107730	OP	Non-MC	9,836	0.43	0.46	0.21	0.32	–	–	0.52	-0.39	-0.15	0.55	–
21107920	OP	Non-MC	13,560	0.45	0.45	0.20	0.35	–	–	0.53	-0.48	–	0.49	–
21107940	OP	Non-MC	10,387	0.45	0.47	0.17	0.36	–	–	0.41	-0.35	-0.07	0.42	–
21107950	OP	Non-MC	4,978	0.45	0.51	0.08	0.40	–	–	0.29	-0.22	-0.20	0.33	–
21108000	OP	Non-MC	2,857	0.39	0.42	0.38	0.20	–	–	0.45	-0.39	0.09	0.36	–
21108010	OP	Non-MC	369	0.39	0.47	0.27	0.25	–	–	0.53	-0.43	-0.02	0.52	–
21108020	OP	Non-MC	14,169	0.40	0.55	0.11	0.35	–	–	0.44	-0.38	-0.10	0.46	–
21108150	OP	Non-MC	16,979	0.42	0.55	0.05	0.39	–	–	0.48	-0.42	-0.21	0.52	–
21108190	VL	Non-MC	1,254	0.33	0.50	0.35	0.15	–	–	0.43	-0.37	0.12	0.36	–
11189180	FT	Non-MC	1,328	0.14	0.73	0.27	–	–	–	0.23	-0.23	0.23	–	–
11189190	FT	Non-MC	1,084	0.25	0.75	0.25	–	–	–	0.35	-0.35	0.35	–	–
11189210	FT	Non-MC	1,335	0.45	0.47	0.15	0.38	–	–	0.39	-0.31	-0.15	0.42	–
11189250	FT	Non-MC	1,332	0.17	0.67	0.33	–	–	–	0.34	-0.34	0.34	–	–
11189280	FT	Non-MC	1,324	0.49	0.39	0.24	0.37	–	–	0.39	-0.35	–	0.35	–
11189290	FT	Non-MC	1,071	0.55	0.45	0.55	–	–	–	0.43	-0.43	0.43	–	–
11191640	FT	Non-MC	1,333	0.50	0.37	0.26	0.37	–	–	0.50	-0.39	-0.12	0.50	–
11194230	FT	Non-MC	1,066	0.11	0.89	0.11	–	–	–	0.16	-0.16	0.16	–	–
11194260	FT	Non-MC	1,327	0.35	0.48	0.34	0.18	–	–	0.32	-0.27	0.05	0.29	–

ELA Grade 5														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11194270	FT	Non-MC	1,327	0.51	0.29	0.39	0.32	–	–	0.38	-0.44	0.23	0.20	–
11194840	FT	Non-MC	1,327	0.43	0.48	0.17	0.35	–	–	0.38	-0.35	0.01	0.36	–
11194880	FT	Non-MC	1,334	0.41	0.35	0.48	0.17	–	–	0.26	-0.20	0.03	0.22	–
11194890	FT	Non-MC	1,329	0.38	0.31	0.62	0.07	–	–	0.08	-0.07	0.04	0.05	–
11194900	FT	Non-MC	1,075	0.43	0.57	0.43	–	–	–	0.30	-0.30	0.30	–	–
11194920	FT	Non-MC	1,073	0.03	0.97	0.03	–	–	–	0.14	-0.14	0.14	–	–
11194940	FT	Non-MC	1,324	0.52	0.19	0.59	0.22	–	–	0.49	-0.38	-0.02	0.39	–
11194960	FT	Non-MC	1,332	0.45	0.55	0.45	–	–	–	0.34	-0.34	0.34	–	–
11195350	FT	Non-MC	1,071	0.11	0.89	0.11	–	–	–	0.12	-0.12	0.12	–	–
11200360	FT	Non-MC	1,071	0.68	0.32	0.68	–	–	–	0.51	-0.51	0.51	–	–
11200480	FT	Non-MC	1,319	0.32	0.48	0.40	0.12	–	–	0.19	-0.24	0.22	0.04	–
11200520	FT	Non-MC	1,336	0.75	0.07	0.35	0.58	–	–	0.09	-0.26	0.16	-0.02	–
11200660	FT	Non-MC	1,143	0.06	0.94	0.06	–	–	–	0.08	-0.08	0.08	–	–
11201560	FT	Non-MC	1,078	0.64	0.36	0.64	–	–	–	0.44	-0.44	0.44	–	–
11201680	FT	Non-MC	1,085	0.61	0.39	0.61	–	–	–	0.39	-0.39	0.39	–	–
11201920	FT	Non-MC	1,324	0.65	0.04	0.61	0.35	–	–	0.21	-0.14	-0.12	0.18	–
11201930	FT	Non-MC	1,083	0.07	0.93	0.07	–	–	–	0.15	-0.15	0.15	–	–
11201970	FT	Non-MC	1,328	0.51	0.19	0.60	0.21	–	–	0.34	-0.27	-0.01	0.26	–
11206330	FT	Non-MC	1,333	0.62	0.12	0.52	0.36	–	–	0.44	-0.27	-0.22	0.41	–
11219420	FT	Non-MC	1,093	0.58	0.42	0.58	–	–	–	0.43	-0.43	0.43	–	–
11219430	FT	Non-MC	1,317	0.54	0.42	0.08	0.50	–	–	0.45	-0.39	-0.18	0.48	–
11219440	FT	Non-MC	1,321	0.60	0.21	0.39	0.41	–	–	0.52	-0.40	-0.15	0.48	–
11219480	FT	Non-MC	1,067	0.84	0.16	0.84	–	–	–	0.39	-0.39	0.39	–	–
11219500	FT	Non-MC	1,320	0.73	0.15	0.23	0.61	–	–	0.41	-0.27	-0.26	0.43	–
11224170	FT	Non-MC	1,333	0.54	0.22	0.50	0.29	–	–	0.46	-0.33	-0.11	0.42	–
11224180	FT	Non-MC	1,082	0.15	0.85	0.15	–	–	–	0.36	-0.36	0.36	–	–
11224190	FT	Non-MC	1,333	0.39	0.57	0.08	0.35	–	–	0.25	-0.18	-0.22	0.31	–
11224210	FT	Non-MC	1,331	0.45	0.50	0.10	0.40	–	–	0.43	-0.34	-0.21	0.47	–
11224220	FT	Non-MC	1,334	0.54	0.16	0.60	0.24	–	–	0.31	-0.23	-0.06	0.26	–
11224230	FT	Non-MC	1,069	0.40	0.60	0.40	–	–	–	0.40	-0.40	0.40	–	–
21109510	FT	Non-MC	1,322	0.10	0.90	0.10	–	–	–	0.22	-0.22	0.22	–	–
21109520	FT	Non-MC	1,322	0.46	0.26	0.57	0.17	–	–	0.32	-0.26	0.05	0.24	–
21109530	FT	Non-MC	1,322	0.10	0.80	0.20	–	–	–	0.27	-0.27	0.27	–	–

Table F.4. Classical Item-Level Statistics—ELA Grade 6

ELA Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11188460	OP	MC	934	0.51	0.26	0.17	0.06	0.51	–	0.25	-0.06	-0.16	-0.18	0.25
11188470	OP	MC	35	0.49	0.20	0.49	0.17	0.14	–	0.44	-0.26	0.44	-0.07	-0.25
11188540	OP	MC	1	–	–	1.00	–	–	–	–	–	–	–	–
11188550	OP	MC	969	0.43	0.17	0.43	0.15	0.25	–	0.36	-0.14	0.36	-0.19	-0.13
11188570	OP	MC	970	0.66	0.66	0.11	0.05	0.19	–	0.34	0.34	-0.11	-0.14	-0.25
11191300	OP	MC	2	0.50	0.50	–	–	0.50	–	1.00	1.00	–	–	-1.00
11191710	OP	MC	444	0.89	0.02	0.89	0.01	0.07	–	0.25	-0.13	0.25	-0.07	-0.19
11191720	OP	MC	240	0.92	0.92	0.05	0.02	0.01	–	0.12	0.12	-0.10	-0.04	-0.06
11191730	HL	MC	11,227	0.69	0.13	0.13	0.69	0.05	–	0.51	-0.34	-0.20	0.51	-0.24
11191740	HL	MC	11,227	0.53	0.22	0.53	0.12	0.12	–	0.29	0.02	0.29	-0.25	-0.22
11191750	HL	MC	11,227	0.58	0.58	0.07	0.27	0.08	–	0.33	0.33	-0.27	-0.11	-0.19
11191760	OP	MC	3,635	0.57	0.18	0.57	0.08	0.16	–	0.42	-0.24	0.42	-0.20	-0.16
11191770	HL	MC	11,227	0.68	0.02	0.08	0.68	0.23	–	0.33	-0.15	-0.10	0.33	-0.26
11191790	OP	MC	5	0.60	0.40	0.60	–	–	–	0.36	-0.36	0.36	–	–
11191800	OP	MC	1	–	–	–	1.00	–	–	–	–	–	–	–
11191810	OP	MC	6,071	0.53	0.25	0.08	0.53	0.13	–	0.36	-0.19	-0.21	0.36	-0.12
11191820	OP	MC	7,031	0.57	0.09	0.20	0.14	0.57	–	0.62	-0.24	-0.35	-0.29	0.62
11191830	OP	MC	2,521	0.47	0.25	0.47	0.21	0.07	–	0.26	-0.07	0.26	-0.16	-0.12
11191840	HL	MC	23,322	0.46	0.27	0.17	0.46	0.11	–	0.44	-0.14	-0.24	0.44	-0.21
11191850	OP	MC	5,668	0.41	0.17	0.08	0.33	0.41	–	0.31	-0.12	-0.20	-0.12	0.31
11191860	OP	MC	4,979	0.54	0.20	0.15	0.11	0.54	–	0.29	-0.12	-0.09	-0.20	0.29
11191870	OP	MC	19,194	0.65	0.65	0.06	0.12	0.18	–	0.46	0.46	-0.24	-0.31	-0.18
11191880	OP	MC	6,589	0.49	0.21	0.19	0.49	0.12	–	0.26	-0.12	-0.15	0.26	-0.08
11191890	OP	MC	15,386	0.41	0.26	0.15	0.18	0.41	–	0.38	-0.09	-0.20	-0.20	0.38
11191900	OP	MC	17,852	0.65	0.65	0.25	0.07	0.03	–	0.40	0.40	-0.25	-0.22	-0.14
11191910	OP	MC	651	0.31	0.18	0.31	0.30	0.20	–	0.30	-0.09	0.30	-0.20	-0.03
11191920	OP	MC	8,254	0.68	0.68	0.16	0.05	0.11	–	0.44	0.44	-0.26	-0.25	-0.17
11191930	OP	MC	4,317	0.32	0.13	0.28	0.27	0.32	–	0.30	-0.14	-0.02	-0.18	0.30
11191940	OP	MC	4,088	0.60	0.13	0.18	0.60	0.10	–	0.48	-0.24	-0.24	0.48	-0.21
11191950	OP	MC	10,021	0.62	0.05	0.27	0.06	0.62	–	0.52	-0.19	-0.36	-0.22	0.52
11191960	HL	MC	23,322	0.85	0.04	0.09	0.02	0.85	–	0.46	-0.17	-0.34	-0.24	0.46
11191970	OP	MC	1,206	0.43	0.43	0.16	0.17	0.24	–	0.26	0.26	-0.21	-0.13	–

ELA Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11219090	OP	MC	1,739	0.72	0.18	0.72	0.08	0.03	–	0.47	-0.37	0.47	-0.18	-0.12
11219110	OP	MC	2,230	0.36	0.02	0.36	0.02	0.61	–	0.16	-0.08	0.16	-0.05	-0.13
21048170	OP	MC	3,508	0.34	0.23	0.17	0.34	0.27	–	0.28	-0.09	-0.11	0.28	-0.11
21048180	HL	MC	12,095	0.73	0.07	0.07	0.13	0.73	–	0.43	-0.24	-0.29	-0.17	0.43
21048190	HL	MC	23,322	0.44	0.10	0.21	0.25	0.44	–	0.35	-0.22	-0.13	-0.13	0.35
21048200	OP	MC	4,477	0.51	0.51	0.15	0.21	0.13	–	0.12	0.12	-0.12	-0.03	-0.01
21048210	OP	MC	2,711	0.41	0.23	0.08	0.28	0.41	–	0.42	-0.18	-0.17	-0.20	0.42
21048220	OP	MC	1,461	0.50	0.23	0.50	0.15	0.12	–	0.36	-0.19	0.36	-0.18	-0.10
21048230	HL	MC	23,322	0.32	0.32	0.29	0.22	0.17	–	0.26	0.26	-0.05	-0.20	-0.05
21048240	OP	MC	2,182	0.31	0.31	0.28	0.29	0.12	–	0.24	0.24	-0.06	-0.12	-0.09
21048260	OP	MC	474	0.33	0.28	0.33	0.28	0.11	–	0.41	-0.25	0.41	-0.09	-0.13
21048380	VL	MC	1,250	0.42	0.28	0.23	0.07	0.42	–	0.37	-0.17	-0.11	-0.24	0.37
21048400	VL	MC	1,250	0.61	0.17	0.12	0.61	0.10	–	0.47	-0.32	-0.11	0.47	-0.25
21048460	VL	MC	1,397	0.56	0.13	0.12	0.19	0.56	–	0.36	-0.21	-0.21	-0.11	0.36
21048470	VL	MC	1,302	0.53	0.20	0.18	0.09	0.53	–	0.38	-0.18	-0.19	-0.15	0.38
21052620	OP	MC	2	–	–	0.50	0.50	–	–	–	–	1.00	-1.00	–
21052630	OP	MC	71	0.15	0.15	0.30	0.38	0.17	–	0.36	0.36	-0.22	0.08	-0.19
21052640	OP	MC	428	0.38	0.22	0.38	0.20	0.21	–	0.38	-0.10	0.38	-0.16	-0.20
21052650	OP	MC	286	0.42	0.19	0.22	0.42	0.16	–	0.22	-0.16	-0.10	0.22	–
21052660	OP	MC	375	0.45	0.23	0.45	0.18	0.13	–	0.16	0.02	0.16	-0.16	-0.07
21052670	OP	MC	380	0.29	0.20	0.29	0.31	0.20	–	0.26	–	0.26	-0.11	-0.16
21052680	OP	MC	417	0.37	0.19	0.37	0.24	0.21	–	0.27	-0.01	0.27	-0.11	-0.20
21052740	OP	MC	109	0.33	0.16	0.26	0.26	0.33	–	0.46	-0.20	-0.17	-0.15	0.46
21052760	OP	MC	23	0.35	0.30	0.35	0.26	0.09	–	0.26	–	0.26	-0.31	0.04
21052780	OP	MC	2	–	1.00	–	–	–	–	–	–	–	–	–
21052790	OP	MC	89	0.45	0.24	0.45	0.01	0.30	–	0.11	0.06	0.11	-0.07	-0.15
21052800	OP	MC	110	0.32	0.21	0.24	0.32	0.24	–	0.32	-0.15	-0.15	0.32	-0.05
21052810	OP	MC	1	1.00	–	1.00	–	–	–	–	–	–	–	–
21052820	OP	MC	3	–	0.33	–	0.67	–	–	–	0.50	–	-0.50	–
21052830	OP	MC	106	0.29	0.29	0.24	0.33	0.14	–	0.44	0.44	-0.17	-0.22	-0.08
21052850	OP	MC	3	–	–	0.33	0.67	–	–	–	–	-1.00	1.00	–
21052950	OP	MC	2	0.50	–	0.50	–	0.50	–	1.00	–	1.00	–	-1.00
21052960	OP	MC	35	0.37	0.23	0.14	0.37	0.26	–	0.49	-0.20	-0.10	0.49	-0.27

ELA Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21052970	OP	MC	34	0.41	0.24	0.26	0.41	0.09	–	0.47	-0.30	-0.12	0.47	-0.19
21052980	OP	MC	23	0.39	0.35	0.13	0.13	0.39	–	0.59	-0.44	0.01	-0.26	0.59
21052990	OP	MC	34	0.26	0.21	0.24	0.26	0.29	–	0.27	-0.08	-0.05	0.27	-0.14
21053000	OP	MC	6	0.17	0.67	–	0.17	0.17	–	-0.44	0.44	–	-0.44	-0.11
21053010	OP	MC	36	0.53	0.53	0.14	0.11	0.22	–	0.63	0.63	-0.33	-0.13	-0.38
21053020	OP	MC	10	0.30	0.30	0.20	0.30	0.20	–	0.18	0.18	-0.27	0.29	-0.28
21053040	OP	MC	10	0.70	0.10	0.70	0.10	0.10	–	-0.40	0.36	-0.40	-0.54	0.79
21053060	OP	MC	201	0.31	0.31	0.27	0.20	0.21	–	0.41	0.41	-0.09	-0.18	-0.19
21053070	OP	MC	201	0.29	0.29	0.28	0.24	0.19	–	0.27	0.27	-0.12	-0.05	-0.13
21053090	OP	MC	189	0.37	0.21	0.25	0.18	0.37	–	0.36	-0.14	-0.14	-0.15	0.36
21053110	OP	MC	25	0.20	0.20	0.36	0.12	0.32	–	0.27	0.27	-0.21	0.01	-0.02
21053130	OP	MC	3	0.33	0.33	0.33	0.33	–	–	0.50	0.50	-1.00	0.50	–
21053140	OP	MC	3	–	–	–	0.67	0.33	–	–	–	–	-0.50	0.50
21053150	OP	MC	186	0.34	0.20	0.19	0.27	0.34	–	0.29	0.02	-0.22	-0.14	0.29
21053220	OP	MC	1	–	–	1.00	–	–	–	–	–	–	–	–
21053230	OP	MC	1	–	–	1.00	–	–	–	–	–	–	–	–
21053250	OP	MC	1	–	–	–	–	1.00	–	–	–	–	–	–
21053290	OP	MC	1	1.00	–	–	–	1.00	–	–	–	–	–	–
21053310	OP	MC	1	–	1.00	–	–	–	–	–	–	–	–	–
21053360	OP	MC	46	0.30	0.15	0.17	0.30	0.37	–	0.53	0.06	-0.21	0.53	-0.38
21053380	OP	MC	66	0.35	0.18	0.32	0.15	0.35	–	0.39	-0.03	-0.20	-0.24	0.39
21053430	OP	MC	24	0.46	0.08	0.46	0.17	0.29	–	0.27	-0.46	0.27	0.34	-0.30
21053440	OP	MC	30	0.50	0.50	0.27	0.20	0.03	–	-0.03	-0.03	-0.16	0.25	-0.10
21053470	OP	MC	1	–	–	–	–	1.00	–	–	–	–	–	–
21053480	OP	MC	34	0.38	0.06	0.26	0.38	0.29	–	0.51	-0.13	-0.47	0.51	-0.02
21053490	OP	MC	119	0.44	0.20	0.44	0.18	0.18	–	0.24	-0.21	0.24	-0.10	0.01
21053520	OP	MC	108	0.25	0.31	0.19	0.26	0.25	–	0.25	-0.15	0.01	-0.11	0.25
21053570	OP	MC	34	0.18	0.18	0.38	0.32	0.12	–	0.29	0.29	0.10	-0.26	-0.11
21053580	OP	MC	34	0.32	0.32	0.24	0.18	0.26	–	0.39	0.39	–	-0.20	-0.24
21053590	OP	MC	34	0.29	0.32	0.26	0.29	0.12	–	0.55	-0.52	-0.07	0.55	0.06
21053610	OP	MC	49	0.31	0.16	0.22	0.31	0.31	–	0.33	-0.39	-0.05	0.33	0.02
21053790	OP	MC	9	0.22	0.22	0.11	0.56	0.11	–	-0.02	-0.02	-0.20	0.27	-0.20
21054950	OP	MC	3	–	–	0.33	0.67	–	–	–	–	0.50	-0.50	–

ELA Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21054970	OP	MC	158	0.36	0.18	0.36	0.23	0.22	–	0.29	-0.16	0.29	-0.09	-0.10
21054990	OP	MC	12	0.50	0.25	0.08	0.50	0.17	–	0.78	-0.27	-0.35	0.78	-0.47
21055000	OP	MC	176	0.84	0.06	0.84	0.02	0.09	–	0.43	-0.37	0.43	-0.37	-0.07
21055060	OP	MC	5	0.40	0.40	0.60	–	–	–	0.18	0.18	-0.18	–	–
21055220	OP	MC	3	–	–	–	0.33	0.67	–	–	–	–	0.98	-0.98
21055240	OP	MC	176	0.72	0.16	0.72	0.05	0.07	–	0.48	-0.14	0.48	-0.48	-0.23
21055250	OP	MC	158	0.49	0.35	0.08	0.08	0.49	–	0.36	-0.13	-0.19	-0.24	0.36
21055260	OP	MC	16	0.56	0.31	0.06	0.56	0.06	–	0.16	-0.09	-0.13	0.16	-0.01
21055270	OP	MC	12	0.50	0.25	0.08	0.50	0.17	–	0.54	-0.35	–	0.54	-0.31
21055300	OP	MC	5	0.40	0.20	–	0.40	0.40	–	0.54	-0.31	–	-0.29	0.54
21055330	OP	MC	4	0.25	0.25	0.25	–	0.50	–	0.57	-0.47	0.57	–	-0.09
21055520	OP	MC	9	0.56	0.56	–	0.22	0.22	–	0.53	0.53	–	-0.24	-0.39
21055540	OP	MC	13	0.38	0.15	0.38	0.38	0.08	–	0.35	0.16	0.35	-0.40	-0.13
21055560	OP	MC	13	0.54	–	0.15	0.31	0.54	–	0.39	–	-0.01	-0.42	0.39
21055600	OP	MC	67	0.27	0.39	0.15	0.27	0.19	–	0.24	-0.02	-0.16	0.24	-0.11
21055610	OP	MC	66	0.27	0.15	0.27	0.33	0.24	–	0.37	-0.17	0.37	-0.10	-0.14
21055680	OP	MC	67	0.58	0.16	0.15	0.10	0.58	–	0.45	-0.23	-0.24	-0.16	0.45
21055700	OP	MC	51	0.39	0.08	0.22	0.39	0.31	–	0.17	0.01	-0.17	0.17	-0.03
21055760	OP	MC	1	–	–	–	–	1.00	–	–	–	–	–	–
21055780	OP	MC	1	–	–	–	1.00	–	–	–	–	–	–	–
21055820	OP	MC	1	–	–	–	1.00	–	–	–	–	–	–	–
21055910	OP	MC	1	1.00	1.00	–	–	–	–	–	–	–	–	–
21055930	OP	MC	1	1.00	–	1.00	–	–	–	–	–	–	–	–
21056410	OP	MC	57	0.30	0.18	0.14	0.39	0.30	–	0.37	-0.26	0.18	-0.27	0.37
21056490	OP	MC	3	–	0.33	0.33	0.33	–	–	–	-0.46	1.00	-0.54	–
21056500	OP	MC	9	0.44	0.22	0.44	0.11	0.22	–	0.04	0.05	0.04	0.08	-0.15
21056520	OP	MC	45	0.22	0.22	0.24	0.24	0.29	–	0.41	0.41	0.01	-0.38	-0.03
21056540	OP	MC	54	0.30	0.11	0.26	0.30	0.33	–	0.10	0.08	-0.02	0.10	-0.13
21056550	OP	MC	57	0.32	0.32	0.18	0.30	0.21	–	0.22	0.22	-0.28	-0.01	0.02
21056560	OP	MC	7	0.14	0.14	0.43	0.14	0.29	–	0.70	0.25	-0.02	0.70	-0.71
21056760	OP	MC	92	0.38	0.32	0.22	0.09	0.38	–	0.47	-0.40	-0.11	0.01	0.47
21056780	OP	MC	60	0.30	0.25	0.28	0.30	0.17	–	0.38	-0.10	-0.15	0.38	-0.17
21056790	OP	MC	6	0.33	0.17	0.50	0.33	–	–	0.68	0.33	-0.89	0.68	–

ELA Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21056800	OP	MC	35	0.20	0.09	0.20	0.46	0.26	–	0.39	0.20	0.39	-0.15	-0.31
21056870	OP	MC	169	0.54	0.54	0.09	0.20	0.16	–	0.23	0.23	-0.15	-0.04	-0.14
21056880	OP	MC	6	1.00	–	–	–	1.00	–	–	–	–	–	–
21056910	OP	MC	1	1.00	–	–	1.00	–	–	–	–	–	–	–
21056930	OP	MC	6	0.67	0.17	0.67	0.17	–	–	0.47	0.06	0.47	-0.65	–
21056960	OP	MC	169	0.43	0.08	0.36	0.13	0.43	–	0.32	–	-0.14	-0.28	0.32
21056970	OP	MC	168	0.49	0.08	0.42	0.01	0.49	–	0.20	-0.08	-0.17	0.03	0.20
21056980	OP	MC	6	1.00	1.00	–	–	–	–	–	–	–	–	–
21071200	HL	MC	23,322	0.53	0.12	0.21	0.14	0.53	–	0.37	-0.14	-0.13	-0.26	0.37
21071210	HL	MC	23,322	0.64	0.64	0.20	0.11	0.06	–	0.38	0.38	-0.11	-0.29	-0.21
21071220	HL	MC	23,322	0.76	0.04	0.76	0.08	0.12	–	0.47	-0.22	0.47	-0.25	-0.26
21071230	HL	MC	23,322	0.54	0.54	0.26	0.13	0.08	–	0.37	0.37	-0.03	-0.33	-0.24
21071240	HL	MC	23,322	0.69	0.16	0.06	0.69	0.09	–	0.51	-0.29	-0.24	0.51	-0.26
21071250	HL	MC	23,322	0.60	0.60	0.11	0.24	0.05	–	0.36	0.36	-0.23	-0.14	-0.21
21071260	HL	MC	23,322	0.45	0.04	0.45	0.06	0.46	–	0.38	-0.22	0.38	-0.26	-0.17
21071270	OP	MC	8,098	0.55	0.15	0.13	0.55	0.18	–	0.43	-0.15	-0.22	0.43	-0.24
21071280	HL	MC	23,322	0.63	0.15	0.63	0.17	0.05	–	0.43	-0.27	0.43	-0.19	-0.19
21071290	OP	MC	3,702	0.52	0.20	0.19	0.52	0.09	–	0.31	-0.11	-0.17	0.31	-0.16
21071300	OP	MC	4,068	0.43	0.16	0.43	0.30	0.11	–	0.30	-0.12	0.30	-0.13	-0.15
21071330	OP	MC	5,183	0.49	0.49	0.12	0.26	0.13	–	0.31	0.31	-0.24	-0.07	-0.14
21071340	OP	MC	1,798	0.41	0.41	0.21	0.04	0.35	–	0.27	0.27	-0.21	-0.15	-0.04
21071500	VL	MC	1,250	0.44	0.41	0.44	0.09	0.07	–	0.22	-0.01	0.22	-0.26	-0.12
21071510	VL	MC	1,250	0.55	0.05	0.22	0.55	0.17	–	0.36	-0.24	-0.16	0.36	-0.16
21071560	VL	MC	1,250	0.46	0.23	0.19	0.46	0.12	–	0.22	-0.07	-0.07	0.22	-0.18
21072160	OP	MC	1,537	0.83	0.01	0.83	0.04	0.12	–	0.41	-0.23	0.41	-0.43	-0.14
21072170	OP	MC	221	0.35	0.35	0.26	0.28	0.11	–	0.39	0.39	-0.15	-0.30	0.04
21072180	OP	MC	221	0.38	0.15	0.31	0.38	0.16	–	0.37	-0.05	-0.33	0.37	-0.02
21072190	OP	MC	2,000	0.68	0.15	0.03	0.14	0.68	–	0.33	-0.20	-0.09	-0.19	0.33
21072220	OP	MC	4	0.75	–	0.75	0.25	–	–	0.38	–	0.38	-0.38	–
21072250	OP	MC	9	0.56	0.11	0.11	0.22	0.56	–	0.36	0.15	-0.35	-0.28	0.36
21072260	OP	MC	2	–	–	1.00	–	–	–	–	–	–	–	–
21072290	OP	MC	4	0.50	0.50	0.25	0.25	–	–	-0.06	-0.06	0.61	-0.54	–
21072300	OP	MC	8	0.25	–	0.63	0.13	0.25	–	-0.06	–	0.06	-0.01	-0.06

ELA Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21072890	VL	MC	1,397	0.59	0.59	0.06	0.10	0.24	–	0.34	0.34	-0.29	-0.22	-0.07
21073040	VL	MC	1,397	0.69	0.09	0.11	0.69	0.10	–	0.53	-0.23	-0.31	0.53	-0.26
21073050	VL	MC	1,397	0.65	0.13	0.18	0.65	0.05	–	0.37	-0.17	-0.20	0.37	-0.20
21073070	VL	MC	1,397	0.58	0.58	0.10	0.13	0.19	–	0.42	0.42	-0.22	-0.18	-0.20
21073090	VL	MC	1,397	0.47	0.31	0.47	0.08	0.14	–	0.32	-0.04	0.32	-0.25	-0.21
21073590	VL	MC	1,302	0.66	0.10	0.11	0.66	0.14	–	0.46	-0.16	-0.30	0.46	-0.23
21073600	VL	MC	1,302	0.54	0.25	0.54	0.11	0.10	–	0.38	-0.15	0.38	-0.26	-0.15
21074010	VL	MC	1,302	0.56	0.09	0.08	0.27	0.56	–	0.31	-0.22	-0.25	-0.05	0.31
21074280	VL	MC	1,302	0.54	0.07	0.54	0.14	0.24	–	0.35	-0.22	0.35	-0.22	-0.10
21074340	VL	MC	1,370	0.74	0.06	0.08	0.12	0.74	–	0.49	-0.22	-0.28	-0.27	0.49
21074360	VL	MC	1,370	0.55	0.13	0.12	0.20	0.55	–	0.38	-0.12	-0.26	-0.16	0.38
21074370	OP	MC	4,139	0.28	0.04	0.55	0.28	0.13	–	0.39	-0.13	-0.20	0.39	-0.16
21074380	OP	MC	11,474	0.60	0.24	0.08	0.09	0.60	–	0.52	-0.23	-0.29	-0.28	0.52
21074390	OP	MC	15,467	0.65	0.08	0.25	0.02	0.65	–	0.34	-0.18	-0.22	-0.14	0.34
21074400	OP	MC	3,692	0.48	0.08	0.21	0.48	0.23	–	0.25	-0.11	-0.17	0.25	-0.06
21074410	OP	MC	6,382	0.52	0.52	0.12	0.28	0.09	–	0.28	0.28	-0.16	-0.10	-0.16
21074420	OP	MC	3,834	0.42	0.42	0.11	0.38	0.09	–	0.36	0.36	-0.20	-0.14	-0.18
21074450	OP	MC	6,369	0.43	0.43	0.06	0.44	0.07	–	0.28	0.28	-0.13	-0.16	-0.11
21074460	OP	MC	3,211	0.50	0.02	0.09	0.38	0.50	–	0.35	-0.22	-0.22	-0.16	0.35
21074470	OP	MC	2,691	0.38	0.20	0.38	0.29	0.13	–	0.32	-0.08	0.32	-0.16	-0.16
21074480	OP	MC	544	0.49	0.16	0.21	0.49	0.14	–	0.57	-0.25	-0.29	0.57	-0.21
21074490	OP	MC	5,440	0.48	0.08	0.29	0.48	0.15	–	0.26	-0.17	-0.09	0.26	-0.12
21074500	HL	MC	12,095	0.42	0.13	0.42	0.16	0.28	–	0.37	-0.08	0.37	-0.14	-0.23
21074510	VL	MC	1,370	0.47	0.24	0.47	0.17	0.12	–	0.35	-0.07	0.35	-0.18	-0.23
21074520	VL	MC	1,370	0.48	0.48	0.20	0.26	0.07	–	0.38	0.38	-0.24	-0.10	-0.21
21074530	OP	MC	2,458	0.37	0.19	0.37	0.29	0.16	–	0.25	-0.14	0.25	-0.05	-0.12
21074540	OP	MC	15	0.47	0.13	0.13	0.47	0.27	–	0.53	-0.39	0.32	0.53	-0.54
21074550	OP	MC	1,178	0.41	0.24	0.41	0.22	0.13	–	0.33	-0.17	0.33	-0.13	-0.11
21074560	OP	MC	4,273	0.51	0.31	0.12	0.51	0.06	–	0.25	-0.07	-0.19	0.25	-0.12
21074570	OP	MC	2,247	0.45	0.45	0.16	0.24	0.15	–	0.32	0.32	-0.15	-0.15	-0.12
21074580	OP	MC	531	0.42	0.42	0.16	0.23	0.19	–	0.53	0.53	-0.26	-0.27	-0.13
21074590	OP	MC	2,583	0.38	0.38	0.21	0.18	0.23	–	0.34	0.34	-0.12	-0.20	-0.09
21074600	OP	MC	5,799	0.53	0.06	0.33	0.08	0.53	–	0.32	-0.20	-0.09	-0.25	0.32

ELA Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21074610	HL	MC	12,095	0.67	0.67	0.15	0.08	0.10	–	0.49	0.49	-0.26	-0.28	-0.21
21074620	OP	MC	6,692	0.44	0.19	0.44	0.20	0.17	–	0.26	-0.13	0.26	-0.08	-0.13
21074630	OP	MC	3,823	0.41	0.17	0.41	0.30	0.12	–	0.32	-0.13	0.32	-0.13	-0.16
21074640	OP	MC	6,472	0.31	0.26	0.23	0.31	0.19	–	0.24	-0.01	-0.15	0.24	-0.12
21074650	OP	MC	1,682	0.38	0.17	0.25	0.20	0.38	–	0.31	-0.07	-0.11	-0.20	0.31
21074660	OP	MC	258	0.32	0.17	0.32	0.28	0.23	–	0.33	-0.11	0.33	-0.13	-0.13
21074670	OP	MC	1,904	0.75	0.03	0.04	0.18	0.75	–	0.44	-0.24	-0.24	-0.26	0.44
21074680	OP	MC	784	0.55	0.55	0.17	0.20	0.09	–	0.26	0.26	-0.12	-0.05	-0.22
21074690	OP	MC	2,223	0.34	0.13	0.34	0.35	0.18	–	0.25	-0.12	0.25	-0.07	-0.12
21074700	VL	MC	1,370	0.43	0.15	0.43	0.21	0.21	–	0.34	-0.01	0.34	-0.23	-0.17
21074720	OP	MC	47	0.98	0.02	–	–	0.98	–	0.41	-0.41	–	–	0.41
21074810	HL	MC	12,095	0.68	0.09	0.68	0.07	0.16	–	0.54	-0.26	0.54	-0.30	-0.27
21074820	HL	MC	12,095	0.60	0.10	0.26	0.60	0.05	–	0.41	-0.27	-0.17	0.41	-0.23
21074840	OP	MC	2	–	–	–	1.00	–	–	–	–	–	–	–
21074850	OP	MC	245	0.56	0.16	0.17	0.11	0.56	–	0.53	-0.23	-0.28	-0.25	0.53
21074860	OP	MC	51	0.39	0.14	0.04	0.43	0.39	–	0.10	0.04	-0.20	-0.05	0.10
21074870	OP	MC	390	0.32	0.32	0.26	0.26	0.16	–	0.41	0.41	-0.19	-0.21	-0.04
21076030	OP	MC	1	1.00	–	–	–	1.00	–	–	–	–	–	–
21076040	OP	MC	2	–	1.00	–	–	–	–	–	–	–	–	–
21076110	OP	MC	2	0.50	0.50	0.50	–	–	–	1.00	1.00	-1.00	–	–
21076130	OP	MC	2	0.50	–	0.50	0.50	–	–	1.00	–	1.00	-1.00	–
21076470	OP	MC	63	0.76	0.76	0.08	0.06	0.10	–	0.44	0.44	-0.20	-0.27	-0.22
21077060	OP	MC	63	0.54	0.17	0.13	0.54	0.16	–	0.38	-0.29	-0.21	0.38	-0.03
21077070	OP	MC	60	0.17	0.47	0.17	0.17	0.20	–	0.26	0.10	0.26	-0.19	-0.19
21077100	OP	MC	3	0.33	0.67	0.33	–	–	–	–	–	–	–	–
21077350	OP	MC	63	0.38	0.19	0.29	0.14	0.38	–	0.43	-0.06	-0.28	-0.18	0.43
21077400	OP	MC	221	0.39	0.21	0.25	0.39	0.14	–	0.26	-0.14	-0.09	0.26	-0.09
21077410	OP	MC	2,000	0.48	0.27	0.04	0.21	0.48	–	0.26	-0.15	-0.11	-0.11	0.26
21077450	OP	MC	2,000	0.32	0.49	0.32	0.17	0.02	–	0.31	-0.24	0.31	-0.06	-0.01
21077480	OP	MC	502	0.57	0.57	0.09	0.18	0.15	–	0.39	0.39	-0.21	-0.18	-0.17
21077490	OP	MC	204	0.81	–	0.19	–	0.81	–	0.18	–	-0.18	–	0.18
21077500	HL	MC	11,227	0.73	0.08	0.14	0.05	0.73	–	0.40	-0.27	-0.18	-0.19	0.40
21077510	OP	MC	203	0.40	0.01	0.03	0.40	0.56	–	0.03	-0.16	-0.09	0.03	0.04

ELA Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21077660	OP	MC	8	0.25	0.25	0.50	0.25	–	–	0.09	-0.32	0.20	0.09	–
21077760	VL	MC	1,250	0.75	0.04	0.75	0.10	0.12	–	0.37	-0.25	0.37	-0.28	-0.09
21077850	VL	MC	1,250	0.41	0.24	0.16	0.18	0.41	–	0.30	-0.03	-0.15	-0.21	0.30
21106730	OP	MC	61	0.41	0.13	0.08	0.38	0.41	–	0.32	-0.02	-0.12	-0.25	0.32
21107100	OP	MC	6,814	0.53	0.34	0.02	0.53	0.11	–	0.33	-0.24	-0.14	0.33	-0.10
21107110	OP	MC	1,609	0.40	0.20	0.18	0.23	0.40	–	0.31	-0.13	-0.11	-0.14	0.31
21108400	OP	MC	77	0.29	0.29	0.22	0.26	0.23	–	0.22	0.22	-0.27	0.01	0.03
21108410	OP	MC	67	0.37	0.37	0.21	0.30	0.12	–	0.37	0.37	-0.13	-0.16	-0.16
21108420	OP	MC	6	0.50	0.50	–	0.50	–	–	0.70	-0.70	–	0.70	–
21108440	OP	MC	970	0.49	0.06	0.06	0.39	0.49	–	0.40	-0.12	-0.18	-0.26	0.40
11191460	FT	MC	1,144	0.79	0.08	0.06	0.79	0.07	–	0.43	-0.19	-0.27	0.43	-0.23
11191500	FT	MC	2,538	0.51	0.12	0.51	0.26	0.11	–	0.25	-0.16	0.25	-0.04	-0.18
11191510	FT	MC	1,586	0.58	0.13	0.14	0.14	0.58	–	0.37	-0.21	-0.17	-0.14	0.37
11191540	FT	MC	1,374	0.77	0.07	0.08	0.08	0.77	–	0.47	-0.22	-0.26	-0.26	0.47
11202130	FT	MC	1,141	0.68	0.12	0.68	0.04	0.16	–	0.30	-0.25	0.30	-0.22	-0.05
11202210	FT	MC	1,167	0.67	0.05	0.67	0.12	0.16	–	0.40	-0.25	0.40	-0.19	-0.19
11202240	FT	MC	1,280	0.71	0.09	0.71	0.14	0.06	–	0.31	-0.21	0.31	-0.18	-0.07
11202340	FT	MC	1,155	0.69	0.22	0.03	0.69	0.05	–	0.25	-0.09	-0.19	0.25	-0.20
11202540	FT	MC	1,173	0.78	0.03	0.10	0.09	0.78	–	0.40	-0.23	-0.25	-0.18	0.40
11202560	FT	MC	1,303	0.43	0.43	0.17	0.17	0.23	–	0.26	0.26	-0.15	-0.14	-0.05
11202920	FT	MC	2,113	0.21	0.40	0.04	0.35	0.21	–	0.10	-0.09	-0.13	0.06	0.10
11203110	FT	MC	1,304	0.65	0.13	0.13	0.65	0.08	–	0.36	-0.16	-0.18	0.36	-0.22
11203340	FT	MC	2,861	0.65	0.22	0.06	0.65	0.08	–	0.30	-0.14	-0.25	0.30	-0.11
11203360	FT	MC	2,130	0.69	0.14	0.03	0.14	0.69	–	0.37	-0.22	-0.23	-0.16	0.37
11203380	FT	MC	2,692	0.23	0.20	0.31	0.26	0.23	–	0.21	-0.24	0.01	0.01	0.21
11203890	FT	MC	1,155	0.54	0.11	0.54	0.09	0.27	–	0.31	-0.17	0.31	-0.15	-0.14
11203910	FT	MC	1,159	0.46	0.46	0.14	0.33	0.07	–	0.22	0.22	-0.28	0.09	-0.23
11217250	FT	MC	1,175	0.73	0.73	0.06	0.09	0.13	–	0.44	0.44	-0.27	-0.29	-0.15
11217260	FT	MC	1,147	0.63	0.10	0.14	0.13	0.63	–	0.41	-0.09	-0.21	-0.29	0.41
11217270	FT	MC	1,137	0.55	0.08	0.09	0.28	0.55	–	0.42	-0.25	-0.19	-0.19	0.42
11217360	FT	MC	1,145	0.82	0.03	0.09	0.82	0.06	–	0.45	-0.22	-0.26	0.45	-0.26
11219620	FT	MC	1,152	0.73	0.73	0.09	0.16	0.03	–	0.34	0.34	-0.15	-0.24	-0.14
11219640	FT	MC	1,132	0.39	0.16	0.16	0.29	0.39	–	0.39	-0.12	-0.33	-0.05	0.39

ELA Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11219660	FT	MC	1,131	0.64	0.13	0.13	0.11	0.64	–	0.45	-0.12	-0.27	-0.29	0.45
11219680	FT	MC	1,151	0.86	0.86	0.07	0.03	0.04	–	0.44	0.44	-0.27	-0.18	-0.26
11219690	FT	MC	1,133	0.71	0.03	0.71	0.06	0.20	–	0.32	-0.14	0.32	-0.26	-0.15
11219700	FT	MC	1,138	0.65	0.65	0.20	0.06	0.09	–	0.41	0.41	-0.22	-0.21	-0.20
11219710	FT	MC	1,132	0.55	0.32	0.55	0.10	0.03	–	0.21	-0.08	0.21	-0.11	-0.18
11219850	FT	MC	1,129	0.80	0.08	0.80	0.06	0.06	–	0.48	-0.24	0.48	-0.30	-0.23
11219860	FT	MC	1,133	0.73	0.17	0.04	0.73	0.06	–	0.48	-0.23	-0.27	0.48	-0.32
11220220	FT	MC	1,183	0.49	0.06	0.28	0.17	0.49	–	0.24	-0.15	-0.01	-0.20	0.24
11220370	FT	MC	1,142	0.85	0.85	0.04	0.07	0.05	–	0.46	0.46	-0.24	-0.27	-0.24
11220440	FT	MC	1,133	0.68	0.09	0.15	0.08	0.68	–	0.50	-0.20	-0.30	-0.26	0.50
11220470	FT	MC	1,127	0.39	0.13	0.34	0.14	0.39	–	0.35	-0.17	-0.03	-0.29	0.35
11220790	FT	MC	1,172	0.62	0.11	0.16	0.11	0.62	–	0.43	-0.15	-0.25	-0.24	0.43
11220820	FT	MC	1,145	0.44	0.14	0.16	0.26	0.44	–	0.28	-0.05	-0.14	-0.16	0.28
11220830	FT	MC	1,144	0.59	0.27	0.59	0.09	0.04	–	0.39	-0.17	0.39	-0.26	-0.21
11221460	FT	MC	1,128	0.53	0.06	0.53	0.33	0.08	–	0.20	-0.23	0.20	-0.04	-0.09
11222030	FT	MC	1,133	0.66	0.66	0.13	0.11	0.10	–	0.43	0.43	-0.20	-0.24	-0.21
11222110	FT	MC	1,140	0.57	0.16	0.09	0.57	0.18	–	0.45	-0.07	-0.25	0.45	-0.33
11222130	FT	MC	1,130	0.67	0.15	0.67	0.07	0.10	–	0.40	-0.19	0.40	-0.18	-0.23
11222190	FT	MC	1,135	0.59	0.15	0.59	0.13	0.14	–	0.47	-0.30	0.47	-0.27	-0.11
11222240	FT	MC	1,151	0.65	0.19	0.09	0.07	0.65	–	0.35	-0.18	-0.12	-0.25	0.35
11222420	FT	MC	1,138	0.51	0.10	0.51	0.15	0.24	–	0.17	-0.10	0.17	-0.04	-0.10
11222840	FT	MC	1,141	0.65	0.65	0.13	0.14	0.08	–	0.30	0.30	-0.25	-0.13	-0.07
11222890	FT	MC	1,140	0.69	0.17	0.69	0.09	0.05	–	0.44	-0.22	0.44	-0.24	-0.22
11222970	FT	MC	1,151	0.57	0.57	0.11	0.11	0.21	–	0.41	0.41	-0.16	-0.20	-0.22
11223040	FT	MC	1,133	0.58	0.08	0.22	0.58	0.13	–	0.36	-0.20	-0.11	0.36	-0.23
11223200	FT	MC	1,113	0.68	0.10	0.11	0.68	0.12	–	0.39	-0.19	-0.27	0.39	-0.13
11223300	FT	MC	1,124	0.37	0.11	0.07	0.46	0.37	–	0.24	-0.14	-0.26	-0.01	0.24
11223340	FT	MC	1,130	0.55	0.19	0.14	0.55	0.12	–	0.45	-0.12	-0.26	0.45	-0.27
11223420	FT	MC	1,127	0.54	0.12	0.16	0.54	0.18	–	0.43	-0.15	-0.23	0.43	-0.21
11223430	FT	MC	1,144	0.40	0.08	0.19	0.40	0.33	–	0.16	-0.18	0.07	0.16	-0.12
11223860	FT	MC	1,184	0.38	0.04	0.32	0.38	0.27	–	0.22	-0.23	-0.01	0.22	-0.14
11223910	FT	MC	1,275	0.29	0.29	0.30	0.22	0.18	–	0.11	0.11	0.12	-0.09	-0.17
11223930	FT	MC	1,611	0.36	0.13	0.26	0.36	0.25	–	0.19	-0.17	-0.08	0.19	–

ELA Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11223510	OP	Non-MC	19,136	0.53	0.40	0.12	0.47	–	–	0.48	-0.39	-0.22	0.52	–
11223520	OP	Non-MC	9,788	0.41	0.43	0.32	0.25	–	–	0.68	-0.63	0.16	0.54	–
21096450	HL	Non-MC	11,227	0.60	0.20	0.39	0.41	–	–	0.38	-0.33	-0.04	0.31	–
21096470	HL	Non-MC	23,322	0.58	0.20	0.45	0.35	–	–	0.42	-0.25	-0.21	0.43	–
21096490	HL	Non-MC	23,322	0.47	0.26	0.53	0.21	–	–	0.46	-0.36	–	0.39	–
21106460	OP	Non-MC	19,175	0.44	0.29	0.54	0.16	–	–	0.32	-0.26	0.04	0.26	–
21107240	HL	Non-MC	12,095	0.53	0.21	0.52	0.27	–	–	0.45	-0.31	-0.12	0.42	–
21107270	VL	Non-MC	1,302	0.47	0.29	0.49	0.22	–	–	0.37	-0.30	0.02	0.31	–
21107300	OP	Non-MC	5,315	0.64	0.06	0.60	0.34	–	–	0.32	-0.35	-0.03	0.21	–
21107310	VL	Non-MC	1,370	0.56	0.22	0.45	0.33	–	–	0.53	-0.35	-0.21	0.52	–
21107390	VL	Non-MC	1,397	0.66	0.14	0.39	0.47	–	–	0.48	-0.34	-0.21	0.45	–
21107400	VL	Non-MC	1,302	0.64	0.06	0.61	0.34	–	–	0.38	-0.28	-0.18	0.32	–
21107510	VL	Non-MC	1,370	0.48	0.30	0.43	0.26	–	–	0.42	-0.38	0.07	0.32	–
21107550	HL	Non-MC	11,227	0.34	0.43	0.47	0.11	–	–	0.11	-0.12	0.09	0.04	–
21107580	OP	Non-MC	16,463	0.18	0.78	0.07	0.15	–	–	0.30	-0.25	-0.07	0.33	–
21107600	OP	Non-MC	23,097	0.43	0.47	0.20	0.33	–	–	0.44	-0.41	0.03	0.40	–
21107740	OP	Non-MC	21,290	0.45	0.45	0.18	0.36	–	–	0.47	-0.40	-0.06	0.46	–
21107750	OP	Non-MC	23,301	0.53	0.41	0.13	0.46	–	–	0.50	-0.43	-0.13	0.52	–
21108160	OP	Non-MC	6,806	0.51	0.39	0.21	0.40	–	–	0.56	-0.47	-0.09	0.54	–
21108180	OP	Non-MC	11,406	0.74	0.20	0.11	0.69	–	–	0.55	-0.48	-0.20	0.55	–
21108190	HL	Non-MC	12,095	0.42	0.38	0.39	0.23	–	–	0.49	-0.43	0.09	0.40	–
21108210	OP	Non-MC	545	0.24	0.58	0.35	0.07	–	–	0.43	-0.56	0.59	-0.04	–
21108220	OP	Non-MC	15,516	0.37	0.56	0.14	0.30	–	–	0.39	-0.31	-0.09	0.41	–
11189060	FT	Non-MC	1,147	0.19	0.81	0.19	–	–	–	0.37	-0.37	0.37	–	–
11191450	FT	Non-MC	1,164	0.05	0.95	0.05	–	–	–	0.11	-0.11	0.11	–	–
11202330	FT	Non-MC	1,161	0.47	0.53	0.47	–	–	–	0.24	-0.24	0.24	–	–
11202380	FT	Non-MC	1,216	0.43	0.39	0.37	0.24	–	–	0.45	-0.34	-0.03	0.42	–
11202670	FT	Non-MC	1,235	0.66	0.34	0.66	–	–	–	0.21	-0.21	0.21	–	–
11202950	FT	Non-MC	1,753	0.44	0.44	0.25	0.31	–	–	0.39	-0.31	-0.05	0.38	–
11203150	FT	Non-MC	1,220	0.16	0.75	0.18	0.07	–	–	0.13	-0.04	-0.10	0.23	–
11203330	FT	Non-MC	2,486	0.47	0.53	0.47	–	–	–	0.34	-0.34	0.34	–	–
11203350	FT	Non-MC	1,510	0.85	0.15	0.85	–	–	–	0.44	-0.44	0.44	–	–
11203370	FT	Non-MC	1,487	0.80	0.20	0.80	–	–	–	0.40	-0.40	0.40	–	–

ELA Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11203520	FT	Non-MC	1,219	0.33	0.43	0.48	0.09	–	–	0.29	-0.25	0.14	0.20	–
11203530	FT	Non-MC	1,173	0.52	0.48	0.52	–	–	–	0.16	-0.16	0.16	–	–
11203630	FT	Non-MC	1,213	0.40	0.50	0.21	0.30	–	–	0.40	-0.34	-0.04	0.40	–
11203720	FT	Non-MC	1,301	0.42	0.34	0.48	0.18	–	–	0.35	-0.26	-0.01	0.33	–
11217240	FT	Non-MC	1,198	0.70	0.23	0.15	0.62	–	–	0.56	-0.46	-0.21	0.56	–
11217290	FT	Non-MC	1,176	0.44	0.33	0.45	0.22	–	–	0.43	-0.45	0.23	0.24	–
11217300	FT	Non-MC	1,130	0.78	0.22	0.78	–	–	–	0.43	-0.43	0.43	–	–
11217310	FT	Non-MC	1,136	0.11	0.89	0.11	–	–	–	0.17	-0.17	0.17	–	–
11217320	FT	Non-MC	1,182	0.42	0.49	0.19	0.33	–	–	0.34	-0.29	-0.03	0.33	–
11217330	FT	Non-MC	1,183	0.79	0.06	0.31	0.63	–	–	0.44	-0.28	-0.30	0.42	–
11217370	FT	Non-MC	1,188	0.54	0.34	0.24	0.42	–	–	0.41	-0.35	-0.05	0.38	–
11219630	FT	Non-MC	1,177	0.57	0.17	0.51	0.31	–	–	0.47	-0.30	-0.18	0.44	–
11219830	FT	Non-MC	1,137	0.60	0.40	0.60	–	–	–	0.58	-0.58	0.58	—	–
11219840	FT	Non-MC	1,178	0.61	0.35	0.08	0.57	–	–	0.48	-0.40	-0.23	0.51	–
11219890	FT	Non-MC	1,185	0.60	0.28	0.25	0.47	–	–	0.42	-0.31	-0.17	0.43	–
11219980	FT	Non-MC	1,181	0.40	0.57	0.08	0.36	–	–	0.37	-0.30	-0.19	0.41	–
11220420	FT	Non-MC	1,191	0.45	0.41	0.28	0.31	–	–	0.40	-0.32	-0.04	0.38	–
11220480	FT	Non-MC	1,173	0.10	0.84	0.13	0.04	–	–	0.15	-0.08	-0.04	0.23	–
11220720	FT	Non-MC	1,184	0.35	0.53	0.23	0.24	–	–	0.28	-0.15	-0.19	0.37	–
11220810	FT	Non-MC	1,189	0.27	0.63	0.20	0.17	–	–	0.05	–	-0.08	0.09	–
11221060	FT	Non-MC	1,180	0.50	0.30	0.40	0.30	–	–	0.36	-0.31	0.02	0.29	–
11221630	FT	Non-MC	1,134	0.45	0.55	0.45	–	–	–	0.57	-0.57	0.57		–
11221900	FT	Non-MC	1,183	0.33	0.46	0.42	0.13	–	–	0.22	-0.10	-0.10	0.31	–
11221970	FT	Non-MC	1,175	0.49	0.30	0.42	0.28	–	–	0.45	-0.35	-0.04	0.40	–
11222090	FT	Non-MC	1,207	0.43	0.43	0.27	0.30	–	–	0.34	-0.24	-0.11	0.36	–
11222300	FT	Non-MC	1,186	0.37	0.49	0.27	0.24	–	–	0.37	-0.31	0.03	0.34	–
11222620	FT	Non-MC	1,177	0.42	0.42	0.32	0.26	–	–	0.37	-0.29	-0.03	0.36	–
11222720	FT	Non-MC	1,139	0.11	0.89	0.11	–	–	–	0.33	-0.33	0.33	–	–
11223350	FT	Non-MC	1,130	0.60	0.40	0.60	–	–	–	0.54	-0.54	0.54	–	–
11223840	FT	Non-MC	1,229	0.65	0.28	0.13	0.59	–	–	0.54	-0.47	-0.18	0.55	–
11223850	FT	Non-MC	1,283	0.53	0.47	0.53	–	–	–	0.55	-0.55	0.55	–	–

Table F.5. Classical Item-Level Statistics—ELA Grade 7

ELA Grade 7														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11191840	VL	MC	1,459	0.48	0.29	0.15	0.48	0.08	–	0.43	-0.16	-0.24	0.43	-0.20
11191960	VL	MC	1,457	0.83	0.05	0.09	0.03	0.83	–	0.45	-0.21	-0.30	-0.22	0.45
21048190	VL	MC	1,459	0.50	0.06	0.18	0.26	0.50	–	0.29	-0.19	-0.14	-0.11	0.29
21048230	VL	MC	1,457	0.40	0.40	0.28	0.18	0.14	–	0.29	0.29	-0.04	-0.22	-0.12
21048300	VL	MC	1,518	0.34	0.25	0.34	0.12	0.29	–	0.13	-0.07	0.13	-0.25	0.12
21048350	VL	MC	1,518	0.43	0.14	0.17	0.43	0.25	–	0.34	-0.16	-0.16	0.34	-0.11
21048360	VL	MC	1,444	0.65	0.13	0.65	0.14	0.08	–	0.39	-0.17	0.39	-0.25	-0.16
21048370	OP	MC	20,677	0.62	0.62	0.12	0.19	0.07	–	0.49	0.49	-0.28	-0.24	-0.20
21048380	HL	MC	11,530	0.46	0.26	0.20	0.07	0.46	–	0.43	-0.22	-0.14	-0.25	0.43
21048390	OP	MC	12,204	0.71	0.11	0.71	0.09	0.09	–	0.45	-0.20	0.45	-0.26	-0.24
21048400	HL	MC	11,530	0.67	0.12	0.13	0.67	0.08	–	0.48	-0.30	-0.17	0.48	-0.26
21048410	HL	MC	22,965	0.45	0.23	0.18	0.13	0.45	–	0.50	-0.24	-0.21	-0.20	0.50
21048420	HL	MC	22,965	0.50	0.15	0.50	0.15	0.21	–	0.40	-0.24	0.40	-0.19	-0.12
21048430	HL	MC	22,965	0.55	0.17	0.55	0.17	0.11	–	0.42	-0.13	0.42	-0.24	-0.23
21048440	OP	MC	22,196	0.64	0.64	0.13	0.07	0.16	–	0.41	0.41	-0.27	-0.17	-0.16
21048450	HL	MC	22,965	0.43	0.29	0.17	0.43	0.10	–	0.37	-0.10	-0.14	0.37	-0.27
21050460	OP	MC	8	0.50	0.13	0.13	0.50	0.25	–	0.77	0.02	-0.47	0.77	-0.54
21050490	OP	MC	8	0.25	0.25	0.38	–	0.38	–	0.35	0.35	-0.02	–	-0.30
21050550	OP	MC	8	–	–	0.50	0.38	0.13	–	–	–	–	-0.08	0.12
21050590	OP	MC	182	0.25	0.43	0.25	0.18	0.14	–	0.23	-0.19	0.23	-0.04	0.03
21050630	OP	MC	93	0.32	0.34	0.17	0.32	0.16	–	0.26	-0.09	-0.29	0.26	0.08
21050640	OP	MC	211	0.38	0.38	0.18	0.32	0.11	–	0.26	0.26	-0.03	-0.18	-0.10
21050650	OP	MC	116	0.46	0.46	0.06	0.34	0.14	–	0.51	0.51	-0.09	-0.34	-0.21
21050670	OP	MC	210	0.45	0.13	0.28	0.45	0.14	–	0.25	-0.08	-0.18	0.25	-0.05
21050680	OP	MC	24	0.58	0.17	0.08	0.17	0.58	–	0.50	-0.38	-0.14	-0.19	0.50
21050720	OP	MC	165	0.35	0.29	0.15	0.35	0.21	–	0.08	0.11	-0.04	0.08	-0.19
21051250	OP	MC	16	0.25	0.25	0.19	0.38	0.19	–	-0.06	-0.06	0.09	0.09	-0.13
21051270	OP	MC	16	0.13	0.44	0.31	0.13	0.13	–	0.06	-0.17	0.11	0.06	0.05
21051340	OP	MC	16	0.56	0.13	0.13	0.56	0.19	–	0.29	0.02	-0.30	0.29	-0.13
21051350	OP	MC	1	1.00	1.00	–	–	–	–	–	–	–	–	–
21051370	OP	MC	16	0.63	0.13	0.06	0.63	0.19	–	0.30	-0.09	0.07	0.30	-0.34
21051400	OP	MC	8	0.38	0.25	0.38	0.38	–	–	0.38	-0.44	0.01	0.38	–

ELA Grade 7														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21051900	OP	MC	169	0.46	0.18	0.19	0.18	0.46	–	0.40	-0.12	-0.09	-0.32	0.40
21051920	OP	MC	11,435	0.75	0.75	0.08	0.05	0.12	–	0.34	0.34	-0.13	-0.18	-0.22
21051930	OP	MC	357	0.29	0.29	0.29	0.25	0.17	–	0.23	0.23	-0.07	-0.14	-0.03
21051940	OP	MC	7,849	0.52	0.52	0.19	0.08	0.20	–	0.33	0.33	-0.18	-0.24	-0.07
21052060	OP	MC	640	0.29	0.23	0.29	0.30	0.18	–	0.19	-0.03	0.19	-0.09	-0.08
21052170	OP	MC	4,527	0.40	0.15	0.40	0.24	0.20	–	0.32	-0.12	0.32	-0.17	-0.10
21052230	OP	MC	10,925	0.61	0.12	0.21	0.06	0.61	–	0.46	-0.22	-0.22	-0.25	0.46
21052240	OP	MC	10,109	0.59	0.21	0.14	0.59	0.06	–	0.46	-0.27	-0.23	0.46	-0.14
21071200	VL	MC	1,459	0.53	0.13	0.18	0.16	0.53	–	0.41	-0.15	-0.12	-0.29	0.41
21071210	VL	MC	1,457	0.66	0.66	0.19	0.10	0.05	–	0.40	0.40	-0.15	-0.25	-0.24
21071220	VL	MC	1,459	0.78	0.05	0.78	0.05	0.12	–	0.45	-0.22	0.45	-0.20	-0.29
21071230	VL	MC	1,459	0.56	0.56	0.26	0.11	0.07	–	0.33	0.33	0.02	-0.31	-0.29
21071240	VL	MC	1,459	0.76	0.14	0.04	0.76	0.06	–	0.46	-0.26	-0.22	0.46	-0.26
21071250	VL	MC	1,457	0.57	0.57	0.11	0.27	0.05	–	0.27	0.27	-0.21	-0.08	-0.16
21071260	VL	MC	1,457	0.46	0.04	0.46	0.05	0.44	–	0.35	-0.18	0.35	-0.24	-0.18
21071280	VL	MC	1,457	0.59	0.18	0.59	0.18	0.05	–	0.36	-0.16	0.36	-0.19	-0.19
21071370	HL	MC	22,965	0.70	0.09	0.13	0.70	0.08	–	0.48	-0.25	-0.24	0.48	-0.25
21071380	HL	MC	22,965	0.41	0.41	0.16	0.17	0.25	–	0.44	0.44	-0.21	-0.24	-0.11
21071410	HL	MC	22,965	0.41	0.25	0.17	0.41	0.17	–	0.40	-0.11	-0.25	0.40	-0.15
21071430	OP	MC	4,318	0.49	0.15	0.49	0.29	0.07	–	0.39	-0.23	0.39	-0.13	-0.22
21071440	OP	MC	358	0.25	0.20	0.25	0.29	0.25	–	0.25	-0.05	-0.09	-0.11	0.25
21071470	OP	MC	4,313	0.57	0.57	0.27	0.03	0.13	–	0.32	0.32	-0.23	-0.13	-0.10
21071480	OP	MC	15,579	0.56	0.56	0.09	0.30	0.05	–	0.51	0.51	-0.31	-0.24	-0.24
21071500	HL	MC	11,530	0.50	0.40	0.50	0.06	0.05	–	0.32	-0.16	0.32	-0.22	-0.14
21071510	HL	MC	11,530	0.72	0.02	0.13	0.72	0.12	–	0.42	-0.22	-0.22	0.42	-0.23
21071550	OP	MC	4,152	0.67	0.67	0.08	0.12	0.14	–	0.37	0.37	-0.20	-0.21	-0.15
21071560	HL	MC	11,530	0.53	0.21	0.17	0.53	0.09	–	0.28	-0.10	-0.17	0.28	-0.12
21071700	VL	MC	1,518	0.66	0.08	0.66	0.11	0.16	–	0.41	-0.12	0.41	-0.30	-0.19
21071710	VL	MC	1,518	0.60	0.60	0.10	0.13	0.17	–	0.37	0.37	-0.18	-0.30	-0.07
21071720	VL	MC	1,518	0.60	0.14	0.13	0.60	0.14	–	0.31	-0.09	-0.18	0.31	-0.18
21072320	HL	MC	22,965	0.54	0.11	0.25	0.54	0.10	–	0.32	-0.21	-0.15	0.32	-0.10
21072330	HL	MC	22,965	0.74	0.74	0.02	0.12	0.11	–	0.37	0.37	-0.17	-0.22	-0.20
21072340	HL	MC	22,965	0.58	0.25	0.05	0.12	0.58	–	0.36	-0.14	-0.17	-0.23	0.36

ELA Grade 7														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21072350	HL	MC	22,965	0.69	0.13	0.69	0.04	0.14	–	0.39	-0.18	0.39	-0.23	-0.21
21072370	OP	MC	3,507	0.47	0.13	0.47	0.06	0.34	–	0.27	-0.12	0.27	-0.12	-0.14
21072540	VL	MC	1,444	0.42	0.25	0.23	0.42	0.10	–	0.17	-0.08	-0.03	0.17	-0.12
21072550	VL	MC	1,444	0.42	0.42	0.14	0.27	0.17	–	0.26	0.26	-0.20	-0.06	-0.09
21072560	VL	MC	1,444	0.44	0.17	0.22	0.44	0.17	–	0.40	-0.17	-0.10	0.40	-0.25
21072570	VL	MC	1,444	0.58	0.15	0.14	0.13	0.58	–	0.36	-0.21	-0.22	-0.08	0.36
21072590	VL	MC	1,444	0.38	0.14	0.35	0.12	0.38	–	0.35	-0.29	0.04	-0.27	0.35
21073820	OP	MC	2,299	0.52	0.16	0.26	0.06	0.52	–	0.29	-0.25	-0.08	-0.08	0.29
21073830	OP	MC	2,154	0.42	0.39	0.42	0.10	0.10	–	0.27	-0.10	0.27	-0.16	-0.13
21073840	OP	MC	173	0.43	0.43	0.14	0.17	0.25	–	0.38	0.38	-0.11	-0.23	-0.14
21073850	OP	MC	1,348	0.35	0.30	0.12	0.22	0.35	–	0.27	-0.07	-0.08	-0.16	0.27
21073860	OP	MC	28	0.32	0.32	0.25	0.29	0.14	–	0.52	0.52	-0.24	-0.36	0.07
21073870	OP	MC	867	0.47	0.15	0.20	0.47	0.18	–	0.36	-0.15	-0.20	0.36	-0.12
21073880	OP	MC	112	0.57	0.13	0.57	0.18	0.13	–	0.28	-0.23	0.28	-0.07	-0.10
21073890	OP	MC	1,303	0.17	0.03	0.76	0.04	0.17	–	0.06	-0.32	0.21	-0.28	0.06
21073900	OP	MC	7,086	0.48	0.11	0.48	0.21	0.20	–	0.36	-0.10	0.36	-0.23	-0.14
21073910	OP	MC	1,274	0.27	0.18	0.23	0.33	0.27	–	0.15	-0.01	-0.05	-0.09	0.15
21073920	OP	MC	5,787	0.29	0.29	0.25	0.28	0.19	–	0.31	0.31	-0.13	-0.10	-0.11
21073930	OP	MC	8,689	0.37	0.29	0.14	0.37	0.21	–	0.37	-0.25	-0.17	0.37	-0.02
21073940	OP	MC	2,386	0.49	0.49	0.23	0.17	0.11	–	0.30	0.30	-0.12	-0.14	-0.14
21073950	OP	MC	155	0.51	0.15	0.17	0.51	0.17	–	0.43	-0.16	-0.22	0.43	-0.20
21073960	OP	MC	1,119	0.50	0.07	0.50	0.07	0.35	–	0.30	-0.13	0.30	-0.10	-0.19
21073970	OP	MC	6,767	0.77	0.11	0.04	0.08	0.77	–	0.50	-0.25	-0.32	-0.24	0.50
21073980	OP	MC	464	0.40	0.40	0.19	0.23	0.18	–	0.39	0.39	-0.14	-0.14	-0.21
21074150	OP	MC	1,577	0.61	0.13	0.12	0.61	0.13	–	0.54	-0.24	-0.31	0.54	-0.24
21074180	OP	MC	2,552	0.38	0.37	0.07	0.38	0.18	–	0.33	-0.17	-0.09	0.33	-0.14
21074190	OP	MC	963	0.35	0.20	0.35	0.28	0.17	–	0.25	-0.05	0.25	-0.13	-0.11
21074340	HL	MC	11,435	0.83	0.04	0.05	0.08	0.83	–	0.52	-0.27	-0.27	-0.30	0.52
21074360	HL	MC	11,435	0.59	0.14	0.07	0.21	0.59	–	0.44	-0.17	-0.22	-0.25	0.44
21074440	OP	MC	3,522	0.40	0.23	0.27	0.40	0.10	–	0.29	-0.12	-0.10	0.29	-0.16
21074510	HL	MC	11,435	0.59	0.17	0.59	0.13	0.10	–	0.44	-0.15	0.44	-0.22	-0.29
21074520	HL	MC	11,435	0.58	0.58	0.16	0.20	0.06	–	0.48	0.48	-0.30	-0.17	-0.25
21074700	HL	MC	11,435	0.51	0.16	0.51	0.14	0.20	–	0.41	-0.14	0.41	-0.22	-0.19

ELA Grade 7														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21074710	OP	MC	2,457	0.35	0.19	0.35	0.04	0.42	–	0.22	–	0.22	-0.12	-0.16
21074730	OP	MC	10,120	0.52	0.08	0.14	0.26	0.52	–	0.35	-0.20	-0.21	-0.11	0.35
21074740	OP	MC	9,726	0.32	0.01	0.32	0.04	0.63	–	0.16	-0.11	0.16	-0.18	-0.06
21074750	OP	MC	20,832	0.77	0.77	0.09	0.07	0.08	–	0.54	0.54	-0.30	-0.25	-0.29
21074760	OP	MC	2,010	0.55	0.07	0.55	0.13	0.25	–	0.21	-0.13	0.21	-0.08	-0.10
21074770	OP	MC	2,619	0.47	0.11	0.26	0.47	0.16	–	0.21	-0.13	-0.13	0.21	-0.03
21074780	OP	MC	1,875	0.32	0.24	0.24	0.20	0.32	–	0.22	-0.01	-0.09	-0.15	0.22
21074790	OP	MC	3,619	0.41	0.41	0.21	0.23	0.16	–	0.43	0.43	-0.20	-0.19	-0.14
21074800	OP	MC	2,534	0.43	0.20	0.11	0.43	0.26	–	0.26	-0.16	-0.13	0.26	-0.06
21075750	VL	MC	1,444	0.84	0.05	0.05	0.06	0.84	–	0.45	-0.23	-0.24	-0.26	0.45
21076820	OP	MC	308	0.44	0.44	0.30	0.19	0.07	–	0.34	0.34	-0.15	-0.19	-0.08
21076940	HL	MC	22,965	0.85	0.07	0.04	0.85	0.04	–	0.43	-0.25	-0.20	0.43	-0.24
21076950	OP	MC	8,499	0.54	0.07	0.54	0.22	0.17	–	0.19	-0.12	0.19	-0.05	-0.11
21077590	OP	MC	2,010	0.49	0.38	0.06	0.49	0.07	–	0.18	-0.05	-0.17	0.18	-0.09
21077650	OP	MC	4,520	0.46	0.03	0.04	0.47	0.46	–	0.14	-0.08	-0.19	-0.03	0.14
21077720	OP	MC	2,498	0.42	0.07	0.37	0.15	0.42	–	0.23	-0.19	–	-0.18	0.23
21077730	OP	MC	59	0.73	0.03	0.14	0.73	0.10	–	0.33	-0.15	-0.26	0.33	-0.09
21077740	OP	MC	11,590	0.56	0.56	0.18	0.07	0.19	–	0.43	0.43	-0.29	-0.28	-0.07
21077760	HL	MC	11,530	0.79	0.02	0.79	0.08	0.11	–	0.25	-0.18	0.25	-0.19	-0.09
21077790	OP	MC	550	0.53	0.20	0.53	0.07	0.20	–	0.32	-0.14	0.32	-0.16	-0.16
21077810	OP	MC	546	0.68	0.17	0.07	0.68	0.08	–	0.27	-0.23	-0.12	0.27	-0.03
21077850	HL	MC	11,530	0.60	0.19	0.10	0.11	0.60	–	0.42	-0.15	-0.23	-0.25	0.42
21077860	OP	MC	59	0.78	0.78	0.08	–	0.14	–	0.20	0.20	-0.11	–	-0.15
21077880	OP	MC	11,530	0.33	0.07	0.33	0.31	0.30	–	0.18	-0.18	0.18	0.03	-0.12
21077900	OP	MC	25	0.40	0.24	0.16	0.40	0.20	–	0.52	-0.21	-0.48	0.52	0.03
21077920	OP	MC	48	0.50	0.13	0.50	0.25	0.13	–	0.48	-0.29	0.48	-0.18	-0.20
21077960	OP	MC	15,869	0.48	0.25	0.06	0.21	0.48	–	0.48	-0.19	-0.30	-0.22	0.48
21077980	OP	MC	59	0.47	0.47	0.07	0.08	0.37	–	0.09	0.09	-0.06	-0.40	0.17
21078000	OP	MC	8,327	0.40	0.40	0.18	0.37	0.05	–	0.16	0.16	-0.07	-0.01	-0.22
21106680	OP	MC	8	0.25	0.13	0.25	0.50	0.13	–	0.54	0.34	0.54	-0.77	0.12
21107060	OP	MC	12,463	0.55	0.26	0.10	0.55	0.09	–	0.38	-0.13	-0.28	0.38	-0.17
21107120	OP	MC	3,641	0.57	0.32	0.08	0.03	0.57	–	0.36	-0.19	-0.19	-0.21	0.36
21107130	OP	MC	381	0.40	0.18	0.40	0.26	0.17	–	0.29	-0.12	0.29	-0.12	-0.12

ELA Grade 7														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21109000	OP	MC	6,837	0.67	0.67	0.21	0.06	0.06	–	0.34	0.34	-0.13	-0.28	-0.17
31193000	OP	MC	13,723	0.16	0.28	0.27	0.29	0.16	–	0.12	-0.08	-0.12	0.10	0.12
11193100	FT	MC	1,112	0.52	0.13	0.16	0.52	0.20	–	0.33	-0.07	-0.16	0.33	-0.21
11193110	FT	MC	1,110	0.52	0.52	0.17	0.21	0.10	–	0.40	0.40	-0.23	-0.18	-0.14
11193140	FT	MC	1,110	0.23	0.23	0.37	0.29	0.11	–	0.10	0.10	0.16	-0.12	-0.20
11194760	FT	MC	1,108	0.59	0.08	0.14	0.19	0.59	–	0.41	-0.21	-0.20	-0.19	0.41
11194810	FT	MC	1,117	0.43	0.09	0.35	0.13	0.43	–	0.19	-0.22	0.07	-0.20	0.19
11194820	FT	MC	1,123	0.49	0.19	0.11	0.20	0.49	–	0.29	-0.09	-0.22	-0.09	0.29
11195010	FT	MC	1,117	0.65	0.11	0.06	0.18	0.65	–	0.55	-0.30	-0.18	-0.33	0.55
11195230	FT	MC	1,114	0.15	0.24	0.22	0.15	0.39	–	0.02	-0.10	-0.04	0.02	0.10
11195290	FT	MC	1,121	0.64	0.64	0.08	0.12	0.17	–	0.48	0.48	-0.16	-0.30	-0.24
11195330	FT	MC	1,110	0.46	0.46	0.21	0.12	0.21	–	0.17	0.17	-0.15	-0.16	0.08
11195360	FT	MC	1,124	0.48	0.21	0.08	0.48	0.23	–	0.33	–	-0.23	0.33	-0.24
11204630	FT	MC	1,119	0.79	0.11	0.05	0.79	0.05	–	0.36	-0.22	-0.26	0.36	-0.11
11204650	FT	MC	1,150	0.66	0.11	0.16	0.07	0.66	–	0.42	-0.19	-0.25	-0.18	0.42
11204710	FT	MC	1,275	0.30	0.06	0.30	0.49	0.15	–	0.13	-0.19	0.13	0.02	-0.07
11204940	FT	MC	1,182	0.65	0.14	0.13	0.65	0.08	–	0.36	-0.07	-0.23	0.36	-0.26
11205060	FT	MC	1,122	0.90	0.02	0.90	0.05	0.03	–	0.36	-0.15	0.36	-0.27	-0.18
11205120	FT	MC	1,141	0.86	0.86	0.05	0.03	0.07	–	0.35	0.35	-0.25	-0.21	-0.14
11205190	FT	MC	1,123	0.84	0.84	0.09	0.05	0.02	–	0.31	0.31	-0.22	-0.15	-0.13
11205310	FT	MC	1,120	0.78	0.05	0.78	0.08	0.08	–	0.42	-0.18	0.42	-0.26	-0.22
11205350	FT	MC	1,120	0.83	0.83	0.11	0.06	0.01	–	0.33	0.33	-0.19	-0.23	-0.15
11205460	FT	MC	1,134	0.83	0.03	0.07	0.08	0.83	–	0.46	-0.26	-0.28	-0.23	0.46
11206090	FT	MC	1,115	0.37	0.37	0.24	0.25	0.14	–	0.19	0.19	-0.06	-0.04	-0.14
11206100	FT	MC	1,352	0.51	0.51	0.11	0.24	0.14	–	0.19	0.19	-0.09	-0.10	-0.07
11206130	FT	MC	1,192	0.74	0.13	0.08	0.74	0.05	–	0.36	-0.15	-0.21	0.36	-0.23
11206150	FT	MC	1,127	0.41	0.14	0.24	0.22	0.41	–	0.16	-0.10	-0.05	-0.05	0.16
11218250	FT	MC	1,142	0.77	0.07	0.09	0.07	0.77	–	0.43	-0.25	-0.18	-0.25	0.43
11218330	FT	MC	1,118	0.89	0.06	0.03	0.89	0.02	–	0.40	-0.24	-0.23	0.40	-0.21
11218350	FT	MC	1,127	0.73	0.04	0.13	0.73	0.10	–	0.29	-0.17	-0.13	0.29	-0.18
11218380	FT	MC	1,266	0.71	0.71	0.06	0.07	0.16	–	0.31	0.31	-0.23	-0.23	-0.06
11218490	FT	MC	1,148	0.43	0.08	0.43	0.29	0.19	–	0.23	-0.18	0.23	-0.03	-0.12
11218510	FT	MC	1,123	0.48	0.15	0.15	0.22	0.48	–	0.38	-0.13	-0.22	-0.16	0.38

ELA Grade 7														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11218640	FT	MC	1,119	0.79	0.79	0.09	0.09	0.03	–	0.36	0.36	-0.19	-0.22	-0.19
11218660	FT	MC	1,126	0.82	0.82	0.07	0.04	0.07	–	0.35	0.35	-0.15	-0.23	-0.21
11218680	FT	MC	1,319	0.55	0.05	0.30	0.55	0.10	–	0.08	-0.10	0.04	0.08	-0.13
11218760	FT	MC	1,126	0.53	0.53	0.13	0.06	0.28	–	0.35	0.35	-0.07	-0.23	-0.22
11218810	FT	MC	1,265	0.61	0.06	0.22	0.61	0.12	–	0.28	-0.17	-0.07	0.28	-0.21
11220000	FT	MC	1,109	0.39	0.28	0.17	0.39	0.17	–	0.23	-0.03	-0.15	0.23	-0.10
11220020	FT	MC	1,117	0.75	0.20	0.75	0.03	0.02	–	0.29	-0.14	0.29	-0.25	-0.19
11220050	FT	MC	1,105	0.80	0.02	0.80	0.11	0.07	–	0.19	-0.16	0.19	-0.08	-0.11
11220060	FT	MC	1,113	0.45	0.29	0.45	0.20	0.06	–	0.15	0.07	0.15	-0.13	-0.23
11220080	FT	MC	1,106	0.64	0.64	0.04	0.19	0.13	–	0.50	0.50	-0.26	-0.27	-0.25
11220120	FT	MC	1,111	0.23	0.18	0.32	0.27	0.23	–	0.15	-0.17	0.13	-0.13	0.15
11220130	FT	MC	1,113	0.73	0.03	0.73	0.12	0.13	–	0.37	-0.21	0.37	-0.25	-0.14
11220140	FT	MC	1,111	0.82	0.02	0.08	0.82	0.08	–	0.42	-0.20	-0.27	0.42	-0.22
11220150	FT	MC	1,104	0.78	0.07	0.04	0.78	0.12	–	0.43	-0.22	-0.23	0.43	-0.25
11222450	FT	MC	1,123	0.81	0.03	0.81	0.05	0.10	–	0.50	-0.24	0.50	-0.27	-0.30
11222540	FT	MC	1,116	0.50	0.05	0.18	0.27	0.50	–	0.21	-0.19	-0.04	-0.10	0.21
11222760	FT	MC	1,122	0.88	0.04	0.88	0.02	0.06	–	0.36	-0.27	0.36	-0.20	-0.14
11223090	FT	MC	1,119	0.70	0.09	0.14	0.07	0.70	–	0.48	-0.20	-0.30	-0.23	0.48
11223130	FT	MC	1,119	0.65	0.04	0.65	0.13	0.19	–	0.38	-0.15	0.38	-0.29	-0.14
11223170	FT	MC	1,116	0.87	0.87	0.03	0.07	0.03	–	0.44	0.44	-0.25	-0.26	-0.23
11223180	FT	MC	1,120	0.44	0.09	0.32	0.15	0.44	–	0.31	-0.19	-0.08	-0.18	0.31
11223320	FT	MC	1,111	0.59	0.06	0.16	0.59	0.19	–	0.19	-0.20	-0.09	0.19	-0.03
11224070	FT	MC	1,119	0.69	0.14	0.69	0.12	0.05	–	0.50	-0.27	0.50	-0.28	-0.22
11224080	FT	MC	1,111	0.68	0.08	0.11	0.68	0.13	–	0.46	-0.32	-0.21	0.46	-0.19
11224110	FT	MC	1,119	0.50	0.32	0.07	0.12	0.50	–	0.33	-0.10	-0.11	-0.29	0.33
11224280	FT	MC	1,116	0.55	0.15	0.55	0.19	0.12	–	0.27	0.11	0.27	-0.23	-0.26
11224290	FT	MC	1,118	0.35	0.35	0.39	0.09	0.17	–	0.27	0.27	-0.02	-0.24	-0.14
11224310	FT	MC	1,112	0.44	0.27	0.19	0.44	0.10	–	0.08	0.16	-0.14	0.08	-0.20
11224350	FT	MC	1,114	0.81	0.09	0.04	0.07	0.81	–	0.41	-0.22	-0.29	-0.18	0.41
11225390	FT	MC	1,118	0.43	0.43	0.10	0.24	0.22	–	0.28	0.28	-0.22	-0.18	–
11225400	FT	MC	1,121	0.51	0.16	0.24	0.51	0.08	–	0.20	-0.16	0.02	0.20	-0.18
11225430	FT	MC	1,114	0.61	0.16	0.61	0.06	0.17	–	0.37	-0.21	0.37	-0.18	-0.16
21109560	FT	MC	1,117	0.33	0.11	0.27	0.33	0.29	–	0.29	-0.15	-0.16	0.29	-0.05

ELA Grade 7														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21109570	FT	MC	1,175	0.45	0.15	0.25	0.45	0.16	–	0.26	-0.17	-0.13	0.26	-0.03
21109580	FT	MC	1,111	0.48	0.28	0.13	0.48	0.11	–	0.32	-0.09	-0.15	0.32	-0.22
21109620	FT	MC	1,106	0.57	0.05	0.57	0.29	0.08	–	0.28	-0.24	0.28	-0.06	-0.19
21109630	FT	MC	1,112	0.55	0.55	0.10	0.22	0.14	–	0.15	0.15	-0.15	0.06	-0.16
21109640	FT	MC	1,110	0.57	0.06	0.17	0.57	0.21	–	0.37	-0.24	-0.21	0.37	-0.12
21109650	FT	MC	1,109	0.48	0.48	0.07	0.23	0.21	–	0.41	0.41	-0.23	-0.16	-0.20
21096440	HL	Non-MC	22,965	0.50	0.31	0.38	0.30	–	–	0.57	-0.46	-0.05	0.52	–
21096470	VL	Non-MC	1,457	0.58	0.20	0.43	0.36	–	–	0.41	-0.23	-0.23	0.43	–
21096490	VL	Non-MC	1,459	0.55	0.20	0.51	0.29	–	–	0.43	-0.37	-0.01	0.33	–
21107310	HL	Non-MC	11,435	0.62	0.18	0.41	0.42	–	–	0.60	-0.42	-0.24	0.56	–
21107320	OP	Non-MC	17,057	0.70	0.05	0.51	0.45	–	–	0.59	-0.32	-0.42	0.56	–
21107430	VL	Non-MC	1,518	0.54	0.11	0.69	0.19	–	–	0.45	-0.31	-0.12	0.38	–
21107510	HL	Non-MC	11,435	0.56	0.23	0.43	0.34	–	–	0.49	-0.41	-0.04	0.41	–
21107530	OP	Non-MC	11,530	0.51	0.37	0.24	0.39	–	–	0.52	-0.50	0.07	0.44	–
21107770	OP	Non-MC	16,444	0.38	0.57	0.10	0.33	–	–	0.46	-0.38	-0.18	0.51	–
21107880	OP	Non-MC	21,755	0.45	0.37	0.37	0.26	–	–	0.40	-0.31	-0.03	0.37	–
21107910	OP	Non-MC	59	0.49	0.15	0.71	0.14	–	–	0.29	-0.42	0.33	0.01	–
21108230	OP	Non-MC	9,234	0.49	0.44	0.14	0.42	–	–	0.55	-0.46	-0.14	0.56	–
21108240	OP	Non-MC	7,140	0.47	0.38	0.29	0.33	–	–	0.44	-0.38	–	0.39	–
21108260	OP	Non-MC	6,409	0.68	0.25	0.14	0.61	–	–	0.58	-0.48	-0.22	0.58	–
21108280	OP	Non-MC	2,327	0.42	0.49	0.17	0.33	–	–	0.39	-0.37	0.05	0.36	–
21108290	OP	Non-MC	22,965	0.50	0.45	0.10	0.45	–	–	0.57	-0.48	-0.18	0.59	–
21108490	HL	Non-MC	22,965	0.43	0.32	0.50	0.18	–	–	0.49	-0.43	0.12	0.36	–
31196480	VL	Non-MC	1,518	0.38	0.47	0.29	0.23	–	–	0.24	-0.15	-0.11	0.29	–
11193070	FT	Non-MC	1,120	0.08	0.92	0.08	–	–	–	0.20	-0.20	0.20	–	–
11193120	FT	Non-MC	1,398	0.38	0.52	0.19	0.29	–	–	0.33	-0.22	-0.16	0.39	–
11193130	FT	Non-MC	1,401	0.56	0.38	0.12	0.50	–	–	0.35	-0.26	-0.23	0.40	–
11193150	FT	Non-MC	1,405	0.44	0.49	0.13	0.38	–	–	0.40	-0.31	-0.19	0.44	–
11194750	FT	Non-MC	1,409	0.73	0.16	0.21	0.63	–	–	0.52	-0.41	-0.23	0.50	–
11194770	FT	Non-MC	1,118	0.23	0.77	0.23	–	–	–	0.15	-0.15	0.15	–	–
11194790	FT	Non-MC	1,410	0.49	0.37	0.29	0.34	–	–	0.39	-0.29	-0.10	0.39	–
11194800	FT	Non-MC	1,116	0.28	0.72	0.28	–	–	–	0.47	-0.47	0.47	–	–
11195000	FT	Non-MC	1,115	0.33	0.67	0.33	–	–	–	0.38	-0.38	0.38	–	–

ELA Grade 7														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11205200	FT	Non-MC	1,116	0.59	0.41	0.59	–	–	–	0.34	-0.34	0.34	–	–
11206120	FT	Non-MC	1,116	0.54	0.46	0.54	–	–	–	0.24	-0.24	0.24	–	–
11218230	FT	Non-MC	1,309	0.20	0.80	0.20	–	–	–	0.35	-0.35	0.35	–	–
11218720	FT	Non-MC	1,234	0.23	0.77	0.23	–	–	–	0.30	-0.30	0.30	–	–
11218730	FT	Non-MC	1,119	0.61	0.39	0.61	–	–	–	0.32	-0.32	0.32	–	–
11220010	FT	Non-MC	1,403	0.58	0.37	0.09	0.53	–	–	0.44	-0.39	-0.12	0.44	–
11220030	FT	Non-MC	1,404	0.57	0.22	0.42	0.36	–	–	0.54	-0.45	-0.08	0.46	–
11220070	FT	Non-MC	1,109	0.48	0.52	0.48	–	–	–	0.54	-0.54	0.54	–	–
11222460	FT	Non-MC	1,122	0.81	0.19	0.81	–	–	–	0.47	-0.47	0.47	–	–
11222580	FT	Non-MC	1,405	0.60	0.20	0.41	0.40	–	–	0.51	-0.41	-0.11	0.45	–
11222750	FT	Non-MC	1,409	0.78	0.16	0.13	0.72	–	–	0.52	-0.45	-0.18	0.50	–
11223370	FT	Non-MC	1,401	0.51	0.32	0.35	0.33	–	–	0.43	-0.42	0.08	0.33	–
11224090	FT	Non-MC	1,414	0.44	0.44	0.24	0.32	–	–	0.35	-0.23	-0.17	0.40	–
11224100	FT	Non-MC	1,395	0.40	0.44	0.32	0.24	–	–	0.10	-0.04	-0.08	0.14	–
11224300	FT	Non-MC	1,114	0.38	0.62	0.38	–	–	–	0.32	-0.32	0.32	–	–
11224320	FT	Non-MC	1,399	0.67	0.23	0.21	0.57	–	–	0.50	-0.35	-0.28	0.53	–
11224330	FT	Non-MC	1,401	0.28	0.55	0.34	0.11	–	–	0.28	-0.23	0.07	0.26	–
11224340	FT	Non-MC	1,118	0.71	0.29	0.71	–	–	–	0.44	-0.44	0.44	–	–
11225480	FT	Non-MC	1,134	0.22	0.78	0.22	–	–	–	0.21	-0.21	0.21	–	–
21109590	FT	Non-MC	1,116	0.47	0.53	0.47	–	–	–	0.39	-0.39	0.39	–	–
21109600	FT	Non-MC	1,175	0.22	0.78	0.22	–	–	–	0.29	-0.29	0.29	–	–
21109610	FT	Non-MC	1,175	0.33	0.63	0.08	0.29	–	–	0.32	-0.30	0.02	0.31	–
21111260	FT	Non-MC	1,175	0.24	0.76	0.24	–	–	–	0.29	-0.29	0.29	–	–

Table F.6. Classical Item-Level Statistics—ELA Grade 8

ELA Grade 8														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11188180	OP	MC	258	0.67	0.07	0.12	0.67	0.14	–	0.32	-0.14	-0.24	0.32	-0.10
11188190	OP	MC	222	0.48	0.12	0.21	0.19	0.48	–	0.38	-0.17	-0.10	-0.24	0.38
11188200	OP	MC	3	0.67	–	0.67	–	0.33	–	0.50	–	0.50	–	-0.50
11188210	OP	MC	234	0.65	0.06	0.10	0.18	0.65	–	0.20	0.02	-0.18	-0.12	0.20
11188220	OP	MC	16	0.69	0.06	0.06	0.69	0.19	–	0.37	-0.14	-0.14	0.37	-0.27
11188230	OP	MC	233	0.34	0.30	0.34	0.24	0.12	–	0.27	-0.26	0.27	0.03	-0.07
11188240	OP	MC	2	1.00	–	1.00	–	–	–	–	–	–	–	–
11188260	OP	MC	198	0.55	0.22	0.12	0.55	0.11	–	0.30	-0.22	-0.04	0.30	-0.13
11188270	OP	MC	234	0.69	0.03	0.02	0.27	0.69	–	0.23	-0.01	-0.15	-0.20	0.23
11188370	OP	MC	1	1.00	1.00	–	–	–	–	–	–	–	–	–
11190880	OP	MC	99	0.11	0.11	0.38	0.42	0.08	–	-0.02	-0.02	0.01	0.01	-0.01
11190970	OP	MC	94	0.65	0.10	0.16	0.65	0.10	–	0.43	-0.02	-0.37	0.43	-0.22
11190980	OP	MC	262	0.44	0.35	0.44	0.10	0.11	–	0.30	-0.17	0.30	-0.12	-0.10
11191050	OP	MC	1,615	0.33	0.33	0.19	0.29	0.19	–	0.37	0.37	-0.18	-0.12	-0.13
11191060	OP	MC	1,615	0.53	0.32	0.53	0.09	0.07	–	0.33	-0.14	0.33	-0.19	-0.18
11191070	OP	MC	2,865	0.49	0.14	0.49	0.14	0.23	–	0.32	-0.13	0.32	-0.16	-0.14
11191080	OP	MC	3,003	0.45	0.15	0.26	0.45	0.15	–	0.31	-0.10	-0.08	0.31	-0.23
11191110	OP	MC	7,150	0.38	0.13	0.38	0.43	0.06	–	0.22	-0.16	0.22	-0.06	-0.10
11191120	OP	MC	151	0.50	0.34	0.50	0.11	0.05	–	0.36	-0.22	0.36	-0.10	-0.21
11191130	OP	MC	2,794	0.41	0.34	0.41	0.14	0.11	–	0.31	-0.15	0.31	-0.08	-0.16
11191140	OP	MC	7,314	0.44	0.29	0.18	0.10	0.44	–	0.42	-0.30	-0.13	-0.07	0.42
11191150	OP	MC	632	0.52	0.52	0.15	0.20	0.13	–	0.42	0.42	-0.23	-0.16	-0.19
11191160	OP	MC	11,469	0.41	0.25	0.41	0.19	0.15	–	0.21	-0.12	0.21	-0.15	0.01
11191170	OP	MC	3,586	0.48	0.48	0.11	0.28	0.13	–	0.26	0.26	-0.18	-0.07	-0.13
11191190	OP	MC	55	0.78	0.78	0.07	0.13	0.02	–	0.26	0.26	-0.16	-0.18	-0.05
11191200	OP	MC	412	0.98	–	0.01	0.98	0.01	–	0.16	–	-0.10	0.16	-0.12
11191220	OP	MC	4,433	0.25	0.21	0.06	0.48	0.25	–	0.23	-0.10	-0.08	-0.08	0.23
11191240	OP	MC	3,984	0.71	0.02	0.71	0.16	0.10	–	0.24	-0.11	0.24	-0.20	-0.05
11191250	OP	MC	4,442	0.89	0.04	0.02	0.89	0.05	–	0.18	-0.10	-0.10	0.18	-0.11
11191280	OP	MC	202	0.54	0.16	0.19	0.54	0.11	–	0.46	-0.22	-0.27	0.46	-0.15
11219070	OP	MC	1	1.00	–	1.00	–	–	–	–	–	–	–	–
21048270	OP	MC	2,721	0.43	0.36	0.11	0.10	0.43	–	0.32	-0.20	-0.12	-0.09	0.32

ELA Grade 8														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21048280	OP	MC	11,793	0.45	0.24	0.45	0.22	0.09	–	0.23	-0.06	0.23	-0.13	-0.11
21048290	OP	MC	2,100	0.20	0.16	0.39	0.25	0.20	–	0.15	-0.04	-0.01	-0.09	0.15
21048300	HL	MC	23,252	0.39	0.21	0.39	0.10	0.29	–	0.22	-0.11	0.22	-0.21	–
21048310	OP	MC	20,432	0.46	0.46	0.22	0.16	0.16	–	0.15	0.15	0.02	-0.25	0.02
21048320	OP	MC	15,768	0.36	0.08	0.36	0.35	0.21	–	0.15	-0.14	0.15	0.08	-0.17
21048330	HL	MC	23,252	0.76	0.08	0.06	0.76	0.09	–	0.46	-0.28	-0.31	0.46	-0.14
21048340	OP	MC	8,288	0.53	0.53	0.01	0.38	0.08	–	0.33	0.33	-0.06	-0.27	-0.10
21048350	HL	MC	23,252	0.46	0.12	0.15	0.46	0.26	–	0.38	-0.24	-0.21	0.38	-0.09
21048360	HL	MC	23,252	0.68	0.11	0.68	0.12	0.09	–	0.40	-0.17	0.40	-0.26	-0.17
21048410	VL	MC	1,250	0.45	0.26	0.17	0.12	0.45	–	0.41	-0.19	-0.15	-0.20	0.41
21048420	VL	MC	1,250	0.58	0.12	0.58	0.12	0.18	–	0.39	-0.28	0.39	-0.20	-0.09
21048430	VL	MC	1,250	0.60	0.17	0.60	0.16	0.07	–	0.41	-0.06	0.41	-0.32	-0.23
21048450	VL	MC	1,250	0.54	0.24	0.15	0.54	0.07	–	0.38	-0.14	-0.16	0.38	-0.29
21048760	OP	MC	83	0.36	0.12	0.22	0.36	0.30	–	0.21	-0.09	-0.05	0.21	-0.11
21048770	OP	MC	2	–	0.50	0.50	–	–	–	–	1.00	-1.00	–	–
21048780	OP	MC	2	–	–	0.50	–	0.50	–	–	–	-1.00	–	1.00
21048810	OP	MC	41	0.32	0.32	0.15	0.27	0.27	–	0.08	0.08	0.27	-0.05	-0.25
21048820	OP	MC	2	–	–	–	1.00	–	–	–	–	–	–	–
21048830	OP	MC	87	0.18	0.20	0.22	0.40	0.18	–	0.01	–	-0.06	0.04	0.01
21048850	OP	MC	33	0.36	0.21	0.24	0.36	0.18	–	0.28	0.09	-0.39	0.28	-0.01
21048860	OP	MC	7	0.14	0.14	0.14	0.57	0.14	–	0.48	0.48	0.48	-0.42	-0.36
21048880	OP	MC	3	–	0.33	–	0.67	–	–		-0.87		0.87	
21048890	OP	MC	85	0.59	0.11	0.59	0.20	0.11	–	0.27	-0.04	0.27	-0.22	-0.10
21048900	OP	MC	3	0.33	0.33	0.33	–	0.33	–	-0.94	-0.94	0.76		0.19
21048920	OP	MC	5	1.00	–	–	1.00	–	–	–	–	–	–	–
21048930	OP	MC	3	–	–	1.00	–	–	–	–	–	–	–	–
21048940	OP	MC	5	1.00	–	1.00	–	–	–	–	–	–	–	–
21048950	OP	MC	155	0.43	0.18	0.24	0.43	0.15	–	0.21	-0.24	0.02	0.21	-0.07
21048960	OP	MC	6	0.83	–	0.83	–	0.17	–	-0.12	–	-0.12	–	0.12
21048970	OP	MC	694	0.40	0.16	0.16	0.28	0.40	–	0.28	-0.06	-0.11	-0.17	0.28
21048980	OP	MC	716	0.34	0.15	0.34	0.27	0.24	–	0.24	-0.07	0.24	-0.09	-0.11
21048990	OP	MC	713	0.26	0.18	0.20	0.37	0.26	–	0.23	0.02	-0.12	-0.13	0.23
21049030	OP	MC	716	0.26	0.26	0.22	0.31	0.22	–	0.28	0.28	-0.10	-0.13	-0.05

ELA Grade 8														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21049100	OP	MC	28	0.64	–	0.29	0.07	0.64	–	0.56	–	-0.45	-0.25	0.56
21049330	OP	MC	44	0.16	0.16	0.30	0.32	0.23	–	0.08	0.08	0.24	0.08	-0.42
21049410	OP	MC	75	0.44	0.24	0.21	0.44	0.11	–	0.42	-0.08	-0.14	0.42	-0.37
21049420	OP	MC	79	0.42	0.42	0.18	0.15	0.25	–	0.44	0.44	-0.28	-0.17	-0.11
21049440	OP	MC	31	0.55	0.06	0.19	0.55	0.19	–	0.32	-0.33	-0.34	0.32	0.15
21049450	OP	MC	18	0.22	0.39	0.28	0.11	0.22	–	0.05	0.49	-0.54	-0.06	0.05
21049460	OP	MC	12	0.50	0.50	0.17	0.17	0.17	–	0.66	0.66	-0.08	-0.21	-0.60
21049470	OP	MC	62	0.40	0.40	0.08	0.31	0.21	–	0.46	0.46	-0.01	-0.15	-0.38
21049550	OP	MC	28	0.39	0.11	0.46	0.39	0.04	–	0.29	-0.15	-0.20	0.29	0.02
21049570	OP	MC	1,152	0.47	0.34	0.14	0.05	0.47	–	0.27	-0.13	-0.08	-0.19	0.27
21049590	OP	MC	4	0.25	–	0.25	0.50	0.25	–	0.19	–	0.19	0.26	-0.49
21049630	OP	MC	722	0.73	0.02	0.73	0.08	0.17	–	0.37	-0.14	0.37	-0.20	-0.24
21049660	OP	MC	27	0.70	0.70	–	0.11	0.19	–	0.20	0.20	–	–	-0.24
21049670	OP	MC	25	0.16	0.16	0.16	0.52	0.16	–	0.38	0.23	0.38	-0.50	0.06
21049690	OP	MC	354	0.59	0.10	0.13	0.59	0.18	–	0.38	-0.19	-0.17	0.38	-0.19
21049700	OP	MC	282	0.46	0.46	0.13	0.18	0.23	–	0.40	0.40	-0.20	-0.26	-0.08
21049720	OP	MC	516	0.53	0.16	0.07	0.24	0.53	–	0.38	-0.17	-0.14	-0.22	0.38
21049760	OP	MC	541	0.49	0.16	0.22	0.13	0.49	–	0.41	-0.15	-0.17	-0.23	0.41
21049770	OP	MC	1,086	0.39	0.15	0.32	0.39	0.14	–	0.30	-0.09	-0.16	0.30	-0.12
21049930	OP	MC	733	0.36	0.25	0.25	0.14	0.36	–	0.36	-0.13	-0.13	-0.17	0.36
21049960	OP	MC	815	0.63	0.04	0.19	0.63	0.15	–	0.20	-0.08	-0.10	0.20	-0.12
21049980	OP	MC	18	0.83	0.83	0.06	0.06	0.06	–	0.56	0.56	-0.45	-0.09	-0.36
21050060	OP	MC	2	0.50	0.50	–	–	0.50	–	–	–	–	–	–
21050140	OP	MC	11	0.91	–	0.09	–	0.91	–	0.45	–	-0.45	–	0.45
21050170	OP	MC	795	0.50	0.50	0.05	0.28	0.17	–	0.37	0.37	-0.16	-0.17	-0.20
21050200	OP	MC	11	0.55	0.55	0.09	0.18	0.18	–	0.38	0.38	-0.18	0.11	-0.47
21050220	OP	MC	11	0.27	–	0.64	0.27	0.09	–	0.42	–	-0.12	0.42	-0.45
21050230	OP	MC	11	0.73	0.73	0.09	0.18	–	–	0.45	0.45	-0.45	-0.19	–
21050270	OP	MC	542	0.68	0.14	0.10	0.68	0.08	–	0.33	-0.11	-0.22	0.33	-0.19
21071370	VL	MC	1,250	0.74	0.09	0.11	0.74	0.07	–	0.45	-0.28	-0.20	0.45	-0.23
21071380	VL	MC	1,250	0.45	0.45	0.15	0.17	0.23	–	0.46	0.46	-0.16	-0.23	-0.20
21071410	VL	MC	1,250	0.44	0.24	0.18	0.44	0.15	–	0.28	0.02	-0.26	0.28	-0.14
21071580	OP	MC	1,689	0.48	0.48	0.29	0.18	0.04	–	0.34	0.34	-0.13	-0.18	-0.17

ELA Grade 8														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21071590	OP	MC	7,202	0.57	0.08	0.22	0.13	0.57	–	0.35	-0.15	-0.17	-0.17	0.35
21071650	OP	MC	1	1.00	–	–	–	1.00	–	–	–	–	–	–
21071660	OP	MC	2,503	0.39	0.09	0.17	0.39	0.36	–	0.26	-0.09	-0.14	0.26	-0.11
21071690	OP	MC	2,900	0.57	0.12	0.07	0.24	0.57	–	0.39	-0.13	-0.22	-0.22	0.39
21071700	HL	MC	23,252	0.69	0.09	0.69	0.08	0.14	–	0.40	-0.09	0.40	-0.32	-0.21
21071710	HL	MC	23,252	0.69	0.69	0.08	0.08	0.15	–	0.39	0.39	-0.19	-0.30	-0.12
21071720	HL	MC	23,252	0.68	0.12	0.07	0.68	0.13	–	0.38	-0.14	-0.20	0.38	-0.24
21071740	HL	MC	23,252	0.62	0.18	0.12	0.62	0.08	–	0.44	-0.20	-0.26	0.44	-0.18
21071750	HL	MC	23,252	0.43	0.34	0.43	0.18	0.05	–	0.30	-0.09	0.30	-0.17	-0.20
21071760	HL	MC	23,252	0.84	0.84	0.04	0.08	0.04	–	0.41	0.41	-0.24	-0.28	-0.15
21071770	HL	MC	23,252	0.46	0.09	0.27	0.18	0.46	–	0.35	-0.08	-0.11	-0.27	0.35
21072320	VL	MC	1,250	0.60	0.08	0.24	0.60	0.09	–	0.34	-0.23	-0.16	0.34	-0.12
21072330	VL	MC	1,250	0.72	0.72	0.03	0.15	0.10	–	0.39	0.39	-0.23	-0.24	-0.16
21072340	VL	MC	1,250	0.60	0.23	0.06	0.12	0.60	–	0.38	-0.13	-0.22	-0.25	0.38
21072350	VL	MC	1,250	0.68	0.09	0.68	0.04	0.18	–	0.36	-0.16	0.36	-0.25	-0.18
21072460	OP	MC	828	0.36	0.16	0.23	0.24	0.36	–	0.40	-0.16	-0.13	-0.18	0.40
21072470	OP	MC	230	0.36	0.17	0.36	0.24	0.23	–	0.36	-0.13	0.36	-0.12	-0.17
21072490	OP	MC	1,696	0.33	0.17	0.33	0.31	0.20	–	0.28	-0.05	0.28	-0.07	-0.21
21072510	OP	MC	11	0.73	0.73	0.18	0.09	–	–	0.38	0.38	-0.06	-0.50	–
21072520	OP	MC	52	0.33	0.33	0.23	0.29	0.15	–	0.48	0.48	0.04	-0.37	-0.20
21072540	HL	MC	23,252	0.47	0.22	0.21	0.47	0.11	–	0.21	-0.13	-0.05	0.21	-0.10
21072550	HL	MC	23,252	0.43	0.43	0.13	0.28	0.16	–	0.34	0.34	-0.25	-0.08	-0.13
21072560	HL	MC	23,252	0.56	0.14	0.19	0.56	0.12	–	0.43	-0.21	-0.16	0.43	-0.25
21072570	HL	MC	23,252	0.63	0.15	0.11	0.11	0.63	–	0.37	-0.23	-0.25	-0.06	0.37
21072580	OP	MC	33	0.79	0.03	0.79	0.03	0.15	–	0.43	-0.11	0.43	-0.03	-0.42
21072590	HL	MC	23,252	0.47	0.10	0.33	0.10	0.47	–	0.39	-0.30	-0.05	-0.28	0.39
21073230	OP	MC	1,486	0.40	0.19	0.23	0.18	0.40	–	0.30	-0.06	-0.15	-0.16	0.30
21073270	OP	MC	23,252	0.25	0.14	0.58	0.25	0.03	–	0.12	-0.20	0.12	0.12	-0.23
21073280	OP	MC	17,398	0.72	0.06	0.16	0.06	0.72	–	0.46	-0.24	-0.21	-0.31	0.46
21073300	OP	MC	891	0.30	0.30	0.26	0.25	0.19	–	0.42	0.42	-0.13	-0.19	-0.15
21073310	OP	MC	15,248	0.50	0.18	0.50	0.26	0.06	–	0.37	-0.23	0.37	-0.19	-0.05
21073330	OP	MC	2,650	0.47	0.19	0.23	0.47	0.11	–	0.34	-0.09	-0.20	0.34	-0.15
21073350	OP	MC	380	0.31	0.31	0.17	0.30	0.22	–	0.36	0.36	-0.11	-0.22	-0.06

ELA Grade 8														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
21073360	OP	MC	4,481	0.61	0.61	0.10	0.17	0.12	–	0.39	0.39	-0.15	-0.22	-0.20
21073390	OP	MC	8,764	0.38	0.10	0.18	0.38	0.34	–	0.21	-0.12	-0.13	0.21	-0.04
21073410	OP	MC	11,092	0.65	0.02	0.27	0.06	0.65	–	0.27	-0.09	-0.17	-0.17	0.27
21073430	OP	MC	480	0.53	0.53	0.26	0.14	0.06	–	0.38	0.38	-0.21	-0.18	-0.15
21073440	OP	MC	1,581	0.56	0.30	0.56	0.05	0.09	–	0.32	-0.16	0.32	-0.17	-0.16
21073450	OP	MC	3,954	0.86	0.06	0.04	0.86	0.04	–	0.29	-0.17	-0.16	0.29	-0.15
21073460	OP	MC	9,094	0.84	0.14	0.84	0.01	0.01	–	0.26	-0.22	0.26	-0.11	-0.08
21073480	OP	MC	16	0.44	0.31	–	0.25	0.44	–	-0.05	0.13	–	-0.09	-0.05
21073490	OP	MC	341	0.34	0.35	0.34	0.03	0.28	–	0.29	-0.14	0.29	-0.09	-0.12
21073510	OP	MC	39	0.44	0.23	0.23	0.10	0.44	–	0.27	-0.09	-0.02	-0.28	0.27
21073520	OP	MC	2,307	0.29	0.29	0.26	0.31	0.15	–	0.25	0.25	-0.10	-0.08	-0.09
21073620	OP	MC	409	0.45	0.12	0.36	0.45	0.07	–	0.23	-0.10	-0.10	0.23	-0.13
21073630	OP	MC	117	0.53	0.15	0.28	0.53	0.03	–	0.27	-0.16	-0.22	0.27	0.11
21073640	OP	MC	2,304	0.27	0.27	0.36	0.20	0.16	–	0.24	0.24	-0.08	-0.12	-0.06
21073650	OP	MC	1	1.00	–	–	–	1.00	–	–	–	–	–	–
21073660	OP	MC	13	0.38	0.31	0.23	0.38	0.08	–	0.46	–	-0.51	0.46	-0.03
21073670	OP	MC	1,739	0.45	0.18	0.05	0.45	0.32	–	0.28	-0.18	-0.18	0.28	-0.07
21073680	OP	MC	8	1.00	–	–	–	1.00	–	–	–	–	–	–
21073700	OP	MC	1,761	0.24	0.24	0.05	0.30	0.41	–	0.19	0.19	-0.16	-0.04	-0.06
21073710	OP	MC	1,761	0.49	0.49	0.14	0.29	0.08	–	0.33	0.33	-0.16	-0.16	-0.13
21073730	OP	MC	2,171	0.42	0.21	0.42	0.22	0.14	–	0.29	-0.06	0.29	-0.14	-0.16
21073740	OP	MC	1	1.00	–	1.00	–	–	–	–	–	–	–	–
21073750	OP	MC	13	0.46	0.31	0.46	0.08	0.15	–	0.45	-0.62	0.45	0.29	-0.05
21073770	OP	MC	6,395	0.54	0.26	0.09	0.11	0.54	–	0.26	-0.06	-0.14	-0.20	0.26
21073780	OP	MC	7,063	0.43	0.43	0.27	0.19	0.10	–	0.39	0.39	-0.12	-0.19	-0.21
21073790	OP	MC	4,674	0.44	0.15	0.19	0.23	0.44	–	0.35	-0.11	-0.15	-0.18	0.35
21073800	OP	MC	879	0.42	0.26	0.16	0.42	0.16	–	0.18	-0.02	-0.10	0.18	-0.12
21073810	OP	MC	6	0.50	0.50	0.17	0.17	0.17	–	0.64	0.64	-0.65	0.30	-0.51
21075640	OP	MC	13	0.54	0.15	–	0.54	0.31	–	0.18	-0.42	–	0.18	0.13
21075650	OP	MC	358	0.35	0.06	0.23	0.35	0.35	–	0.38	-0.10	-0.14	-0.20	0.38
21075700	OP	MC	2,993	0.39	0.17	0.27	0.39	0.17	–	0.27	-0.04	-0.12	0.27	-0.17
21075750	HL	MC	23,252	0.90	0.02	0.03	0.04	0.90	–	0.45	-0.21	-0.26	-0.28	0.45
21075820	OP	MC	39	0.18	0.05	0.18	0.51	0.26	–	0.02	0.06	0.02	–	-0.05

ELA Grade 8														
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21075830	OP	MC	4	0.50	–	–	0.50	0.50	–	0.12	–	–	0.12	-0.12
21076180	OP	MC	4	–	0.75	0.25	–	–	–	–	0.56	-0.56	–	–
21076190	OP	MC	39	0.36	0.08	0.26	0.31	0.36	–	0.56	-0.22	-0.18	-0.28	0.56
21076230	OP	MC	35	0.31	0.31	0.37	–	0.31	–	0.28	-0.28	–	–	0.28
21076350	OP	MC	35	0.20	0.46	0.29	0.20	0.06	–	0.12	0.13	-0.37	0.12	0.24
21076410	OP	MC	199	0.29	0.09	0.33	0.29	0.29	–	0.36	-0.09	-0.21	-0.08	0.36
21076520	OP	MC	1,615	0.44	0.13	0.06	0.44	0.37	–	0.30	-0.11	-0.17	0.30	-0.15
21076940	VL	MC	1,250	0.86	0.04	0.05	0.86	0.04	–	0.42	-0.24	-0.22	0.42	-0.24
21106550	OP	MC	2	0.50	0.50	–	0.50	–	–	–	–	–	–	–
21106560	OP	MC	2	1.00	1.00	–	–	–	–	–	–	–	–	–
21106580	OP	MC	2	0.50	0.50	–	0.50	–	–	–	–	–	–	–
21108980	OP	MC	1,060	0.38	0.30	0.38	0.16	0.17	–	0.33	-0.08	0.33	-0.22	-0.11
31232250	OP	MC	7,223	0.52	0.13	0.52	0.27	0.09	–	0.38	-0.16	0.38	-0.22	-0.14
41146900	OP	MC	8	0.63	0.13	0.25	–	0.63	–	0.53	-0.52	-0.20	–	0.53
11192230	FT	MC	941	0.62	0.25	0.05	0.08	0.62	–	0.37	-0.09	-0.24	-0.32	0.37
11192250	FT	MC	941	0.74	0.14	0.08	0.74	0.05	–	0.18	-0.07	-0.03	0.18	-0.22
11192260	FT	MC	941	0.39	0.22	0.21	0.39	0.19	–	0.23	0.04	-0.29	0.23	-0.04
11192270	FT	MC	942	0.39	0.26	0.16	0.39	0.19	–	0.16	0.15	-0.24	0.16	-0.13
11192280	FT	MC	940	0.49	0.24	0.07	0.49	0.20	–	0.29	-0.07	-0.26	0.29	-0.13
11192300	FT	MC	936	0.49	0.49	0.10	0.17	0.24	–	0.28	0.28	-0.26	-0.16	–
11192320	FT	MC	940	0.63	0.63	0.13	0.12	0.12	–	0.50	0.50	-0.24	-0.28	-0.20
11192370	FT	MC	937	0.35	0.22	0.21	0.22	0.35	–	0.25	-0.09	-0.20	0.01	0.25
11195100	FT	MC	1,192	0.69	0.08	0.13	0.69	0.11	–	0.50	-0.22	-0.23	0.50	-0.31
11195120	FT	MC	1,190	0.66	0.07	0.21	0.66	0.06	–	0.47	-0.22	-0.23	0.47	-0.30
11195260	FT	MC	1,187	0.65	0.08	0.65	0.14	0.14	–	0.33	-0.03	0.33	-0.23	-0.20
11195860	FT	MC	1,190	0.39	0.39	0.12	0.44	0.05	–	0.19	0.19	-0.17	0.04	-0.25
11195900	FT	MC	1,188	0.75	0.12	0.75	0.06	0.07	–	0.34	-0.19	0.34	-0.18	-0.15
11198770	FT	MC	945	0.48	0.18	0.14	0.21	0.48	–	0.38	-0.13	-0.18	-0.19	0.38
11198780	FT	MC	949	0.63	0.21	0.03	0.13	0.63	–	0.48	-0.29	-0.21	-0.23	0.48
11198790	FT	MC	945	0.64	0.07	0.20	0.10	0.64	–	0.42	-0.16	-0.27	-0.19	0.42
11198850	FT	MC	938	0.71	0.71	0.13	0.10	0.07	–	0.32	0.32	-0.18	-0.18	-0.13
11198880	FT	MC	1,112	0.52	0.52	0.17	0.08	0.23	–	0.26	0.26	-0.15	-0.20	-0.05
11198920	FT	MC	1,026	0.28	0.28	0.40	0.08	0.24	–	0.16	0.16	0.09	-0.17	-0.16

ELA Grade 8														
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11198930	FT	MC	2,182	0.23	0.31	0.29	0.17	0.23	–	0.12	0.03	-0.06	-0.11	0.12
11199020	FT	MC	939	0.75	0.11	0.75	0.07	0.07	–	0.33	-0.09	0.33	-0.31	-0.14
11199110	FT	MC	947	0.69	0.05	0.69	0.24	0.03	–	0.39	-0.23	0.39	-0.20	-0.26
11199120	FT	MC	942	0.66	0.11	0.10	0.66	0.13	–	0.43	-0.18	-0.25	0.43	-0.21
11199140	FT	MC	942	0.37	0.45	0.07	0.11	0.37	–	0.14	0.13	-0.22	-0.25	0.14
11199170	FT	MC	941	0.47	0.22	0.47	0.12	0.19	–	0.32	-0.26	0.32	-0.16	-0.01
11199200	FT	MC	942	0.62	0.62	0.08	0.20	0.11	–	0.42	0.42	-0.33	-0.14	-0.19
11199210	FT	MC	941	0.70	0.12	0.08	0.70	0.10	–	0.37	-0.29	-0.23	0.37	-0.03
11199220	FT	MC	965	0.50	0.25	0.04	0.50	0.04	–	0.37	-0.12	-0.16	0.37	-0.22
11199240	FT	MC	1,089	0.80	0.09	0.04	0.07	0.80	–	0.46	-0.20	-0.30	-0.27	0.46
11199290	FT	MC	941	0.64	0.09	0.64	0.11	0.16	–	0.23	-0.29	0.23	-0.12	0.02
11199320	FT	MC	941	0.54	0.54	0.14	0.09	0.24	–	0.28	0.28	-0.19	-0.20	-0.04
11199420	FT	MC	2,594	0.51	0.51	0.08	0.16	0.26	–	0.41	0.41	-0.30	-0.24	-0.10
11199470	FT	MC	938	0.78	0.04	0.09	0.09	0.78	–	0.51	-0.26	-0.25	-0.31	0.51
11199510	FT	MC	1,401	0.72	0.02	0.03	0.72	0.23	–	0.17	-0.16	-0.27	0.17	-0.02
11200170	FT	MC	1,378	0.96	0.01	0.02	0.02	0.96	–	0.39	-0.17	-0.26	-0.23	0.39
11200180	FT	MC	974	0.76	0.09	0.09	0.07	0.76	–	0.51	-0.27	-0.31	-0.22	0.51
11200190	FT	MC	2,569	0.67	0.04	0.16	0.13	0.67	–	0.23	-0.11	-0.01	-0.24	0.23
11200290	FT	MC	935	0.64	0.08	0.15	0.64	0.13	–	0.43	-0.11	-0.25	0.43	-0.26
11217390	FT	MC	1,042	0.37	0.23	0.25	0.37	0.15	–	0.06	-0.06	0.01	0.06	-0.02
11217400	FT	MC	1,034	0.45	0.14	0.33	0.09	0.45	–	0.17	-0.21	0.14	-0.26	0.17
11217410	FT	MC	1,030	0.60	0.13	0.14	0.60	0.14	–	0.38	-0.21	-0.16	0.38	-0.17
11217420	FT	MC	1,031	0.38	0.27	0.13	0.38	0.22	–	0.21	0.04	-0.21	0.21	-0.11
11217430	FT	MC	1,031	0.22	0.40	0.22	0.17	0.21	–	-0.01	0.23	-0.01	-0.28	-0.01
11217460	FT	MC	1,032	0.43	0.43	0.26	0.13	0.18	–	0.42	0.42	-0.04	-0.36	-0.19
11219350	FT	MC	938	0.52	0.52	0.23	0.07	0.17	–	0.17	0.17	-0.07	-0.21	0.01
11219360	FT	MC	941	0.62	0.62	0.08	0.07	0.24	–	0.38	0.38	-0.25	-0.25	-0.12
11220170	FT	MC	940	0.65	0.65	0.12	0.04	0.19	–	0.23	0.23	-0.19	-0.22	-0.01
11220180	FT	MC	944	0.51	0.24	0.08	0.51	0.17	–	0.40	-0.19	-0.15	0.40	-0.21
11220410	FT	MC	939	0.28	0.37	0.22	0.13	0.28	–	0.06	0.07	0.09	-0.29	0.06
11220630	FT	MC	942	0.46	0.12	0.21	0.22	0.46	–	0.29	-0.18	-0.08	-0.13	0.29
11220650	FT	MC	938	0.72	0.06	0.12	0.10	0.72	–	0.41	-0.23	-0.18	-0.25	0.41
11220660	FT	MC	939	0.50	0.29	0.07	0.13	0.50	–	0.21	0.05	-0.19	-0.22	0.21

ELA Grade 8														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11220670	FT	MC	938	0.27	0.26	0.22	0.25	0.27	–	0.22	-0.02	-0.16	-0.05	0.22
11221400	FT	MC	937	0.69	0.69	0.04	0.23	0.05	–	0.42	0.42	-0.19	-0.23	-0.30
11221520	FT	MC	938	0.75	0.07	0.06	0.75	0.11	–	0.32	-0.29	-0.10	0.32	-0.11
11222510	FT	MC	938	0.56	0.10	0.56	0.24	0.11	–	0.35	-0.10	0.35	-0.28	-0.09
11222810	FT	MC	942	0.74	0.09	0.74	0.05	0.13	–	0.36	-0.20	0.36	-0.29	-0.12
11223060	FT	MC	936	0.77	0.03	0.77	0.05	0.15	–	0.27	-0.19	0.27	-0.28	-0.05
11223080	FT	MC	939	0.63	0.63	0.20	0.06	0.11	–	0.46	0.46	-0.22	-0.26	-0.22
11223100	FT	MC	939	0.54	0.33	0.05	0.54	0.08	–	0.39	-0.15	-0.21	0.39	-0.30
11223250	FT	MC	940	0.44	0.23	0.14	0.19	0.44	–	0.21	0.11	-0.29	-0.13	0.21
11223940	FT	MC	976	0.63	0.07	0.63	0.20	0.10	–	0.42	-0.24	0.42	-0.23	-0.16
11221270	OP	Non-MC	116	0.70	0.05	0.49	0.46	–	–	0.48	-0.22	-0.37	0.47	–
11223490	OP	Non-MC	4,442	0.11	0.87	0.04	0.09	–	–	0.18	-0.17	0.01	0.19	–
11223500	OP	Non-MC	16,083	0.53	0.39	0.15	0.46	–	–	0.53	-0.45	-0.14	0.54	–
21096290	HL	Non-MC	23,252	0.80	0.08	0.24	0.68	–	–	0.51	-0.37	-0.28	0.48	–
21096370	OP	Non-MC	23,252	0.49	0.29	0.44	0.27	–	–	0.48	-0.42	0.03	0.39	–
21096440	VL	Non-MC	1,250	0.51	0.32	0.35	0.33	–	–	0.58	-0.46	-0.09	0.54	–
21107340	OP	Non-MC	2,770	0.39	0.33	0.57	0.10	–	–	0.41	-0.25	-0.04	0.45	–
21107350	OP	Non-MC	7,731	0.52	0.25	0.45	0.30	–	–	0.55	-0.41	-0.11	0.50	–
21107360	OP	Non-MC	7,026	0.71	0.07	0.46	0.48	–	–	0.44	-0.26	-0.28	0.41	–
21107430	HL	Non-MC	23,252	0.59	0.08	0.66	0.26	–	–	0.52	-0.38	-0.16	0.42	–
21107450	OP	Non-MC	13,379	0.30	0.65	0.11	0.24	–	–	0.45	-0.42	0.05	0.43	–
21107780	OP	Non-MC	7,202	0.56	0.40	0.08	0.52	–	–	0.36	-0.30	-0.15	0.38	–
21107790	OP	Non-MC	22,730	0.66	0.27	0.12	0.60	–	–	0.59	-0.53	-0.14	0.58	–
21108310	OP	Non-MC	2,764	0.19	0.73	0.16	0.11	–	–	0.40	-0.35	0.12	0.36	–
21108320	OP	Non-MC	1,761	0.67	0.28	0.11	0.61	–	–	0.45	-0.40	-0.13	0.45	–
21108330	OP	Non-MC	7,063	0.34	0.56	0.20	0.24	–	–	0.50	-0.41	-0.02	0.50	–
21108350	OP	Non-MC	15,466	0.50	0.42	0.16	0.42	–	–	0.56	-0.45	-0.19	0.59	–
21108370	OP	Non-MC	21,106	0.29	0.69	0.05	0.26	–	–	0.36	-0.30	-0.19	0.41	–
21108480	HL	Non-MC	23,252	0.44	0.21	0.71	0.08	–	–	0.41	-0.35	0.15	0.26	–
21108490	VL	Non-MC	1,250	0.50	0.26	0.50	0.25	–	–	0.47	-0.40	0.03	0.37	–
31196380	OP	Non-MC	18,527	0.42	0.31	0.55	0.15	–	–	0.39	-0.40	0.24	0.19	–
31196480	HL	Non-MC	23,252	0.44	0.42	0.27	0.30	–	–	0.33	-0.20	-0.17	0.38	–
11192240	FT	Non-MC	1,932	0.41	0.55	0.07	0.38	–	–	0.28	-0.23	-0.17	0.32	–

ELA Grade 8														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11192290	FT	Non-MC	943	0.19	0.81	0.19	–	–	–	0.28	-0.28	0.28	–	–
11192310	FT	Non-MC	933	0.36	0.64	0.36	–	–	–	0.50	-0.50	0.50	–	–
11192340	FT	Non-MC	937	0.21	0.79	0.21	–	–	–	0.40	-0.40	0.40	–	–
11192350	FT	Non-MC	1,925	0.57	0.37	0.14	0.50	–	–	0.50	-0.43	-0.12	0.50	–
11192360	FT	Non-MC	939	0.35	0.65	0.35	–	–	–	0.45	-0.45	0.45	–	–
11195110	FT	Non-MC	1,423	0.50	0.28	0.43	0.29	–	–	0.49	-0.43	0.03	0.39	–
11195820	FT	Non-MC	1,186	0.32	0.68	0.32	–	–	–	0.48	-0.48	0.48	–	–
11195830	FT	Non-MC	1,426	0.44	0.29	0.56	0.16	–	–	0.52	-0.54	0.30	0.26	–
11195850	FT	Non-MC	1,427	0.20	0.71	0.19	0.10	–	–	0.01	0.07	-0.19	0.13	–
11195880	FT	Non-MC	1,425	0.51	0.37	0.23	0.39	–	–	0.52	-0.40	-0.18	0.55	–
11195890	FT	Non-MC	1,426	0.37	0.38	0.50	0.12	–	–	0.29	-0.22	0.05	0.25	–
11198720	FT	Non-MC	944	0.35	0.65	0.35	–	–	–	0.40	-0.40	0.40	–	–
11198840	FT	Non-MC	938	0.33	0.67	0.33	–	–	–	0.13	-0.13	0.13	–	–
11198860	FT	Non-MC	949	0.18	0.82	0.18	–	–	–	-0.01	0.01	-0.01	–	–
11199070	FT	Non-MC	3,067	0.27	0.73	0.27	–	–	–	0.34	-0.34	0.34	–	–
11199100	FT	Non-MC	940	0.17	0.83	0.17	–	–	–	0.32	-0.32	0.32	–	–
11199550	FT	Non-MC	2,899	0.55	0.45	0.55	–	–	–	0.41	-0.41	0.41	–	–
11199580	FT	Non-MC	942	0.22	0.78	0.22	–	–	–	0.27	-0.27	0.27	–	–
11199780	FT	Non-MC	3,175	0.61	0.17	0.46	0.38	–	–	0.36	-0.24	-0.15	0.34	–
11199930	FT	Non-MC	1,931	0.18	0.75	0.13	0.12	–	–	0.35	-0.36	0.21	0.27	–
11199950	FT	Non-MC	1,935	0.54	0.22	0.47	0.31	–	–	0.24	-0.12	-0.15	0.27	–
11200130	FT	Non-MC	937	0.40	0.60	0.40	–	–	–	0.42	-0.42	0.42	–	–
11200250	FT	Non-MC	940	0.16	0.84	0.16	–	–	–	0.24	-0.24	0.24	–	–
11200270	FT	Non-MC	1,166	0.22	0.78	0.22	–	–	–	0.32	-0.32	0.32	–	–
11200280	FT	Non-MC	1,001	0.43	0.57	0.43	–	–	–	0.26	-0.26	0.26	–	–
11200310	FT	Non-MC	1,522	0.45	0.55	0.45	–	–	–	0.26	-0.26	0.26	–	–
11217440	FT	Non-MC	1,742	0.32	0.64	0.07	0.29	–	–	0.37	-0.34	-0.03	0.37	–
11217470	FT	Non-MC	1,742	0.49	0.32	0.38	0.30	–	–	0.43	-0.34	-0.05	0.40	–
11217500	FT	Non-MC	1,739	0.39	0.57	0.07	0.36	–	–	0.41	-0.33	-0.21	0.45	–
11217510	FT	Non-MC	1,738	0.24	0.69	0.13	0.18	–	–	0.26	-0.16	-0.17	0.34	–
11217520	FT	Non-MC	1,030	0.35	0.65	0.35	–	–	–	0.40	-0.40	0.40	–	–
11220400	FT	Non-MC	938	0.12	0.88	0.12	–	–	–	0.09	-0.09	0.09	–	–
11221310	FT	Non-MC	1,937	0.86	0.05	0.17	0.78	–	–	0.47	-0.32	-0.32	0.46	–

ELA Grade 8														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
11222380	FT	Non-MC	940	0.05	0.95	0.05	–	–	–	0.15	-0.15	0.15	–	–
11222610	FT	Non-MC	941	0.16	0.84	0.16	–	–	–	0.38	-0.38	0.38	–	–
11222930	FT	Non-MC	936	0.62	0.38	0.62	–	–	–	0.53	-0.53	0.53	–	–
11223140	FT	Non-MC	936	0.52	0.48	0.52	–	–	–	0.56	-0.56	0.56	–	–
11224000	FT	Non-MC	3,018	0.11	0.90	0.11	–	–	–	0.19	-0.19	0.19	–	–
11224030	FT	Non-MC	1,933	0.22	0.69	0.18	0.13	–	–	0.39	-0.35	0.13	0.34	–

Table F.7. Classical Item-Level Statistics—Mathematics Grade 3

Mathematics Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31163350	HL	MC	23,858	0.55	0.55	0.08	0.28	0.10	–	0.42	0.42	-0.18	-0.18	-0.27
31163360	OP	MC	70	0.37	0.37	0.11	0.34	0.17	–	0.52	0.52	-0.39	-0.19	-0.10
31163410	OP	MC	1,251	0.52	0.14	0.52	0.23	0.10	–	0.36	-0.17	0.36	-0.16	-0.17
31163430	OP	MC	431	0.59	0.59	0.10	0.20	0.12	–	0.45	0.45	-0.19	-0.32	-0.12
31163480	OP	MC	91	0.56	0.09	0.56	0.05	0.30	–	0.30	-0.02	0.30	-0.21	-0.21
31163530	OP	MC	631	0.42	0.42	0.35	0.07	0.16	–	0.44	0.44	-0.20	-0.18	-0.20
31163590	OP	MC	510	0.53	0.53	0.20	0.09	0.18	–	0.33	0.33	-0.18	-0.16	-0.12
31163630	OP	MC	817	0.45	0.45	0.28	0.18	0.10	–	0.37	0.37	-0.17	-0.17	-0.14
31163660	OP	MC	407	0.41	0.41	0.24	0.12	0.23	–	0.47	0.47	-0.23	-0.09	-0.24
31163670	OP	MC	2	0.50	–	0.50	0.50	–	–	1.00	–	1.00	-1.00	–
31163720	OP	MC	9,266	0.49	0.20	0.49	0.15	0.17	–	0.38	-0.21	0.38	-0.14	-0.15
31163730	OP	MC	972	0.42	0.42	0.15	0.16	0.27	–	0.38	0.38	-0.05	-0.19	-0.22
31163750	OP	MC	19,389	0.64	0.64	0.13	0.14	0.10	–	0.44	0.44	-0.17	-0.27	-0.20
31163770	OP	MC	7,480	0.47	0.24	0.47	0.16	0.13	–	0.30	-0.18	0.30	-0.12	-0.09
31163780	HL	MC	23,858	0.55	0.55	0.13	0.13	0.19	–	0.60	0.60	-0.19	-0.30	-0.34
31163800	OP	MC	755	0.45	0.45	0.17	0.31	0.06	–	0.36	0.36	-0.15	-0.21	-0.10
31163830	OP	MC	1,937	0.40	0.40	0.41	0.15	0.04	–	0.34	0.34	-0.17	-0.19	-0.07
31163850	OP	MC	456	0.54	0.54	0.25	0.15	0.06	–	0.41	0.41	-0.24	-0.15	-0.19
31163970	OP	MC	613	0.49	0.31	0.49	0.12	0.08	–	0.41	-0.17	0.41	-0.25	-0.15
31164050	OP	MC	1,273	0.48	0.25	0.48	0.19	0.07	–	0.30	-0.17	0.30	-0.12	-0.12
31164080	OP	MC	181	0.58	0.58	0.16	0.12	0.14	–	0.37	0.37	-0.20	-0.09	-0.22

Mathematics Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31164090	OP	MC	77	0.48	0.48	0.10	0.21	0.21	–	0.32	0.32	-0.23	-0.16	-0.06
31164120	OP	MC	89	0.38	0.33	0.38	0.09	0.20	–	0.45	-0.18	0.45	-0.02	-0.31
31164230	OP	MC	92	0.51	0.08	0.51	0.07	0.35	–	0.49	-0.02	0.49	-0.19	-0.40
31164250	OP	MC	1,368	0.67	0.67	0.19	0.03	0.10	–	0.27	0.27	-0.23	-0.08	-0.07
31164260	OP	MC	1,450	0.45	0.45	0.29	0.11	0.16	–	0.38	0.38	-0.24	-0.08	-0.15
31164360	OP	MC	893	0.68	0.16	0.68	0.09	0.08	–	0.30	-0.11	0.30	-0.19	-0.18
31164400	OP	MC	96	0.45	0.45	0.14	0.11	0.30	–	0.40	0.40	-0.30	-0.06	-0.16
31164470	OP	MC	317	0.47	0.47	0.15	0.31	0.08	–	0.40	0.40	-0.19	-0.21	-0.13
31164480	OP	MC	80	0.48	0.48	0.13	0.24	0.16	–	0.27	0.27	-0.05	-0.09	-0.22
31164490	OP	MC	39	0.56	0.15	0.56	0.10	0.18	–	0.19	-0.29	0.19	–	0.02
31164530	OP	MC	1,103	0.43	0.43	0.35	0.06	0.15	–	0.26	0.26	-0.19	-0.06	-0.06
31164590	OP	MC	440	0.52	0.10	0.52	0.13	0.24	–	0.32	-0.12	0.32	-0.16	-0.16
31164600	OP	MC	3,865	0.38	0.20	0.38	0.06	0.36	–	0.41	-0.17	0.41	-0.07	-0.23
31164660	OP	MC	272	0.40	0.40	0.25	0.17	0.18	–	0.33	0.33	-0.26	0.07	-0.19
31164720	HL	MC	23,858	0.76	0.16	0.76	0.05	0.03	–	0.29	-0.13	0.29	-0.20	-0.20
31164750	OP	MC	1,860	0.47	0.47	0.20	0.11	0.22	–	0.43	0.43	-0.16	-0.14	-0.26
31164780	OP	MC	4,207	0.72	0.09	0.72	0.03	0.16	–	0.41	-0.16	0.41	-0.14	-0.30
31164810	OP	MC	1,743	0.76	0.76	0.09	0.11	0.04	–	0.28	0.28	-0.19	-0.14	-0.12
31164840	HL	MC	23,858	0.49	0.06	0.49	0.38	0.08	–	0.46	-0.12	0.46	-0.26	-0.28
31164860	VL	MC	1,250	0.78	0.11	0.78	0.06	0.05	–	0.29	-0.20	0.29	-0.10	-0.16
31164960	OP	MC	438	0.60	0.28	0.60	0.01	0.11	–	0.32	-0.22	0.32	-0.13	-0.15
31164970	VL	MC	1,250	0.72	0.72	0.18	0.06	0.05	–	0.41	0.41	-0.22	-0.25	-0.19
31164990	VL	MC	1,000	0.73	0.73	0.16	0.08	0.03	–	0.48	0.48	-0.26	-0.28	-0.25
31165130	OP	MC	1,300	0.50	0.20	0.50	0.08	0.22	–	0.37	-0.21	0.37	-0.14	-0.16
31165210	OP	MC	2,005	0.46	0.46	0.30	0.15	0.09	–	0.41	0.41	-0.22	-0.13	-0.20
31165240	OP	MC	12,856	0.60	0.60	0.16	0.19	0.05	–	0.49	0.49	-0.28	-0.28	-0.14
31165260	OP	MC	403	0.52	0.11	0.52	0.13	0.24	–	0.40	-0.19	0.40	-0.19	-0.17
31165290	HL	MC	23,858	0.70	0.06	0.70	0.12	0.12	–	0.45	-0.21	0.45	-0.25	-0.22
31165320	OP	MC	1,153	0.46	0.44	0.46	0.05	0.05	–	0.38	-0.28	0.38	-0.08	-0.14
31165430	HL	MC	23,858	0.31	0.35	0.31	0.12	0.21	–	0.44	-0.23	0.44	-0.07	-0.17
31165550	OP	MC	114	0.49	0.49	0.24	0.22	0.05	–	0.49	0.49	-0.25	-0.24	-0.18
31165560	OP	MC	782	0.53	0.53	0.19	0.10	0.19	–	0.36	0.36	-0.14	-0.02	-0.30
31165590	OP	MC	1,407	0.46	0.46	0.20	0.25	0.08	–	0.39	0.39	-0.13	-0.24	-0.14

Mathematics Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31165660	OP	MC	28	0.61	0.14	0.61	0.11	0.14	–	0.49	-0.57	0.49	-0.02	-0.10
31165700	OP	MC	346	0.51	0.13	0.51	0.17	0.19	–	0.42	-0.13	0.42	-0.16	-0.27
31165730	OP	MC	196	0.39	0.39	0.23	0.12	0.26	–	0.35	0.35	-0.21	-0.01	-0.19
31165760	OP	MC	441	0.55	0.55	0.14	0.19	0.13	–	0.36	0.36	-0.12	-0.23	-0.15
31165820	OP	MC	46	0.52	0.17	0.52	0.11	0.20	–	0.27	-0.31	0.27	-0.09	0.02
31165830	OP	MC	5	0.60	0.60	0.20	0.20	–	–	0.98	0.98	-0.63	-0.57	–
31165840	HL	MC	23,858	0.72	0.14	0.72	0.05	0.09	–	0.43	-0.18	0.43	-0.22	-0.28
31165950	OP	MC	152	0.46	0.24	0.46	0.16	0.14	–	0.54	-0.35	0.54	-0.23	-0.11
31166010	VL	MC	1,000	0.35	0.30	0.35	0.24	0.11	–	0.16	-0.13	0.16	-0.01	-0.04
31166070	OP	MC	1,295	0.41	0.41	0.32	0.11	0.16	–	0.36	0.36	-0.20	-0.09	-0.15
31166100	OP	MC	36	0.42	0.25	0.42	0.25	0.08	–	0.36	-0.29	0.36	-0.10	-0.01
31166240	OP	MC	298	0.66	0.66	0.05	0.07	0.21	–	0.38	0.38	-0.06	-0.22	-0.27
31166250	HL	MC	23,858	0.77	0.03	0.77	0.13	0.06	–	0.40	-0.15	0.40	-0.29	-0.18
31166270	OP	MC	1,068	0.51	0.24	0.51	0.10	0.15	–	0.41	-0.25	0.41	-0.10	-0.19
31166290	OP	MC	544	0.49	0.13	0.49	0.11	0.28	–	0.39	-0.21	0.39	-0.16	-0.17
31166310	OP	MC	626	0.56	0.56	0.16	0.11	0.17	–	0.43	0.43	-0.25	-0.21	-0.14
31166380	OP	MC	1,337	0.54	0.54	0.17	0.15	0.14	–	0.39	0.39	-0.22	-0.11	-0.22
31166470	OP	MC	586	0.55	0.55	0.20	0.11	0.14	–	0.42	0.42	-0.26	-0.15	-0.17
31166540	OP	MC	31	0.45	0.45	0.32	0.13	0.10	–	0.55	0.55	-0.39	-0.03	-0.27
31166590	HL	MC	23,858	0.40	0.06	0.40	0.05	0.49	–	0.53	-0.13	0.53	-0.05	-0.43
31166600	HL	MC	23,858	0.22	0.22	0.04	0.65	0.08	–	0.55	0.55	-0.01	-0.42	-0.10
31166650	OP	MC	90	0.42	0.27	0.42	0.14	0.17	–	0.40	-0.16	0.40	-0.17	-0.19
31166660	OP	MC	161	0.37	0.21	0.37	0.29	0.14	–	0.44	-0.30	0.44	-0.09	-0.15
31168650	HL	MC	23,858	0.44	0.36	0.44	0.08	0.12	–	0.31	-0.11	0.31	-0.13	-0.19
31169710	HL	MC	23,858	0.51	0.32	0.51	0.10	0.08	–	0.37	-0.16	0.37	-0.16	-0.23
31175880	VL	MC	1,250	0.50	0.12	0.08	0.50	0.31	–	0.20	-0.21	-0.20	0.20	0.04
31176140	VL	MC	1,000	0.32	0.15	0.15	0.32	0.38	–	0.23	-0.10	-0.09	0.23	-0.08
31177310	OP	MC	329	0.52	0.17	0.10	0.20	0.52	–	0.38	-0.21	-0.21	-0.11	0.38
31177450	OP	MC	1,710	0.39	0.21	0.37	0.03	0.39	–	0.36	-0.18	-0.19	-0.07	0.36
31177480	OP	MC	1,938	0.45	0.22	0.15	0.45	0.18	–	0.33	-0.26	-0.07	0.33	-0.09
31177500	OP	MC	641	0.46	0.24	0.10	0.46	0.20	–	0.36	-0.20	-0.12	0.36	-0.14
31177520	OP	MC	173	0.43	0.13	0.31	0.43	0.12	–	0.38	-0.20	-0.12	0.38	-0.20
31177590	OP	MC	1,292	0.43	0.34	0.12	0.11	0.43	–	0.40	-0.23	-0.16	-0.12	0.40

Mathematics Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31177620	OP	MC	56	0.48	0.32	0.11	0.09	0.48	–	0.55	-0.41	-0.19	-0.08	0.55
31177680	OP	MC	186	0.34	0.32	0.20	0.34	0.14	–	0.45	-0.22	-0.13	0.45	-0.17
31177730	OP	MC	48	0.48	0.19	0.25	0.48	0.08	–	0.52	-0.12	-0.49	0.52	–
31177870	OP	MC	725	0.67	0.03	0.15	0.67	0.15	–	0.30	-0.14	-0.17	0.30	-0.16
31177880	OP	MC	670	0.54	0.07	0.17	0.54	0.22	–	0.27	-0.05	-0.16	0.27	-0.15
31177900	OP	MC	65	0.38	0.18	0.32	0.11	0.38	–	0.38	-0.26	-0.20	0.02	0.38
31177920	OP	MC	1,642	0.55	0.12	0.09	0.25	0.55	–	0.42	-0.19	-0.22	-0.19	0.42
31177970	OP	MC	400	0.52	0.15	0.18	0.52	0.14	–	0.39	-0.13	-0.21	0.39	-0.20
31177980	OP	MC	368	0.29	0.31	0.21	0.20	0.29	–	0.41	-0.24	-0.03	-0.15	0.41
31178000	OP	MC	168	0.44	0.17	0.37	0.02	0.44	–	0.51	-0.24	-0.32	-0.09	0.51
31178050	OP	MC	2,787	0.49	0.21	0.18	0.49	0.13	–	0.38	-0.17	-0.21	0.38	-0.14
31178060	OP	MC	293	0.31	0.13	0.24	0.31	0.32	–	0.31	-0.06	-0.24	0.31	-0.05
31178070	OP	MC	2,290	0.42	0.21	0.32	0.42	0.05	–	0.36	-0.20	-0.18	0.36	-0.07
31178090	OP	MC	28	0.43	0.07	0.14	0.36	0.43	–	0.52	-0.11	-0.05	-0.44	0.52
31178110	OP	MC	2,239	0.48	0.20	0.30	0.48	0.03	–	0.45	-0.24	-0.26	0.45	-0.07
31178120	OP	MC	5,837	0.48	0.12	0.28	0.12	0.48	–	0.33	-0.16	-0.18	-0.10	0.33
31178130	OP	MC	45	0.40	0.18	0.11	0.40	0.31	–	0.54	-0.22	-0.05	0.54	-0.36
31178140	OP	MC	406	0.55	0.19	0.17	0.55	0.09	–	0.46	-0.22	-0.23	0.46	-0.20
31178180	OP	MC	5	0.60	–	–	0.40	0.60	–	0.73	–	–	-0.73	0.73
31178220	OP	MC	660	0.37	0.20	0.23	0.37	0.21	–	0.40	-0.07	-0.19	0.40	-0.21
31178240	OP	MC	632	0.44	0.30	0.16	0.44	0.10	–	0.41	-0.21	-0.18	0.41	-0.14
31178250	OP	MC	8,121	0.50	0.03	0.41	0.06	0.50	–	0.39	-0.12	-0.29	-0.13	0.39
31178290	OP	MC	629	0.48	0.17	0.20	0.48	0.15	–	0.34	-0.13	-0.21	0.34	-0.09
31178300	OP	MC	1,319	0.41	0.21	0.18	0.21	0.41	–	0.36	-0.20	-0.10	-0.14	0.36
31178340	OP	MC	1,166	0.51	0.28	0.08	0.13	0.51	–	0.37	-0.17	-0.18	-0.19	0.37
31178350	OP	MC	895	0.63	0.18	0.12	0.63	0.06	–	0.31	-0.17	-0.12	0.31	-0.18
31178360	OP	MC	443	0.48	0.08	0.19	0.48	0.25	–	0.34	-0.15	-0.17	0.34	-0.14
31178370	OP	MC	793	0.60	0.04	0.16	0.60	0.20	–	0.33	-0.13	-0.21	0.33	-0.15
31178410	OP	MC	440	0.58	0.15	0.24	0.58	0.03	–	0.37	-0.19	-0.22	0.37	-0.13
31178420	OP	MC	220	0.35	0.21	0.22	0.35	0.22	–	0.39	-0.05	-0.24	0.39	-0.15
31178470	OP	MC	2,219	0.47	0.16	0.28	0.09	0.47	–	0.43	-0.17	-0.25	-0.15	0.43
31178510	OP	MC	535	0.57	0.16	0.12	0.57	0.15	–	0.41	-0.20	-0.18	0.41	-0.21
31178520	OP	MC	42	0.48	0.12	0.26	0.48	0.14	–	0.35	-0.06	-0.18	0.35	-0.21

Mathematics Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31178540	OP	MC	417	0.39	0.24	0.17	0.20	0.39	–	0.48	-0.24	-0.18	-0.16	0.48
31178550	OP	MC	13,692	0.53	0.10	0.26	0.53	0.11	–	0.31	-0.10	-0.15	0.31	-0.20
31178600	HL	MC	23,858	0.66	0.09	0.09	0.16	0.66	–	0.39	-0.13	-0.16	-0.28	0.39
31178610	OP	MC	227	0.36	0.18	0.20	0.36	0.26	–	0.35	-0.13	–	0.35	-0.27
31178640	OP	MC	178	0.49	0.22	0.22	0.49	0.07	–	0.37	-0.19	-0.25	0.37	–
31178660	OP	MC	884	0.61	0.10	0.09	0.20	0.61	–	0.39	-0.18	-0.13	-0.25	0.39
31178680	OP	MC	261	0.49	0.18	0.07	0.26	0.49	–	0.39	-0.08	-0.21	-0.25	0.39
31178690	OP	MC	338	0.75	0.09	0.14	0.75	0.03	–	0.20	-0.07	-0.14	0.20	-0.12
31178700	OP	MC	322	0.50	0.05	0.37	0.07	0.50	–	0.39	-0.19	-0.25	-0.13	0.39
31178750	OP	MC	279	0.49	0.27	0.10	0.49	0.14	–	0.40	-0.15	-0.24	0.40	-0.18
31178780	OP	MC	1,032	0.51	0.19	0.11	0.19	0.51	–	0.36	-0.18	-0.15	-0.16	0.36
31178790	OP	MC	1,634	0.32	0.38	0.13	0.32	0.17	–	0.30	-0.12	-0.09	0.30	-0.13
31178810	OP	MC	1,409	0.40	0.08	0.08	0.43	0.40	–	0.39	-0.11	-0.13	-0.25	0.39
31178840	OP	MC	338	0.61	0.20	0.14	0.06	0.61	–	0.38	-0.29	-0.17	-0.06	0.38
31178850	OP	MC	1,656	0.44	0.20	0.15	0.22	0.44	–	0.34	-0.21	-0.08	-0.13	0.34
31178860	OP	MC	158	0.31	0.34	0.04	0.31	0.31	–	0.37	-0.12	-0.14	-0.19	0.37
31178900	OP	MC	5,488	0.55	0.37	0.01	0.07	0.55	–	0.30	-0.24	-0.05	-0.11	0.30
31178940	OP	MC	845	0.47	0.13	0.25	0.47	0.14	–	0.36	-0.09	-0.23	0.36	-0.14
31178950	OP	MC	188	0.46	0.28	0.13	0.13	0.46	–	0.13	-0.01	-0.07	-0.11	0.13
31178970	OP	MC	724	0.48	0.14	0.14	0.48	0.24	–	0.42	-0.15	-0.17	0.42	-0.24
31178990	OP	MC	6,772	0.50	0.12	0.18	0.50	0.21	–	0.38	-0.14	-0.17	0.38	-0.19
31179020	OP	MC	13,794	0.55	0.15	0.15	0.15	0.55	–	0.45	-0.25	-0.18	-0.20	0.45
31179050	OP	MC	3,082	0.50	0.16	0.25	0.50	0.09	–	0.40	-0.19	-0.18	0.40	-0.19
31179080	OP	MC	11,040	0.53	0.04	0.08	0.35	0.53	–	0.39	-0.14	-0.17	-0.25	0.39
31179110	OP	MC	1,817	0.46	0.23	0.14	0.46	0.17	–	0.37	-0.17	-0.17	0.37	-0.15
31179120	OP	MC	177	0.49	0.22	0.14	0.49	0.15	–	0.57	-0.26	-0.26	0.57	-0.25
31179130	OP	MC	326	0.48	0.20	0.13	0.48	0.20	–	0.46	-0.18	-0.24	0.46	-0.19
31179150	OP	MC	1,336	0.41	0.16	0.30	0.41	0.13	–	0.37	-0.15	-0.18	0.37	-0.13
31179170	OP	MC	1,212	0.40	0.24	0.21	0.14	0.40	–	0.40	-0.22	-0.16	-0.09	0.40
31179180	OP	MC	707	0.38	0.19	0.31	0.12	0.38	–	0.40	-0.22	-0.16	-0.11	0.40
31179210	OP	MC	562	0.54	0.04	0.17	0.25	0.54	–	0.32	-0.19	-0.18	-0.13	0.32
31179250	HL	MC	23,858	0.80	0.07	0.07	0.06	0.80	–	0.51	-0.33	-0.26	-0.22	0.51
31179260	OP	MC	214	0.43	0.16	0.23	0.17	0.43	–	0.25	-0.16	0.05	-0.22	0.25

Mathematics Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31179270	OP	MC	666	0.49	0.14	0.17	0.20	0.49	–	0.39	-0.14	-0.18	-0.19	0.39
31179290	OP	MC	590	0.48	0.28	0.21	0.48	0.03	–	0.35	-0.19	-0.15	0.35	-0.14
31193800	VL	MC	1,250	0.21	0.12	0.62	0.21	0.05	–	0.37	-0.16	-0.13	0.37	-0.15
31194540	HL	MC	23,858	0.31	0.33	0.19	0.31	0.18	–	0.27	0.01	-0.11	0.27	-0.22
31194710	OP	MC	4,007	0.43	0.22	0.22	0.43	0.13	–	0.39	-0.25	-0.11	0.39	-0.13
31194730	OP	MC	1,227	0.56	0.11	0.30	0.03	0.56	–	0.43	-0.17	-0.31	-0.11	0.43
31194870	OP	MC	2,630	0.51	0.29	0.13	0.51	0.07	–	0.45	-0.31	-0.19	0.45	-0.09
31194890	OP	MC	169	0.47	0.11	0.32	0.47	0.10	–	0.33	-0.17	-0.14	0.33	-0.16
31194940	HL	MC	23,858	0.38	0.45	0.13	0.38	0.04	–	0.39	-0.24	-0.09	0.39	-0.20
31195310	OP	MC	429	0.53	0.08	0.11	0.28	0.53	–	0.35	-0.15	-0.14	-0.20	0.35
31195320	OP	MC	11,344	0.64	0.04	0.64	0.07	0.25	–	0.29	-0.14	0.29	-0.14	-0.17
31195390	OP	MC	593	0.41	0.41	0.30	0.11	0.18	–	0.45	0.45	-0.28	-0.11	-0.15
31195480	HL	MC	23,858	0.72	0.02	0.20	0.06	0.72	–	0.43	-0.16	-0.32	-0.17	0.43
31195490	VL	MC	1,250	0.42	0.42	0.05	0.18	0.35	–	0.42	0.42	-0.14	-0.13	-0.27
31195500	VL	MC	1,250	0.29	0.35	0.22	0.15	0.29	–	0.26	-0.04	-0.13	-0.13	0.26
31195510	HL	MC	23,858	0.88	0.04	0.04	0.88	0.05	–	0.37	-0.18	-0.22	0.37	-0.20
31195550	VL	MC	1,000	0.38	0.11	0.16	0.36	0.38	–	0.31	-0.25	-0.22	0.02	0.31
31195580	HL	MC	23,858	0.98	0.98	0.01	0.01	0.01	–	0.22	0.22	-0.11	-0.11	-0.16
31195610	OP	MC	4,453	0.47	0.26	0.47	0.13	0.14	–	0.41	-0.17	0.41	-0.23	-0.15
31195640	OP	MC	777	0.52	0.52	0.16	0.10	0.22	–	0.48	0.48	-0.22	-0.19	-0.24
31195670	OP	MC	16,451	0.78	0.78	0.06	0.06	0.11	–	0.36	0.36	-0.19	-0.15	-0.23
31195690	OP	MC	394	0.39	0.13	0.39	0.09	0.38	–	0.39	0.03	0.39	-0.15	-0.32
31195770	OP	MC	426	0.52	0.52	0.30	0.08	0.11	–	0.40	0.40	-0.28	-0.06	-0.18
31195780	VL	MC	1,000	0.20	0.36	0.20	0.24	0.20	–	0.12	-0.02	-0.07	-0.03	0.12
31195830	OP	MC	426	0.75	0.08	0.08	0.09	0.75	–	0.37	-0.12	-0.31	-0.15	0.37
31195860	OP	MC	119	0.51	0.29	0.51	0.18	0.02	–	0.35	-0.32	0.35	-0.08	0.01
31195870	OP	MC	2,087	0.50	0.50	0.22	0.17	0.11	–	0.34	0.34	-0.17	-0.15	-0.15
31195890	OP	MC	338	0.54	0.29	0.09	0.08	0.54	–	0.35	-0.23	-0.09	-0.16	0.35
31195910	OP	MC	15,022	0.71	0.10	0.71	0.05	0.15	–	0.43	-0.27	0.43	-0.13	-0.25
31195920	OP	MC	14,814	0.66	0.08	0.66	0.15	0.12	–	0.45	-0.20	0.45	-0.23	-0.24
31195990	OP	MC	23,858	0.85	0.07	0.85	0.03	0.06	–	0.27	-0.17	0.27	-0.11	-0.15
31196000	OP	MC	6,059	0.50	0.16	0.22	0.50	0.12	–	0.32	-0.13	-0.14	0.32	-0.17
31196020	OP	MC	190	0.52	0.07	0.22	0.52	0.20	–	0.35	-0.21	-0.18	0.35	-0.12

Mathematics Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31196040	OP	MC	265	0.53	0.53	0.09	0.34	0.03	–	0.38	0.38	-0.30	-0.17	-0.12
31196090	VL	MC	1,250	0.54	0.20	0.15	0.54	0.11	–	0.37	-0.13	-0.23	0.37	-0.16
31196110	OP	MC	199	0.42	0.33	0.42	0.12	0.14	–	0.36	-0.15	0.36	-0.16	-0.16
31196170	OP	MC	2,747	0.57	0.57	0.18	0.17	0.07	–	0.29	0.29	-0.15	-0.13	-0.14
31196190	OP	MC	1,722	0.47	0.15	0.19	0.47	0.20	–	0.37	-0.15	-0.09	0.37	-0.23
31196210	OP	MC	9,286	0.53	0.44	0.01	0.53	0.02	–	0.40	-0.39	-0.05	0.40	-0.03
31196220	OP	MC	981	0.30	0.31	0.21	0.17	0.30	–	0.25	-0.11	-0.10	-0.06	0.25
31196240	OP	MC	2,552	0.49	0.10	0.49	0.14	0.27	–	0.35	-0.11	0.35	-0.14	-0.21
31196250	HL	MC	23,858	0.75	0.06	0.09	0.75	0.10	–	0.51	-0.21	-0.33	0.51	-0.25
31196280	VL	MC	1,000	0.51	0.29	0.51	0.12	0.08	–	0.33	-0.05	0.33	-0.24	-0.25
31196300	OP	MC	601	0.59	0.59	0.23	0.07	0.11	–	0.42	0.42	-0.28	-0.07	-0.23
31196310	OP	MC	1,023	0.64	0.13	0.15	0.64	0.08	–	0.37	-0.28	-0.12	0.37	-0.16
31196320	HL	MC	23,858	0.73	0.19	0.73	0.03	0.04	–	0.56	-0.43	0.56	-0.21	-0.21
31196330	OP	MC	2,365	0.56	0.16	0.18	0.56	0.11	–	0.36	-0.16	-0.17	0.36	-0.17
31196340	OP	MC	1,733	0.57	0.26	0.04	0.14	0.57	–	0.38	-0.25	-0.11	-0.16	0.38
31196360	OP	MC	5,582	0.62	0.07	0.24	0.62	0.07	–	0.32	-0.10	-0.22	0.32	-0.14
31196420	OP	MC	1,580	0.60	0.23	0.12	0.05	0.60	–	0.38	-0.23	-0.18	-0.15	0.38
31196430	OP	MC	13,438	0.69	0.11	0.69	0.11	0.09	–	0.39	-0.16	0.39	-0.21	-0.23
31196440	OP	MC	4,323	0.69	0.10	0.11	0.69	0.10	–	0.28	-0.15	-0.17	0.28	-0.10
31196450	OP	MC	396	0.47	0.43	0.04	0.06	0.47	–	0.31	-0.22	-0.06	-0.16	0.31
31196470	OP	MC	1,797	0.36	0.36	0.28	0.10	0.25	–	0.36	0.36	-0.21	-0.06	-0.15
31196490	OP	MC	374	0.53	0.53	0.16	0.13	0.18	–	0.36	0.36	-0.27	-0.13	-0.10
31196580	OP	MC	652	0.52	0.52	0.19	0.12	0.17	–	0.37	0.37	-0.21	-0.12	-0.18
31196590	OP	MC	3,497	0.48	0.23	0.23	0.48	0.07	–	0.40	-0.24	-0.19	0.40	-0.08
31196600	OP	MC	2,180	0.43	0.36	0.43	0.10	0.12	–	0.36	-0.21	0.36	-0.14	-0.11
31196610	OP	MC	691	0.40	0.19	0.19	0.40	0.22	–	0.33	-0.08	-0.20	0.33	-0.14
31196650	OP	MC	737	0.45	0.45	0.16	0.15	0.25	–	0.38	0.38	-0.15	-0.10	-0.22
31196690	OP	MC	23	0.48	0.48	0.04	0.22	0.26	–	0.44	0.44	0.03	-0.11	-0.41
31231500	OP	MC	622	0.50	0.03	0.09	0.37	0.50	–	0.38	-0.09	-0.17	-0.26	0.38
31231720	VL	MC	1,000	0.26	0.18	0.26	0.25	0.31	–	0.19	-0.16	0.19	0.16	-0.20
31232540	OP	MC	2,738	0.53	0.23	0.14	0.53	0.11	–	0.39	-0.18	-0.18	0.39	-0.18
31232550	OP	MC	705	0.61	0.17	0.18	0.61	0.04	–	0.33	-0.18	-0.19	0.33	-0.11
31232560	OP	MC	643	0.37	0.23	0.23	0.37	0.17	–	0.48	-0.21	-0.21	0.48	-0.14

Mathematics Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31232570	OP	MC	675	0.54	0.09	0.17	0.20	0.54	–	0.35	-0.05	-0.27	-0.15	0.35
31232580	OP	MC	873	0.56	0.04	0.04	0.36	0.56	–	0.35	-0.13	-0.14	-0.24	0.35
31232670	OP	MC	1,818	0.53	0.24	0.22	0.53	–	–	0.33	-0.28	-0.11	0.33	-0.03
31232680	OP	MC	714	0.25	0.21	0.43	0.25	0.11	–	0.37	-0.11	-0.16	0.37	-0.11
31233330	OP	MC	195	0.52	0.52	0.09	0.24	0.15	–	0.40	0.40	-0.15	-0.22	-0.18
31233340	OP	MC	380	0.45	0.33	0.45	0.10	0.13	–	0.27	-0.08	0.27	-0.16	-0.15
31233350	OP	MC	721	0.51	0.51	0.11	0.14	0.24	–	0.34	0.34	-0.15	-0.15	-0.17
31155410	FT	MC	1,264	0.75	0.03	0.12	0.10	0.75	–	0.38	-0.23	-0.27	-0.12	0.38
31155440	FT	MC	1,042	0.81	0.81	0.08	0.07	0.05	–	0.39	0.39	-0.21	-0.21	-0.21
31155460	FT	MC	1,062	0.81	0.11	0.06	0.81	0.02	–	0.41	-0.24	-0.28	0.41	-0.15
31155480	FT	MC	1,039	0.56	0.14	0.16	0.13	0.56	–	0.33	-0.19	-0.14	-0.13	0.33
31155520	FT	MC	1,025	0.11	0.28	0.55	0.05	0.11	–	0.30	-0.23	0.04	-0.04	0.30
31155530	FT	MC	1,031	0.35	0.08	0.35	0.36	0.21	–	0.51	-0.05	0.51	-0.32	-0.18
31155550	FT	MC	1,044	0.14	0.59	0.17	0.14	0.11	–	0.17	-0.33	0.14	0.17	0.17
31155560	FT	MC	1,046	0.63	0.09	0.16	0.63	0.11	–	0.33	-0.07	-0.17	0.33	-0.23
31155570	FT	MC	1,061	0.60	0.12	0.17	0.60	0.11	–	0.40	-0.21	-0.18	0.40	-0.20
31155580	FT	MC	1,032	0.86	0.05	0.07	0.86	0.02	–	0.30	-0.20	-0.16	0.30	-0.13
31155610	FT	MC	1,244	0.73	0.05	0.11	0.73	0.11	–	0.40	-0.26	-0.23	0.40	-0.17
31155630	FT	MC	1,100	0.61	0.11	0.61	0.20	0.08	–	0.52	-0.13	0.52	-0.45	-0.12
31155700	FT	MC	1,092	0.58	0.08	0.13	0.21	0.58	–	0.31	-0.21	-0.15	-0.12	0.31
31155720	FT	MC	1,020	0.86	0.05	0.04	0.04	0.86	–	0.38	-0.27	-0.24	-0.11	0.38
31155760	FT	MC	1,068	0.30	0.27	0.30	0.16	0.27	–	-0.02	0.12	-0.02	0.02	-0.12
31155780	FT	MC	1,073	0.65	0.21	0.04	0.65	0.10	–	0.51	-0.31	-0.24	0.51	-0.22
31155810	FT	MC	1,047	0.55	0.26	0.55	0.06	0.13	–	0.31	-0.29	0.31	-0.13	0.01
31155850	FT	MC	1,041	0.75	0.07	0.75	0.15	0.03	–	0.42	-0.15	0.42	-0.30	-0.23
31155860	FT	MC	1,063	0.92	0.04	0.02	0.92	0.03	–	0.36	-0.22	-0.15	0.36	-0.22
31155880	FT	MC	1,036	0.46	0.46	0.37	0.08	0.09	–	0.25	0.25	-0.08	-0.23	-0.07
31155900	FT	MC	1,051	0.71	0.06	0.09	0.14	0.71	–	-0.04	-0.03	0.04	0.04	-0.04
31155960	FT	MC	1,029	0.71	0.09	0.05	0.15	0.71	–	0.42	-0.26	-0.21	-0.20	0.42
31155970	FT	MC	1,050	0.89	0.89	0.04	0.02	0.05	–	0.36	0.36	-0.23	-0.07	-0.26
31156010	FT	MC	1,029	0.55	0.22	0.14	0.10	0.55	–	0.47	-0.27	-0.20	-0.18	0.47
31156030	FT	MC	1,041	0.50	0.22	0.50	0.14	0.14	–	0.36	-0.18	0.36	-0.12	-0.17
31156080	FT	MC	1,037	0.70	0.14	0.70	0.08	0.08	–	0.40	-0.22	0.40	-0.23	-0.16

Mathematics Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31156170	FT	MC	1,031	0.70	0.19	0.06	0.04	0.70	–	0.44	-0.29	-0.19	-0.22	0.44
31156210	FT	MC	1,026	0.76	0.13	0.76	0.07	0.05	–	0.41	-0.20	0.41	-0.21	-0.26
31156220	FT	MC	1,055	0.41	0.32	0.41	0.13	0.14	–	0.44	-0.20	0.44	-0.18	-0.19
31156250	FT	MC	1,062	0.70	0.08	0.10	0.12	0.70	–	0.39	-0.31	-0.21	-0.10	0.39
31156310	FT	MC	1,041	0.55	0.19	0.15	0.55	0.12	–	0.47	-0.22	-0.33	0.47	-0.10
31156330	FT	MC	1,024	0.84	0.84	0.06	0.05	0.05	–	0.42	0.42	-0.20	-0.22	-0.28
31156370	FT	MC	1,062	0.81	0.08	0.81	0.09	0.03	–	0.40	-0.21	0.40	-0.27	-0.16
31213680	FT	MC	1,073	0.23	0.14	0.23	0.37	0.26	–	0.04	-0.24	0.04	0.16	-0.02
31213950	FT	MC	1,041	0.80	0.80	0.06	0.14	0.01	–	0.26	0.26	-0.15	-0.19	-0.03
31214530	FT	MC	1,025	0.74	0.12	0.05	0.09	0.74	–	0.51	-0.31	-0.16	-0.31	0.51
31214630	FT	MC	1,035	0.26	0.08	0.41	0.26	0.25	–	0.15	-0.13	0.10	0.15	-0.18
31215020	FT	MC	1,060	0.73	0.09	0.03	0.16	0.73	–	0.28	-0.07	-0.07	-0.25	0.28
31215320	FT	MC	1,019	0.37	0.10	0.41	0.37	0.12	–	0.29	-0.09	-0.11	0.29	-0.17
31215700	FT	MC	1,021	0.80	0.14	0.80	0.03	0.04	–	0.39	-0.24	0.39	-0.18	-0.25
31215720	FT	MC	1,030	0.25	0.62	0.08	0.06	0.25	–	0.19	0.02	-0.18	-0.19	0.19
31215820	FT	MC	1,043	0.44	0.35	0.13	0.44	0.09	–	0.40	-0.13	-0.26	0.40	-0.18
31216080	FT	MC	1,066	0.48	0.12	0.08	0.32	0.48	–	0.16	-0.25	-0.21	0.12	0.16
31216550	FT	MC	1,081	0.95	0.02	0.95	0.01	0.02	–	0.31	-0.20	0.31	-0.11	-0.21
21096480	OP	Non-MC	23,858	0.62	0.32	0.13	0.55	–	–	0.57	-0.54	-0.05	0.54	–
31155430	OPFT	Non-MC	23,858	0.61	0.22	0.33	0.45	–	–	0.51	-0.40	-0.16	0.48	–
31155680	OPFT	Non-MC	23,858	0.36	0.54	0.20	0.26	–	–	0.57	-0.51	0.07	0.52	–
31156130	OPFT	Non-MC	23,858	0.68	0.16	0.33	0.51	–	–	0.54	-0.42	-0.19	0.49	–
31155420	FT	Non-MC	1,060	0.80	0.20	0.80	–	–	–	0.36	-0.36	0.36	–	–
31155450	FT	Non-MC	1,053	0.82	0.18	0.82	–	–	–	0.38	-0.38	0.38	–	–
31155470	FT	Non-MC	1,052	0.27	0.73	0.27	–	–	–	0.39	-0.39	0.39	–	–
31155500	FT	Non-MC	2,279	0.32	0.45	0.48	0.08	–	–	0.48	-0.41	0.22	0.35	–
31155510	FT	Non-MC	1,048	0.36	0.64	0.36	–	–	–	0.33	-0.33	0.33	–	–
31155540	FT	Non-MC	1,033	0.51	0.49	0.51	–	–	–	0.50	-0.50	0.50	–	–
31155590	FT	Non-MC	2,383	0.69	0.14	0.33	0.53	–	–	0.51	-0.33	-0.30	0.51	–
31155620	FT	Non-MC	1,117	0.73	0.27	0.73	–	–	–	0.52	-0.52	0.52	–	–
31155650	FT	Non-MC	2,265	0.19	0.76	0.11	0.13	–	–	0.54	-0.56	0.31	0.42	–
31155660	FT	Non-MC	1,032	0.37	0.63	0.37	–	–	–	0.53	-0.53	0.53	–	–
31155670	FT	Non-MC	2,317	0.19	0.70	0.23	0.07	–	–	0.38	-0.35	0.21	0.28	–

Mathematics Grade 3														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31155690	FT	Non-MC	1,100	0.59	0.41	0.59	–	–	–	0.54	-0.54	0.54	–	–
31155710	FT	Non-MC	2,259	0.54	0.31	0.31	0.39	–	–	0.60	-0.49	-0.10	0.56	–
31155730	FT	Non-MC	1,091	0.81	0.19	0.81	–	–	–	0.37	-0.37	0.37	–	–
31155740	FT	Non-MC	1,105	0.84	0.16	0.84	–	–	–	0.33	-0.33	0.33	–	–
31155750	FT	Non-MC	2,254	0.36	0.48	0.32	0.20	–	–	0.44	-0.33	-0.01	0.43	–
31155770	FT	Non-MC	1,235	0.36	0.64	0.36	–	–	–	0.50	-0.50	0.50	–	–
31155800	FT	Non-MC	1,053	0.63	0.37	0.63	–	–	–	0.52	-0.52	0.52	–	–
31155820	FT	Non-MC	1,048	0.27	0.73	0.27	–	–	–	0.59	-0.59	0.59	–	–
31155830	FT	Non-MC	2,293	0.40	0.51	0.19	0.31	–	–	0.52	-0.45	-0.01	0.50	–
31155840	FT	Non-MC	1,060	0.71	0.29	0.71	–	–	–	0.42	-0.42	0.42	–	–
31155870	FT	Non-MC	2,278	0.76	0.14	0.22	0.65	–	–	0.44	-0.31	-0.27	0.45	–
31155890	FT	Non-MC	1,054	0.50	0.50	0.50	–	–	–	0.46	-0.46	0.46	–	–
31155910	FT	Non-MC	1,026	0.57	0.43	0.57	–	–	–	0.36	-0.36	0.36	–	–
31155950	FT	Non-MC	1,019	0.32	0.69	0.32	–	–	–	0.42	-0.42	0.42	–	–
31155990	FT	Non-MC	2,329	0.61	0.15	0.48	0.37	–	–	0.38	-0.32	-0.06	0.30	–
31156000	FT	Non-MC	1,231	0.65	0.35	0.65	–	–	–	0.50	-0.50	0.50	–	–
31156050	FT	Non-MC	1,049	0.35	0.65	0.35	–	–	–	0.32	-0.32	0.32	–	–
31156060	FT	Non-MC	1,025	0.54	0.46	0.54	–	–	–	0.45	-0.45	0.45	–	–
31156070	FT	Non-MC	1,042	0.63	0.37	0.63	–	–	–	0.44	-0.44	0.44	–	–
31156100	FT	Non-MC	1,040	0.25	0.75	0.25	–	–	–	0.40	-0.40	0.40	–	–
31156120	FT	Non-MC	1,040	0.38	0.62	0.38	–	–	–	0.53	-0.53	0.53	–	–
31156160	FT	Non-MC	1,038	0.64	0.36	0.64	–	–	–	0.42	-0.42	0.42	–	–
31156180	FT	Non-MC	1,037	0.74	0.26	0.74	–	–	–	0.49	-0.49	0.49	–	–
31156190	FT	Non-MC	2,245	0.64	0.17	0.37	0.46	–	–	0.57	-0.41	-0.23	0.54	–
31156230	FT	Non-MC	2,280	0.54	0.26	0.40	0.34	–	–	0.51	-0.39	-0.11	0.47	–
31156240	FT	Non-MC	1,018	0.70	0.30	0.70	–	–	–	0.40	-0.40	0.40	–	–
31156260	FT	Non-MC	1,033	0.73	0.27	0.73	–	–	–	0.46	-0.46	0.46	–	–
31156300	FT	Non-MC	1,068	0.37	0.63	0.37	–	–	–	0.42	-0.42	0.42	–	–
31156320	FT	Non-MC	1,039	0.75	0.25	0.75	–	–	–	0.44	-0.44	0.44	–	–
31156340	FT	Non-MC	1,030	0.50	0.50	0.50	–	–	–	0.47	-0.47	0.47	–	–
31156380	FT	Non-MC	1,024	0.42	0.58	0.42	–	–	–	0.45	-0.45	0.45	–	–
31215760	FT	Non-MC	2,283	0.35	0.40	0.50	0.10	–	–	0.45	-0.43	0.27	0.26	–

Table F.8. Classical Item-Level Statistics—Mathematics Grade 4

Mathematics Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31163350	VL	MC	1,266	0.6	0.60	0.04	0.26	0.10	–	0.42	0.42	-0.16	-0.22	-0.26
31163440	HL	MC	23,826	0.36	0.30	0.36	0.12	0.22	–	0.37	-0.20	0.37	-0.29	0.01
31163500	OP	MC	968	0.39	0.39	0.22	0.15	0.25	–	0.32	0.32	-0.13	-0.11	-0.15
31163650	OP	MC	2,742	0.49	0.49	0.27	0.16	0.07	–	0.34	0.34	-0.16	-0.20	-0.11
31163780	VL	MC	1,266	0.62	0.62	0.11	0.11	0.16	–	0.55	0.55	-0.20	-0.28	-0.33
31163790	OP	MC	2,680	0.47	0.31	0.47	0.17	0.05	–	0.27	-0.16	0.27	-0.12	-0.08
31164040	OP	MC	211	0.46	0.46	0.32	0.05	0.18	–	0.53	0.53	-0.34	-0.10	-0.22
31164240	OP	MC	29	0.41	0.41	0.28	0.21	0.10	–	0.29	0.29	-0.33	-0.16	0.22
31164300	OP	MC	993	0.48	0.24	0.48	0.06	0.21	–	0.26	-0.11	0.26	-0.14	-0.12
31164380	VL	MC	1,265	0.52	0.52	0.17	0.18	0.14	–	0.32	0.32	-0.11	-0.21	-0.12
31164560	OP	MC	37	0.16	0.19	0.16	0.38	0.27	–	0.54	-0.18	0.54	-0.07	-0.22
31164700	OP	MC	11,446	0.57	0.13	0.57	0.18	0.12	–	0.38	-0.18	0.38	-0.20	-0.15
31164720	VL	MC	1,266	0.72	0.25	0.72	0.02	0.02	–	0.16	-0.09	0.16	-0.12	-0.15
31164840	VL	MC	1,263	0.54	0.03	0.54	0.38	0.04	–	0.46	-0.10	0.46	-0.34	-0.23
31164860	HL	MC	23,826	0.89	0.05	0.89	0.04	0.02	–	0.27	-0.19	0.27	-0.11	-0.15
31164920	OP	MC	23,826	0.83	0.07	0.83	0.05	0.05	–	0.42	-0.25	0.42	-0.18	-0.25
31164970	HL	MC	12,350	0.88	0.88	0.06	0.02	0.04	–	0.43	0.43	-0.29	-0.21	-0.21
31164990	HL	MC	11,476	0.89	0.89	0.06	0.04	0.02	–	0.38	0.38	-0.23	-0.23	-0.17
31165100	HL	MC	23,826	0.69	0.69	0.09	0.14	0.08	–	0.37	0.37	-0.17	-0.14	-0.27
31165140	OP	MC	3,398	0.43	0.17	0.43	0.30	0.10	–	0.36	-0.14	0.36	-0.23	-0.07
31165400	HL	MC	23,826	0.81	0.12	0.81	0.05	0.02	–	0.37	-0.24	0.37	-0.22	-0.14
31165420	OP	MC	905	0.46	0.46	0.19	0.10	0.25	–	0.37	0.37	-0.20	-0.12	-0.16
31165460	OP	MC	418	0.57	0.21	0.57	0.16	0.06	–	0.26	-0.12	0.26	-0.14	-0.10
31165470	OP	MC	1,962	0.48	0.48	0.22	0.16	0.15	–	0.31	0.31	-0.13	-0.14	-0.14
31165480	OP	MC	925	0.43	0.14	0.43	0.14	0.30	–	0.35	-0.11	0.35	-0.15	-0.19
31165650	HL	MC	23,826	0.45	0.10	0.45	0.26	0.19	–	0.49	-0.19	0.49	-0.16	-0.31
31165690	OP	MC	8,328	0.51	0.22	0.51	0.18	0.09	–	0.26	-0.14	0.26	-0.09	-0.14
31165810	OP	MC	3,717	0.41	0.41	0.14	0.20	0.25	–	0.31	0.31	-0.08	-0.10	-0.19
31165840	VL	MC	1,263	0.81	0.10	0.81	0.03	0.06	–	0.34	-0.15	0.34	-0.19	-0.23
31165990	OP	MC	2,152	0.46	0.46	0.12	0.15	0.27	–	0.34	0.34	-0.15	-0.18	-0.13
31166010	HL	MC	11,476	0.65	0.11	0.65	0.09	0.14	–	0.38	-0.27	0.38	-0.19	-0.12
31166220	HL	MC	23,826	0.75	0.75	0.10	0.06	0.09	–	0.46	0.46	-0.26	-0.21	-0.26

Mathematics Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31166250	VL	MC	1,263	0.74	0.05	0.74	0.14	0.07	–	0.41	-0.15	0.41	-0.31	-0.16
31166450	HL	MC	23,826	0.51	0.29	0.51	0.09	0.10	–	0.32	-0.13	0.32	-0.24	-0.09
31166590	VL	MC	1,263	0.55	0.05	0.55	0.04	0.36	–	0.54	-0.11	0.54	-0.06	-0.48
31166600	VL	MC	1,266	0.40	0.40	0.04	0.50	0.06	–	0.62	0.62	0.03	-0.55	-0.15
31168650	VL	MC	1,263	0.56	0.33	0.56	0.06	0.06	–	0.26	-0.15	0.26	-0.10	-0.15
31170260	VL	MC	1,265	0.62	0.62	0.12	0.16	0.10	–	0.35	0.35	-0.20	-0.10	-0.21
31170440	VL	MC	1,263	0.13	0.13	0.26	0.43	0.18	–	0.08	0.08	-0.13	0.07	-0.02
31170540	VL	MC	1,263	0.60	0.60	0.22	0.10	0.08	–	0.47	0.47	-0.36	-0.11	-0.18
31170640	VL	MC	1,265	0.42	0.40	0.42	0.08	0.10	–	0.25	0.01	0.25	-0.18	-0.26
31173160	VL	MC	1,263	0.79	0.09	0.06	0.06	0.79	–	0.42	-0.27	-0.20	-0.20	0.42
31174020	HL	MC	23,826	0.52	0.13	0.16	0.19	0.52	–	0.53	-0.29	-0.23	-0.21	0.53
31174350	OP	MC	2,656	0.36	0.24	0.19	0.36	0.21	–	0.20	-0.09	-0.13	0.20	-0.02
31174460	OP	MC	1,355	0.49	0.15	0.05	0.30	0.49	–	0.31	-0.18	-0.12	-0.15	0.31
31174500	OP	MC	1,727	0.43	0.21	0.23	0.43	0.13	–	0.39	-0.22	-0.16	0.39	-0.10
31174540	OP	MC	840	0.43	0.11	0.39	0.43	0.06	–	0.27	-0.08	-0.20	0.27	-0.04
31174600	VL	MC	1,263	0.56	0.18	0.13	0.13	0.56	–	0.31	0.04	-0.29	-0.20	0.31
31174650	OP	MC	1,886	0.39	0.30	0.15	0.39	0.16	–	0.29	-0.15	-0.12	0.29	-0.08
31174680	OP	MC	3,718	0.54	0.10	0.17	0.19	0.54	–	0.39	-0.25	-0.20	-0.12	0.39
31174870	OP	MC	852	0.43	0.17	0.21	0.43	0.19	–	0.29	-0.15	-0.15	0.29	-0.07
31174910	OP	MC	3,709	0.49	0.39	0.03	0.49	0.09	–	0.34	-0.25	-0.12	0.34	-0.10
31174920	OP	MC	65	0.52	0.26	0.15	0.06	0.52	–	0.19	-0.24	0.13	-0.14	0.19
31174940	OP	MC	19,570	0.69	0.08	0.10	0.14	0.69	–	0.43	-0.27	-0.21	-0.18	0.43
31175000	OP	MC	1,515	0.40	0.35	0.14	0.40	0.12	–	0.36	-0.21	-0.15	0.36	-0.07
31175040	HL	MC	23,826	0.42	0.06	0.22	0.42	0.30	–	0.53	-0.19	-0.31	0.53	-0.19
31175060	OP	MC	2,332	0.30	0.32	0.18	0.20	0.30	–	0.33	-0.20	-0.10	-0.05	0.33
31175150	OP	MC	2,253	0.42	0.27	0.16	0.15	0.42	–	0.30	-0.14	-0.11	-0.13	0.30
31175520	OP	MC	2,207	0.44	0.09	0.04	0.43	0.44	–	0.29	-0.16	-0.03	-0.19	0.29
31175880	HL	MC	12,350	0.65	0.06	0.03	0.65	0.25	–	0.31	-0.15	-0.12	0.31	-0.21
31175890	OP	MC	689	0.39	0.20	0.29	0.12	0.39	–	0.37	-0.14	-0.22	-0.07	0.37
31176010	OP	MC	385	0.62	0.08	0.16	0.62	0.15	–	0.25	-0.08	-0.11	0.25	-0.17
31176130	OP	MC	1,049	0.47	0.25	0.10	0.47	0.18	–	0.32	-0.19	-0.11	0.32	-0.11
31176140	HL	MC	11,476	0.57	0.07	0.13	0.57	0.23	–	0.40	-0.16	-0.14	0.40	-0.26
31176250	OP	MC	19,240	0.75	0.12	0.05	0.08	0.75	–	0.50	-0.36	-0.21	-0.19	0.50

Mathematics Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31176290	OP	MC	1,316	0.41	0.24	0.17	0.18	0.41	–	0.41	-0.21	-0.17	-0.13	0.41
31176360	OP	MC	3,138	0.36	0.26	0.18	0.20	0.36	–	0.28	-0.13	-0.11	-0.09	0.28
31177220	VL	MC	1,263	0.25	0.48	0.17	0.11	0.25	–	0.51	-0.42	-0.03	-0.01	0.51
31178600	VL	MC	1,266	0.69	0.08	0.07	0.16	0.69	–	0.34	-0.10	-0.17	-0.24	0.34
31179250	VL	MC	1,266	0.83	0.03	0.07	0.07	0.83	–	0.43	-0.23	-0.24	-0.24	0.43
31192620	VL	MC	1,265	0.38	0.09	0.10	0.38	0.43	–	0.44	-0.27	-0.28	0.44	-0.10
31193140	VL	MC	1,265	0.68	0.20	0.68	0.06	0.06	–	0.40	-0.26	0.40	-0.21	-0.14
31193760	OP	MC	988	0.49	0.30	0.05	0.15	0.49	–	0.35	-0.27	-0.10	-0.08	0.35
31193790	HL	MC	23,826	0.46	0.09	0.08	0.46	0.38	–	0.54	-0.16	-0.31	0.54	-0.28
31193800	HL	MC	23,826	0.65	0.11	0.22	0.65	0.01	–	0.62	-0.28	-0.46	0.62	-0.12
31193810	OP	MC	3,232	0.34	0.17	0.28	0.21	0.34	–	0.32	-0.16	-0.12	-0.09	0.32
31193820	HL	MC	23,826	0.63	0.07	0.13	0.63	0.17	–	0.48	-0.24	-0.24	0.48	-0.24
31193830	OP	MC	4,808	0.53	0.27	0.53	0.13	0.07	–	0.33	-0.24	0.33	-0.09	-0.10
31193850	OP	MC	73	0.59	0.59	0.19	0.12	0.10	–	0.33	0.33	-0.19	-0.22	-0.05
31193870	OP	MC	191	0.45	0.25	0.45	0.23	0.08	–	0.39	-0.28	0.39	-0.09	-0.12
31193880	OP	MC	3,828	0.33	0.20	0.09	0.38	0.33	–	0.41	-0.05	-0.08	-0.31	0.41
31193900	OP	MC	3,034	0.44	0.25	0.44	0.16	0.14	–	0.23	-0.09	0.23	-0.09	-0.11
31194200	VL	MC	1,263	0.54	0.13	0.21	0.54	0.12	–	0.24	-0.15	-0.08	0.24	-0.12
31194250	VL	MC	1,263	0.40	0.40	0.21	0.24	0.16	–	0.37	0.37	-0.14	-0.15	-0.16
31194270	VL	MC	1,265	0.61	0.11	0.14	0.14	0.61	–	0.44	-0.28	-0.18	-0.18	0.44
31194540	VL	MC	1,266	0.37	0.31	0.17	0.37	0.15	–	0.30	-0.01	-0.15	0.30	-0.25
31194620	OP	MC	6,565	0.56	0.02	0.01	0.42	0.56	–	0.35	-0.09	-0.02	-0.32	0.35
31194740	OP	MC	1,164	0.41	0.25	0.16	0.18	0.41	–	0.32	-0.11	-0.14	-0.15	0.32
31194750	OP	MC	3,906	0.28	0.37	0.28	0.20	0.15	–	0.34	-0.15	0.34	-0.12	-0.08
31194830	OP	MC	1,925	0.45	0.17	0.18	0.21	0.45	–	0.32	-0.15	-0.14	-0.12	0.32
31194940	VL	MC	1,263	0.53	0.32	0.12	0.53	0.04	–	0.54	-0.36	-0.18	0.54	-0.22
31195100	OP	MC	503	0.38	0.18	0.30	0.38	0.13	–	0.36	-0.16	-0.19	0.36	-0.08
31195120	OP	MC	7,547	0.47	0.11	0.47	0.25	0.17	–	0.39	-0.09	0.39	-0.30	-0.10
31195130	OP	MC	5,890	0.66	0.66	0.20	0.10	0.04	–	0.45	0.45	-0.27	-0.25	-0.15
31195460	OP	MC	8,774	0.39	0.26	0.24	0.39	0.11	–	0.32	-0.10	-0.16	0.32	-0.14
31195480	VL	MC	1,263	0.79	0.02	0.13	0.06	0.79	–	0.43	-0.15	-0.33	-0.18	0.43
31195490	HL	MC	12,350	0.64	0.64	0.04	0.14	0.19	–	0.57	0.57	-0.15	-0.28	-0.38
31195500	HL	MC	12,350	0.71	0.12	0.11	0.06	0.71	–	0.46	-0.28	-0.22	-0.20	0.46

Mathematics Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31195520	OP	MC	23,826	0.79	0.06	0.10	0.79	0.06	–	0.43	-0.26	-0.25	0.43	-0.17
31195540	OP	MC	769	0.44	0.31	0.16	0.44	0.08	–	0.45	-0.31	-0.17	0.45	-0.05
31195550	HL	MC	11,476	0.80	0.03	0.05	0.12	0.80	–	0.46	-0.22	-0.26	-0.27	0.46
31195570	HL	MC	23,826	0.80	0.06	0.04	0.80	0.10	–	0.43	-0.20	-0.20	0.43	-0.28
31195620	OP	MC	4,003	0.42	0.20	0.27	0.42	0.11	–	0.45	-0.21	-0.22	0.45	-0.14
31195650	OP	MC	14,352	0.60	0.14	0.06	0.20	0.60	–	0.38	-0.24	-0.12	-0.18	0.38
31195730	HL	MC	23,826	0.80	0.80	0.05	0.03	0.13	–	0.43	0.43	-0.24	-0.20	-0.26
31195760	OP	MC	14,489	0.71	0.07	0.09	0.13	0.71	–	0.40	-0.24	-0.20	-0.19	0.40
31195780	HL	MC	23,826	0.36	0.25	0.13	0.26	0.36	–	0.34	-0.05	-0.13	-0.22	0.34
31195820	OP	MC	22,362	0.54	0.08	0.22	0.17	0.54	–	0.37	-0.19	-0.09	-0.26	0.37
31195850	OP	MC	814	0.35	0.29	0.23	0.13	0.35	–	0.40	-0.18	-0.14	-0.14	0.40
31195880	OP	MC	1,658	0.37	0.29	0.37	0.19	0.15	–	0.40	-0.23	0.40	-0.11	-0.13
31195930	HL	MC	23,826	0.71	0.71	0.13	0.10	0.05	–	0.49	0.49	-0.24	-0.30	-0.22
31196030	OP	MC	1,909	0.39	0.39	0.19	0.16	0.26	–	0.24	0.24	-0.13	-0.10	-0.07
31196050	HL	MC	23,826	0.82	0.82	0.07	0.08	0.02	–	0.39	0.39	-0.28	-0.18	-0.19
31196070	OP	MC	1,464	0.55	0.13	0.55	0.18	0.14	–	0.29	-0.17	0.29	-0.11	-0.13
31196090	HL	MC	12,350	0.65	0.20	0.07	0.65	0.07	–	0.43	-0.17	-0.27	0.43	-0.25
31196100	OP	MC	4,217	0.63	0.04	0.08	0.24	0.63	–	0.34	-0.08	-0.12	-0.27	0.34
31196130	OP	MC	15,060	0.53	0.08	0.18	0.21	0.53	–	0.17	-0.11	-0.04	-0.09	0.17
31196150	OP	MC	4,549	0.35	0.25	0.15	0.35	0.25	–	0.32	-0.05	-0.07	0.32	-0.25
31196160	OP	MC	17,452	0.42	0.11	0.42	0.33	0.13	–	0.41	-0.17	0.41	-0.13	-0.26
31196200	OP	MC	2,131	0.56	0.56	0.15	0.15	0.14	–	0.27	0.27	-0.13	-0.14	-0.11
31196230	OP	MC	10,320	0.48	0.10	0.48	0.04	0.38	–	0.36	-0.22	0.36	-0.12	-0.18
31196280	HL	MC	11,476	0.61	0.28	0.61	0.08	0.03	–	0.42	-0.21	0.42	-0.28	-0.18
31196290	OP	MC	4,513	0.43	0.43	0.21	0.27	0.10	–	0.37	0.37	-0.19	-0.16	-0.13
31231720	HL	MC	23,826	0.40	0.12	0.40	0.29	0.19	–	0.39	-0.23	0.39	0.04	-0.33
31233310	VL	MC	1,265	0.50	0.50	0.42	0.04	0.04	–	0.11	0.11	0.02	-0.16	-0.20
31247910	OP	MC	2,009	0.34	0.18	0.19	0.29	0.34	–	0.37	-0.16	-0.18	-0.09	0.37
31156420	FT	MC	1,158	0.30	0.37	0.20	0.30	0.14	–	0.37	-0.17	-0.20	0.37	-0.02
31156430	FT	MC	1,147	0.41	0.15	0.34	0.41	0.10	–	0.43	-0.38	-0.12	0.43	-0.06
31156450	FT	MC	1,152	0.54	0.06	0.32	0.07	0.54	–	-0.08	-0.01	0.15	-0.12	-0.08
31156480	FT	MC	1,171	0.56	0.05	0.10	0.29	0.56	–	0.55	-0.09	-0.32	-0.34	0.55
31156500	FT	MC	1,186	0.23	0.22	0.21	0.33	0.23	–	0.31	-0.04	-0.19	-0.08	0.31

Mathematics Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31156530	FT	MC	1,149	0.30	0.58	0.30	0.06	0.06	–	0.15	–	0.15	-0.22	-0.07
31156550	FT	MC	1,160	0.89	0.07	0.02	0.89	0.01	–	0.37	-0.28	-0.21	0.37	-0.10
31156580	FT	MC	1,154	0.65	0.05	0.26	0.65	0.04	–	0.55	-0.21	-0.41	0.55	-0.19
31156610	FT	MC	1,400	0.58	0.20	0.11	0.12	0.58	–	0.43	-0.23	-0.24	-0.16	0.43
31156670	FT	MC	1,137	0.51	0.15	0.51	0.21	0.12	–	0.46	-0.10	0.46	-0.29	-0.23
31156690	FT	MC	2,176	0.47	0.22	0.47	0.13	0.18	–	0.27	-0.11	0.27	-0.24	-0.02
31156750	FT	MC	1,967	0.39	0.40	0.10	0.11	0.39	–	0.42	-0.31	-0.14	-0.03	0.42
31156760	FT	MC	1,589	0.79	0.79	0.07	0.11	0.04	–	0.25	0.25	-0.18	-0.09	-0.16
31156790	FT	MC	1,137	0.50	0.50	0.16	0.23	0.12	–	0.50	0.50	-0.27	-0.19	-0.21
31156820	FT	MC	1,144	0.90	0.90	0.05	0.04	0.01	–	0.26	0.26	-0.16	-0.14	-0.15
31156890	FT	MC	1,208	0.87	0.87	0.05	0.04	0.04	–	0.27	0.27	-0.19	-0.09	-0.17
31156900	FT	MC	1,192	0.83	0.04	0.09	0.83	0.05	–	0.41	-0.22	-0.23	0.41	-0.21
31156940	FT	MC	1,141	0.62	0.10	0.13	0.15	0.62	–	0.42	-0.24	-0.22	-0.17	0.42
31156950	FT	MC	1,636	0.59	0.19	0.59	0.08	0.14	–	0.31	-0.11	0.31	-0.16	-0.18
31157000	FT	MC	1,153	0.69	0.09	0.16	0.69	0.06	–	0.54	-0.10	-0.43	0.54	-0.26
31157010	FT	MC	1,159	0.84	0.04	0.05	0.08	0.84	–	0.38	-0.26	-0.23	-0.16	0.38
31157030	FT	MC	1,143	0.69	0.11	0.05	0.15	0.69	–	0.48	-0.30	-0.23	-0.21	0.48
31157050	FT	MC	1,136	0.77	0.05	0.77	0.13	0.05	–	0.28	-0.09	0.28	-0.14	-0.24
31157060	FT	MC	1,159	0.21	0.39	0.27	0.12	0.21	–	0.28	-0.22	0.06	-0.10	0.28
31157070	FT	MC	1,196	0.30	0.22	0.30	0.24	0.23	–	0.13	-0.07	0.13	-0.11	0.03
31157100	FT	MC	1,189	0.71	0.08	0.71	0.13	0.09	–	0.44	-0.17	0.44	-0.29	-0.21
31157170	FT	MC	1,156	0.69	0.05	0.14	0.69	0.12	–	0.49	-0.22	-0.29	0.49	-0.24
31157200	FT	MC	1,146	0.80	0.07	0.05	0.09	0.80	–	0.38	-0.14	-0.23	-0.24	0.38
31157230	FT	MC	1,148	0.55	0.22	0.09	0.55	0.14	–	0.41	-0.22	-0.24	0.41	-0.13
31157270	FT	MC	1,225	0.62	0.17	0.62	0.13	0.07	–	0.48	-0.32	0.48	-0.18	-0.20
31157360	FT	MC	1,159	0.47	0.11	0.47	0.26	0.16	–	0.51	-0.16	0.51	-0.26	-0.26
31216730	FT	MC	1,160	0.55	0.55	0.12	0.12	0.20	–	0.30	0.30	-0.21	-0.15	-0.08
31217090	FT	MC	1,139	0.29	0.41	0.29	0.22	0.08	–	0.42	-0.23	0.42	-0.12	-0.10
31217330	FT	MC	1,142	0.59	0.05	0.10	0.26	0.59	–	0.22	-0.18	-0.08	-0.10	0.22
31217360	FT	MC	1,146	0.73	0.05	0.15	0.73	0.07	–	0.34	-0.18	-0.19	0.34	-0.18
31217820	FT	MC	1,136	0.68	0.68	0.17	0.03	0.11	–	0.25	0.25	-0.21	-0.15	-0.05
31218130	FT	MC	1,278	0.63	0.20	0.15	0.63	0.03	–	0.53	-0.45	-0.17	0.53	-0.10
31218320	FT	MC	2,661	0.86	0.04	0.86	0.07	0.03	–	0.39	-0.19	0.39	-0.26	-0.17

Mathematics Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31218440	FT	MC	3,327	0.32	0.19	0.30	0.18	0.32	–	0.24	0.11	-0.13	-0.25	0.24
31219090	FT	MC	1,496	0.70	0.07	0.16	0.07	0.70	–	0.40	-0.22	-0.23	-0.17	0.40
31219310	FT	MC	1,755	0.66	0.13	0.07	0.66	0.13	–	0.48	-0.26	-0.21	0.48	-0.26
31219340	FT	MC	3,993	0.57	0.04	0.14	0.26	0.57	–	0.58	-0.15	-0.18	-0.46	0.58
31156700	OPFT	Non-MC	23,826	0.42	0.39	0.37	0.24	–	–	0.49	-0.37	-0.04	0.47	–
31157190	OPFT	Non-MC	23,826	0.44	0.36	0.39	0.25	–	–	0.35	-0.25	-0.05	0.34	–
31238470	OP	Non-MC	23,826	0.59	0.24	0.33	0.43	–	–	0.58	-0.39	-0.28	0.61	–
31238480	OP	Non-MC	23,826	0.65	0.20	0.29	0.51	–	–	0.58	-0.43	-0.25	0.57	–
31156400	FT	Non-MC	1,157	0.65	0.35	0.65	–	–	–	0.47	-0.47	0.47	–	–
31156410	FT	Non-MC	1,500	0.66	0.21	0.27	0.52	–	–	0.53	-0.41	-0.20	0.51	–
31156460	FT	Non-MC	1,492	0.28	0.56	0.32	0.12	–	–	0.38	-0.32	0.11	0.32	–
31156470	FT	Non-MC	1,509	0.45	0.36	0.37	0.27	–	–	0.58	-0.51	0.06	0.49	–
31156490	FT	Non-MC	1,358	0.39	0.61	0.39	–	–	–	0.44	-0.44	0.44	–	–
31156510	FT	Non-MC	1,157	0.24	0.76	0.24	–	–	–	0.50	-0.50	0.50	–	–
31156520	FT	Non-MC	1,493	0.29	0.52	0.37	0.11	–	–	0.29	-0.16	-0.06	0.36	–
31156540	FT	Non-MC	1,143	0.41	0.59	0.41	–	–	–	0.44	-0.44	0.44	–	–
31156560	FT	Non-MC	1,144	0.84	0.16	0.84	–	–	–	0.42	-0.42	0.42	–	–
31156570	FT	Non-MC	1,484	0.48	0.34	0.36	0.30	–	–	0.62	-0.50	-0.05	0.57	–
31156590	FT	Non-MC	1,201	0.67	0.33	0.67	–	–	–	0.54	-0.54	0.54	–	–
31156620	FT	Non-MC	1,147	0.50	0.50	0.50	–	–	–	0.41	-0.41	0.41	–	–
31156630	FT	Non-MC	1,159	0.38	0.62	0.38	–	–	–	0.51	-0.51	0.51	–	–
31156660	FT	Non-MC	1,496	0.24	0.58	0.35	0.07	–	–	0.36	-0.33	0.23	0.23	–
31156680	FT	Non-MC	2,364	0.68	0.23	0.19	0.58	–	–	0.54	-0.46	-0.17	0.52	–
31156710	FT	Non-MC	1,143	0.18	0.82	0.18	–	–	–	0.32	-0.32	0.32	–	–
31156730	FT	Non-MC	1,883	0.18	0.67	0.30	0.03	–	–	0.30	-0.26	0.19	0.21	–
31156740	FT	Non-MC	2,032	0.10	0.90	0.10	–	–	–	0.31	-0.31	0.31	–	–
31156770	FT	Non-MC	1,611	0.83	0.17	0.83	–	–	–	0.37	-0.37	0.37	–	–
31156780	FT	Non-MC	2,028	0.35	0.43	0.44	0.13	–	–	0.44	-0.35	0.09	0.39	–
31156810	FT	Non-MC	1,144	0.32	0.68	0.32	–	–	–	0.46	-0.46	0.46	–	–
31156830	FT	Non-MC	2,135	0.65	0.27	0.15	0.58	–	–	0.52	-0.45	-0.13	0.50	–
31156850	FT	Non-MC	1,204	0.27	0.73	0.27	–	–	–	0.44	-0.44	0.44	–	–
31156860	FT	Non-MC	1,195	0.48	0.52	0.48	–	–	–	0.23	-0.23	0.23	–	–
31156910	FT	Non-MC	1,201	0.88	0.12	0.88	–	–	–	0.35	-0.35	0.35	–	–

Mathematics Grade 4														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31156920	FT	Non-MC	1,511	0.62	0.38	0.62	–	–	–	0.51	-0.51	0.51	–	–
31156930	FT	Non-MC	1,860	0.45	0.35	0.39	0.26	–	–	0.51	-0.39	-0.04	0.47	–
31156960	FT	Non-MC	1,485	0.50	0.36	0.29	0.35	–	–	0.61	-0.49	-0.10	0.59	–
31156970	FT	Non-MC	1,162	0.68	0.32	0.68	–	–	–	0.42	-0.42	0.42	–	–
31156980	FT	Non-MC	1,485	0.76	0.15	0.18	0.67	–	–	0.56	-0.40	-0.34	0.58	–
31156990	FT	Non-MC	1,918	0.56	0.21	0.45	0.34	–	–	0.54	-0.35	-0.22	0.53	–
31157020	FT	Non-MC	1,149	0.73	0.28	0.73	–	–	–	0.43	-0.43	0.43	–	–
31157040	FT	Non-MC	1,139	0.32	0.68	0.32	–	–	–	0.47	-0.47	0.47	–	–
31157080	FT	Non-MC	1,172	0.17	0.83	0.17	–	–	–	0.40	-0.40	0.40	–	–
31157090	FT	Non-MC	1,503	0.29	0.55	0.32	0.13	–	–	0.49	-0.40	0.10	0.45	–
31157110	FT	Non-MC	1,585	0.47	0.31	0.43	0.26	–	–	0.49	-0.40	–	0.43	–
31157120	FT	Non-MC	1,488	0.38	0.43	0.38	0.18	–	–	0.50	-0.44	0.14	0.40	–
31157130	FT	Non-MC	1,145	0.28	0.72	0.28	–	–	–	0.40	-0.40	0.40	–	–
31157140	FT	Non-MC	1,149	0.55	0.45	0.55	–	–	–	0.40	-0.40	0.40	–	–
31157150	FT	Non-MC	1,138	0.61	0.39	0.61	–	–	–	0.40	-0.40	0.40	–	–
31157180	FT	Non-MC	1,140	0.18	0.82	0.18	–	–	–	0.29	-0.29	0.29	–	–
31157210	FT	Non-MC	1,489	0.51	0.27	0.44	0.29	–	–	0.59	-0.46	-0.07	0.53	–
31157240	FT	Non-MC	1,192	0.35	0.65	0.35	–	–	–	0.47	-0.47	0.47	–	–
31157280	FT	Non-MC	1,243	0.35	0.65	0.35	–	–	–	0.48	-0.48	0.48	–	–
31157290	FT	Non-MC	1,499	0.36	0.52	0.23	0.25	–	–	0.55	-0.48	0.05	0.50	–
31157310	FT	Non-MC	1,146	0.55	0.45	0.55	–	–	–	0.56	-0.56	0.56	–	–
31157320	FT	Non-MC	1,493	0.33	0.56	0.21	0.23	–	–	0.59	-0.51	0.06	0.55	–
31157340	FT	Non-MC	1,149	0.67	0.33	0.67	–	–	–	0.43	-0.43	0.43	–	–
31157370	FT	Non-MC	1,142	0.28	0.72	0.28	–	–	–	0.58	-0.58	0.58	–	–
31217060	FT	Non-MC	1,142	0.34	0.66	0.34	–	–	–	0.56	-0.56	0.56	–	–
31217880	FT	Non-MC	1,138	0.82	0.18	0.82	–	–	–	0.37	-0.37	0.37	–	–
31218560	FT	Non-MC	1,135	0.59	0.41	0.59	–	–	–	0.52	-0.52	0.52	–	–

Table F.9. Classical Item-Level Statistics—Mathematics Grade 5

Mathematics Grade 5														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31162830	OP	MC	982	0.45	0.45	0.41	0.10	0.04	–	0.33	0.33	-0.23	-0.10	-0.10
31162960	OP	MC	415	0.35	0.35	0.15	0.30	0.20	–	0.35	0.35	-0.06	-0.20	-0.14
31163010	OP	MC	39	0.67	0.23	0.67	0.10	–	–	0.54	-0.38	0.54	-0.32	–
31163240	OP	MC	508	0.41	0.41	0.21	0.17	0.21	–	0.36	0.36	-0.14	-0.12	-0.18
31163270	OP	MC	607	0.28	0.28	0.21	0.22	0.29	–	0.28	0.28	-0.04	-0.08	-0.16
31163280	OP	MC	735	0.48	0.28	0.48	0.16	0.08	–	0.34	-0.13	0.34	-0.17	-0.18
31163300	OP	MC	378	0.35	0.35	0.16	0.20	0.28	–	0.42	0.42	-0.15	-0.15	-0.19
31163310	OP	MC	2,115	0.44	0.31	0.44	0.14	0.11	–	0.35	-0.22	0.35	-0.13	-0.10
31163320	OP	MC	2,536	0.42	0.42	0.25	0.14	0.19	–	0.40	0.40	-0.15	-0.20	-0.16
31163440	VL	MC	1,382	0.47	0.21	0.47	0.13	0.18	–	0.44	-0.20	0.44	-0.30	-0.09
31164380	HL	MC	11,088	0.73	0.73	0.04	0.14	0.08	–	0.34	0.34	-0.19	-0.16	-0.20
31164410	OP	MC	334	0.48	0.48	0.11	0.13	0.28	–	0.32	0.32	-0.10	-0.17	-0.16
31165100	VL	MC	1,382	0.73	0.73	0.08	0.14	0.06	–	0.32	0.32	-0.15	-0.12	-0.26
31165400	VL	MC	1,292	0.85	0.11	0.85	0.03	0.01	–	0.34	-0.23	0.34	-0.21	-0.14
31165650	VL	MC	1,292	0.56	0.11	0.56	0.21	0.12	–	0.47	-0.15	0.47	-0.22	-0.30
31166220	VL	MC	1,382	0.82	0.82	0.07	0.04	0.07	–	0.38	0.38	-0.23	-0.16	-0.23
31166450	VL	MC	1,292	0.58	0.22	0.58	0.08	0.12	–	0.33	-0.13	0.33	-0.24	-0.13
31166510	OP	MC	101	0.34	0.34	0.18	0.18	0.31	–	0.42	0.42	-0.29	-0.18	-0.04
31166570	OP	MC	1,176	0.51	0.34	0.51	0.08	0.08	–	0.33	-0.19	0.33	-0.14	-0.15
31166580	OP	MC	2,079	0.40	0.40	0.09	0.10	0.40	–	0.33	0.33	-0.14	-0.09	-0.19
31166820	OP	MC	137	0.53	0.15	0.53	0.21	0.11	–	0.43	-0.33	0.43	-0.16	-0.11
31167010	OP	MC	364	0.51	0.37	0.51	0.07	0.05	–	0.28	-0.21	0.28	-0.08	-0.07
31167060	OP	MC	368	0.42	0.24	0.42	0.13	0.21	–	0.40	-0.28	0.40	-0.16	-0.05
31167580	VL	MC	1,292	0.55	0.38	0.55	0.03	0.04	–	0.28	-0.15	0.28	-0.13	-0.23
31167610	OP	MC	1,462	0.47	0.25	0.47	0.18	0.09	–	0.31	-0.14	0.31	-0.17	-0.09
31167630	OP	MC	2,338	0.56	0.56	0.35	0.07	0.02	–	0.27	0.27	-0.16	-0.16	-0.09
31167770	OP	MC	89	0.75	0.01	0.75	0.01	0.22	–	0.19	-0.25	0.19	-0.20	-0.09
31168920	HL	MC	22,249	0.72	0.10	0.72	0.08	0.10	–	0.39	-0.21	0.39	-0.20	-0.18
31169670	OP	MC	497	0.45	0.27	0.45	0.15	0.13	–	0.40	-0.12	0.40	-0.20	-0.22
31169730	HL	MC	22,249	0.65	0.65	0.17	0.15	0.03	–	0.35	0.35	-0.23	-0.16	-0.13
31169790	OP	MC	1,473	0.51	0.25	0.51	0.12	0.13	–	0.37	-0.24	0.37	-0.16	-0.09
31169810	OP	MC	167	0.33	0.18	0.33	0.26	0.23	–	0.46	-0.20	0.46	-0.22	-0.11

Mathematics Grade 5														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31169860	OP	MC	2,573	0.39	0.17	0.39	0.13	0.31	–	0.36	-0.13	0.36	-0.13	-0.18
31169910	OP	MC	8,360	0.36	0.36	0.22	0.20	0.22	–	0.24	0.24	-0.11	-0.10	-0.08
31169930	OP	MC	8,530	0.54	0.11	0.54	0.19	0.15	–	0.47	-0.20	0.47	-0.25	-0.20
31170150	OP	MC	46	0.63	0.63	0.33	0.02	0.02	–	0.16	0.16	-0.08	-0.09	-0.19
31170260	HL	MC	11,088	0.78	0.78	0.07	0.10	0.04	–	0.44	0.44	-0.23	-0.26	-0.21
31170290	OP	MC	229	0.48	0.15	0.48	0.23	0.14	–	0.29	-0.12	0.29	-0.13	-0.15
31170340	OP	MC	1,459	0.53	0.08	0.53	0.34	0.05	–	0.33	-0.07	0.33	-0.27	-0.09
31170440	HL	MC	11,105	0.23	0.23	0.16	0.37	0.24	–	0.35	0.35	-0.10	-0.17	-0.06
31170520	OP	MC	102	0.49	0.49	0.19	0.18	0.15	–	0.54	0.54	-0.16	-0.23	-0.34
31170540	HL	MC	11,105	0.66	0.66	0.17	0.10	0.07	–	0.48	0.48	-0.38	-0.15	-0.16
31170560	OP	MC	610	0.66	0.66	0.27	0.04	0.03	–	0.30	0.30	-0.20	-0.15	-0.13
31170570	HL	MC	22,249	0.80	0.01	0.80	0.04	0.15	–	0.33	-0.13	0.33	-0.27	-0.19
31170590	OP	MC	16,188	0.61	0.09	0.61	0.25	0.05	–	0.41	-0.18	0.41	-0.29	-0.11
31170600	HL	MC	22,249	0.58	0.32	0.58	0.05	0.05	–	0.35	-0.22	0.35	-0.16	-0.17
31170640	HL	MC	11,088	0.52	0.36	0.52	0.05	0.06	–	0.40	-0.22	0.40	-0.17	-0.23
31173160	HL	MC	11,105	0.87	0.05	0.04	0.03	0.87	–	0.38	-0.25	-0.19	-0.17	0.38
31173240	VL	MC	1,290	0.77	0.09	0.12	0.02	0.77	–	0.51	-0.24	-0.39	-0.14	0.51
31173300	OP	MC	1,382	0.35	0.11	0.39	0.15	0.35	–	0.37	-0.16	-0.17	-0.13	0.37
31173310	OP	MC	7,031	0.84	0.14	–	0.84	0.01	–	0.23	-0.21	-0.04	0.23	-0.06
31173340	OP	MC	1,423	0.53	0.18	0.20	0.08	0.53	–	0.36	-0.20	-0.18	-0.11	0.36
31173380	OP	MC	1,286	0.44	0.16	0.26	0.44	0.13	–	0.31	-0.19	-0.10	0.31	-0.12
31173400	OP	MC	634	0.37	0.12	0.38	0.37	0.12	–	0.31	-0.17	-0.11	0.31	-0.12
31173620	OP	MC	752	0.45	0.19	0.19	0.45	0.17	–	0.39	-0.20	-0.20	0.39	-0.10
31173630	OP	MC	1,453	0.44	0.16	0.27	0.13	0.44	–	0.39	-0.13	-0.20	-0.16	0.39
31173670	OP	MC	81	0.52	0.35	0.05	0.09	0.52	–	0.36	-0.24	0.01	-0.24	0.36
31173720	OP	MC	13,927	0.69	0.08	0.18	0.69	0.04	–	0.44	-0.14	-0.36	0.44	-0.13
31173890	OP	MC	1,156	0.45	0.11	0.31	0.13	0.45	–	0.39	-0.17	-0.17	-0.20	0.39
31173910	OP	MC	2,364	0.37	0.17	0.13	0.37	0.33	–	0.34	-0.22	-0.14	0.34	-0.08
31173920	HL	MC	22,249	0.60	0.03	0.34	0.60	0.02	–	0.57	-0.15	-0.49	0.57	-0.12
31173970	HL	MC	22,249	0.70	0.01	0.11	0.18	0.70	–	0.43	-0.14	-0.28	-0.25	0.43
31173980	OP	MC	175	0.33	0.32	0.20	0.15	0.33	–	0.41	-0.22	-0.11	-0.13	0.41
31174020	VL	MC	1,382	0.66	0.08	0.13	0.13	0.66	–	0.48	-0.24	-0.24	-0.24	0.48
31174060	OP	MC	10,405	0.59	0.37	0.01	0.59	0.03	–	0.53	-0.51	-0.06	0.53	-0.07

Mathematics Grade 5														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31174150	OP	MC	2,002	0.52	0.13	0.05	0.29	0.52	–	0.40	-0.15	-0.13	-0.26	0.40
31174180	OP	MC	580	0.47	0.22	0.20	0.47	0.11	–	0.36	-0.17	-0.18	0.36	-0.12
31174240	OP	MC	3,168	0.56	0.19	0.17	0.56	0.08	–	0.33	-0.18	-0.18	0.33	-0.10
31174260	OP	MC	1,277	0.44	0.13	0.13	0.44	0.29	–	0.30	-0.16	-0.18	0.30	-0.08
31174590	OP	MC	237	0.34	0.19	0.24	0.34	0.24	–	0.39	-0.14	-0.11	0.39	-0.20
31174600	HL	MC	11,105	0.58	0.30	0.06	0.06	0.58	–	0.36	-0.16	-0.24	-0.20	0.36
31174620	OP	MC	1,925	0.56	0.36	0.06	0.56	0.02	–	0.28	-0.19	-0.13	0.28	-0.13
31174740	OP	MC	99	0.46	0.27	0.18	0.46	0.08	–	0.51	-0.20	-0.37	0.51	-0.09
31174750	OP	MC	1,745	0.45	0.10	0.20	0.45	0.25	–	0.35	-0.16	-0.17	0.35	-0.13
31174840	OP	MC	2,492	0.47	0.23	0.08	0.21	0.47	–	0.49	-0.29	-0.16	-0.18	0.49
31174880	OP	MC	2,528	0.32	0.27	0.29	0.11	0.32	–	0.40	-0.16	-0.18	-0.12	0.40
31174960	OP	MC	3,237	0.51	0.34	0.05	0.10	0.51	–	0.45	-0.34	-0.14	-0.11	0.45
31175040	VL	MC	1,382	0.56	0.05	0.14	0.56	0.25	–	0.55	-0.20	-0.31	0.55	-0.27
31175070	OP	MC	15,894	0.67	0.04	0.27	0.02	0.67	–	0.33	-0.11	-0.27	-0.09	0.33
31175280	HL	MC	22,249	0.73	0.01	0.21	0.73	0.05	–	0.45	-0.13	-0.34	0.45	-0.24
31175310	HL	MC	22,249	0.65	0.11	0.10	0.14	0.65	–	0.34	-0.17	-0.18	-0.17	0.34
31175350	OP	MC	14	0.93	–	0.07	0.93	–	–	-0.28	–	0.28	-0.28	–
31175390	OP	MC	1,597	0.49	0.03	0.08	0.40	0.49	–	0.43	-0.10	-0.14	-0.33	0.43
31175600	OP	MC	400	0.41	0.13	0.24	0.41	0.22	–	0.46	-0.07	-0.22	0.46	-0.26
31175610	OP	MC	1,545	0.50	0.47	0.02	0.50	0.01	–	0.39	-0.37	-0.05	0.39	-0.02
31175650	OP	MC	604	0.44	0.23	0.15	0.17	0.44	–	0.42	-0.17	-0.22	-0.15	0.42
31175730	OP	MC	224	0.44	0.33	0.01	0.44	0.22	–	0.32	-0.29	-0.06	0.32	-0.04
31176600	HL	MC	22,249	0.54	0.10	0.25	0.11	0.54	–	0.55	-0.19	-0.39	-0.16	0.55
31177000	VL	MC	1,292	0.19	0.18	0.17	0.19	0.46	–	0.04	-0.20	-0.18	0.04	0.26
31177220	HL	MC	11,105	0.27	0.23	0.42	0.07	0.27	–	0.50	-0.41	-0.06	-0.07	0.50
31177280	VL	MC	1,290	0.39	0.25	0.27	0.39	0.09	–	0.32	-0.19	-0.10	0.32	-0.10
31177300	VL	MC	1,290	0.38	0.24	0.20	0.38	0.18	–	0.21	-0.06	-0.11	0.21	-0.08
31177440	VL	MC	1,292	0.59	0.03	0.15	0.59	0.23	–	0.24	-0.14	-0.19	0.24	-0.06
31177510	VL	MC	1,290	0.58	0.15	0.12	0.15	0.58	–	0.34	-0.21	-0.10	-0.17	0.34
31177740	VL	MC	1,292	0.20	0.64	0.11	0.05	0.20	–	0.31	-0.21	-0.02	-0.09	0.31
31190020	VL	MC	1,292	0.69	0.07	0.69	0.11	0.14	–	0.51	-0.16	0.51	-0.25	-0.34
31191030	VL	MC	1,290	0.66	0.07	0.66	0.11	0.17	–	0.39	-0.12	0.39	-0.16	-0.28
31191970	OP	MC	2,115	0.38	0.17	0.24	0.22	0.38	–	0.34	-0.17	-0.15	-0.09	0.34

Mathematics Grade 5														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31192000	OP	MC	1,949	0.36	0.15	0.35	0.36	0.14	–	0.37	-0.16	-0.20	0.37	-0.06
31192020	OP	MC	2,162	0.53	0.02	0.28	0.17	0.53	–	0.40	-0.14	-0.29	-0.13	0.40
31192040	OP	MC	1,155	0.46	0.25	0.23	0.46	0.05	–	0.42	-0.23	-0.17	0.42	-0.16
31192050	OP	MC	245	0.46	0.24	0.13	0.46	0.17	–	0.37	-0.09	-0.24	0.37	-0.17
31192060	OP	MC	12,236	0.69	0.12	0.12	0.69	0.08	–	0.42	-0.30	-0.17	0.42	-0.15
31192070	OP	MC	3,400	0.52	0.21	0.12	0.52	0.15	–	0.33	-0.17	-0.14	0.33	-0.14
31192080	OP	MC	6,352	0.56	0.05	0.33	0.05	0.56	–	0.38	-0.12	-0.30	-0.10	0.38
31192090	OP	MC	556	0.74	0.17	0.74	0.05	0.04	–	0.33	-0.19	0.33	-0.18	-0.17
31192110	OP	MC	1,256	0.59	0.21	0.08	0.59	0.12	–	0.26	-0.14	-0.12	0.26	-0.11
31192120	OP	MC	1,013	0.49	0.21	0.17	0.49	0.13	–	0.37	-0.19	-0.15	0.37	-0.15
31192140	OP	MC	1,443	0.35	0.35	0.35	0.27	0.03	–	0.43	0.43	-0.23	-0.18	-0.06
31192150	OP	MC	1,288	0.46	0.46	0.20	0.26	0.08	–	0.35	0.35	-0.10	-0.22	-0.14
31192180	HL	MC	22,249	0.70	0.04	0.12	0.14	0.70	–	0.49	-0.21	-0.23	-0.31	0.49
31192270	OP	MC	1,946	0.43	0.13	0.23	0.22	0.43	–	0.35	-0.16	-0.16	-0.13	0.35
31192300	OP	MC	2,075	0.55	0.12	0.13	0.20	0.55	–	0.27	-0.07	-0.16	-0.15	0.27
31192340	OP	MC	961	0.47	0.47	0.16	0.25	0.11	–	0.34	0.34	-0.12	-0.20	-0.13
31192460	OP	MC	17,470	0.70	0.15	0.06	0.70	0.09	–	0.33	-0.25	-0.16	0.33	-0.09
31192480	OP	MC	1	1.00	1.00	–	–	–	–	–	–	–	–	–
31192530	OP	MC	1,263	0.53	0.13	0.04	0.53	0.29	–	0.41	-0.25	-0.08	0.41	-0.23
31192580	OP	MC	182	0.71	0.08	0.12	0.71	0.10	–	0.32	-0.11	-0.21	0.32	-0.15
31192620	HL	MC	11,088	0.54	0.10	0.09	0.54	0.28	–	0.51	-0.25	-0.25	0.51	-0.25
31192630	OP	MC	5,811	0.53	0.07	0.30	0.10	0.53	–	0.43	-0.16	-0.25	-0.18	0.43
31192650	OP	MC	401	0.64	0.64	0.21	0.05	0.09	–	0.38	0.38	-0.20	-0.18	-0.21
31192670	OP	MC	1,423	0.53	0.03	0.09	0.53	0.35	–	0.35	-0.16	-0.17	0.35	-0.20
31192710	OP	MC	99	0.58	0.05	0.09	0.58	0.28	–	0.35	-0.21	-0.24	0.35	-0.14
31192790	OP	MC	2,193	0.62	0.04	0.23	0.62	0.12	–	0.25	-0.09	-0.16	0.25	-0.12
31192880	OP	MC	2,455	0.55	0.17	0.18	0.55	0.10	–	0.40	-0.29	-0.17	0.40	-0.09
31193080	OP	MC	615	0.45	0.27	0.15	0.45	0.13	–	0.27	-0.11	-0.08	0.27	-0.17
31193090	OP	MC	2,473	0.39	0.12	0.29	0.19	0.39	–	0.41	-0.14	-0.22	-0.13	0.41
31193140	HL	MC	11,088	0.77	0.11	0.77	0.03	0.09	–	0.36	-0.24	0.36	-0.22	-0.13
31193230	OP	MC	3,952	0.39	0.36	0.20	0.39	0.04	–	0.38	-0.22	-0.19	0.38	-0.03
31193370	VL	MC	1,292	0.12	0.13	0.24	0.12	0.52	–	0.09	-0.09	0.02	0.09	-0.02
31193790	VL	MC	1,292	0.54	0.11	0.08	0.54	0.27	–	0.48	-0.16	-0.33	0.48	-0.23

Mathematics Grade 5														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31193820	VL	MC	1,292	0.68	0.04	0.08	0.68	0.19	–	0.45	-0.23	-0.20	0.45	-0.27
31194110	OP	MC	6,079	0.43	0.21	0.19	0.43	0.17	–	0.29	-0.11	-0.13	0.29	-0.13
31194120	OP	MC	134	0.68	0.19	0.68	0.07	0.06	–	0.41	-0.25	0.41	-0.18	-0.21
31194130	OP	MC	388	0.53	0.30	0.53	0.13	0.04	–	0.40	-0.30	0.40	-0.11	-0.14
31194140	OP	MC	2,441	0.44	0.10	0.44	0.44	0.03	–	0.42	-0.14	-0.31	0.42	-0.07
31194150	OP	MC	7	0.43	0.43	0.43	–	0.14	–	0.67	0.67	-0.75	–	0.12
31194160	OP	MC	4	0.75	0.75	0.25	–	–	–	0.27	0.27	-0.27	–	–
31194170	OP	MC	786	0.63	0.63	0.18	0.13	0.07	–	0.32	0.32	-0.08	-0.24	-0.18
31194200	HL	MC	11,105	0.74	0.08	0.13	0.74	0.06	–	0.39	-0.21	-0.25	0.39	-0.15
31194220	OP	MC	2,146	0.52	0.16	0.52	0.14	0.18	–	0.39	-0.20	0.39	-0.17	-0.17
31194230	OP	MC	16,587	0.64	0.16	0.08	0.12	0.64	–	0.35	-0.19	-0.16	-0.17	0.35
31194240	OP	MC	658	0.52	0.42	0.03	0.52	0.04	–	0.49	-0.41	-0.08	0.49	-0.16
31194250	HL	MC	11,105	0.76	0.76	0.08	0.10	0.07	–	0.47	0.47	-0.24	-0.28	-0.22
31194260	OP	MC	1,503	0.50	0.26	0.17	0.50	0.07	–	0.39	-0.27	-0.14	0.39	-0.10
31194270	HL	MC	11,088	0.89	0.02	0.04	0.04	0.89	–	0.39	-0.24	-0.22	-0.20	0.39
31194280	OP	MC	22,249	0.50	0.50	0.15	0.25	0.10	–	0.22	0.22	-0.16	-0.05	-0.10
31194310	OP	MC	2,277	0.46	0.12	0.20	0.22	0.46	–	0.36	-0.13	-0.18	-0.16	0.36
31194320	HL	MC	22,249	0.64	0.22	0.05	0.09	0.64	–	0.46	-0.33	-0.10	-0.21	0.46
31194330	OP	MC	479	0.52	0.27	0.52	0.12	0.08	–	0.39	-0.21	0.39	-0.13	-0.22
31194340	OP	MC	1,677	0.51	0.26	0.51	0.14	0.09	–	0.34	-0.18	0.34	-0.13	-0.15
31194350	OP	MC	9,887	0.78	0.14	0.78	0.02	0.06	–	0.28	-0.18	0.28	-0.09	-0.19
31194360	OP	MC	658	0.29	0.48	0.21	0.29	0.02	–	0.45	-0.31	-0.10	0.45	-0.08
31194370	OP	MC	2,228	0.34	0.16	0.39	0.11	0.34	–	0.43	-0.05	-0.27	-0.17	0.43
31194380	OP	MC	5,070	0.59	0.11	0.26	0.59	0.04	–	0.32	-0.12	-0.20	0.32	-0.14
31194390	HL	MC	22,249	0.85	0.85	0.12	0.01	0.02	–	0.38	0.38	-0.31	-0.13	-0.17
31194410	OP	MC	11,403	0.70	0.17	0.11	0.70	0.03	–	0.46	-0.33	-0.22	0.46	-0.12
31194430	OP	MC	11	0.18	0.18	0.27	0.36	0.18	–	0.60	-0.05	-0.29	-0.18	0.60
31194440	OP	MC	4,716	0.45	0.50	0.04	0.45	0.01	–	0.48	-0.42	-0.13	0.48	-0.04
31194460	OP	MC	22,249	0.33	0.28	0.19	0.33	0.20	–	0.23	-0.08	-0.16	0.23	-0.03
31194500	OP	MC	1,902	0.55	0.05	0.18	0.55	0.22	–	0.36	-0.10	-0.14	0.36	-0.24
31194510	OP	MC	8,252	0.63	0.63	0.14	0.12	0.11	–	0.47	0.47	-0.22	-0.25	-0.22
31194520	OP	MC	4,257	0.57	0.21	0.13	0.57	0.09	–	0.39	-0.26	-0.18	0.39	-0.10
31195570	VL	MC	1,382	0.81	0.07	0.05	0.81	0.07	–	0.37	-0.19	-0.14	0.37	-0.25

Mathematics Grade 5														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31195730	VL	MC	1,292	0.81	0.81	0.03	0.03	0.13	–	0.35	0.35	-0.17	-0.20	-0.22
31195930	VL	MC	1,382	0.80	0.80	0.08	0.08	0.04	–	0.42	0.42	-0.24	-0.30	-0.11
31196050	VL	MC	1,292	0.85	0.85	0.06	0.07	0.02	–	0.37	0.37	-0.22	-0.23	-0.16
31231670	HL	MC	22,249	0.40	0.21	0.13	0.26	0.40	–	0.42	-0.18	-0.25	-0.11	0.42
31232450	OP	MC	62	0.66	0.02	0.27	0.05	0.66	–	0.47	0.06	-0.39	-0.26	0.47
31232470	HL	MC	22,249	0.87	0.12	0.01	–	0.87	–	0.32	-0.29	-0.12	-0.09	0.32
31232640	OP	MC	13	0.31	–	0.69	–	0.31	–	0.43	–	-0.43	–	0.43
31232650	OP	MC	312	0.59	0.06	0.31	0.04	0.59	–	0.37	-0.07	-0.30	-0.12	0.37
31233060	VL	MC	1,290	0.60	0.60	0.28	0.05	0.07	–	0.33	0.33	-0.14	-0.20	-0.22
31233080	OP	MC	598	0.48	0.27	0.48	0.17	0.08	–	0.36	-0.15	0.36	-0.20	-0.14
31233170	OP	MC	11	0.91	0.09	0.91	–	–	–	0.27	-0.27	0.27	–	–
31233210	OP	MC	3,287	0.48	0.11	0.48	0.38	0.03	–	0.35	-0.13	0.35	-0.23	-0.13
31233240	OP	MC	1,726	0.50	0.37	0.50	0.07	0.05	–	0.33	-0.16	0.33	-0.19	-0.19
31233310	HL	MC	11,088	0.73	0.73	0.26	0.01	0.01	–	0.25	0.25	-0.21	-0.10	-0.13
31233380	OP	MC	17	0.47	0.47	0.12	0.29	0.12	–	0.31	0.31	-0.13	0.06	-0.43
41141210	OP	MC	4,356	0.51	0.24	0.51	0.24	0.01	–	0.40	-0.32	0.40	-0.14	-0.04
41141530	OP	MC	420	0.35	0.16	0.35	0.31	0.19	–	0.26	-0.16	0.26	-0.06	-0.10
41144130	OP	MC	200	0.43	0.06	0.04	0.48	0.43	–	0.45	-0.13	-0.19	-0.31	0.45
41145860	OP	MC	202	0.52	0.52	0.30	0.12	0.06	–	0.37	0.37	-0.24	-0.15	-0.11
31157380	FT	MC	1,156	0.78	0.03	0.78	0.07	0.13	–	0.38	-0.12	0.38	-0.24	-0.24
31157420	FT	MC	1,215	0.60	0.13	0.60	0.18	0.10	–	0.30	-0.13	0.30	-0.13	-0.18
31157450	FT	MC	1,161	0.39	0.33	0.13	0.16	0.39	–	0.37	-0.16	-0.14	-0.16	0.37
31157490	FT	MC	1,173	0.64	0.24	0.07	0.64	0.06	–	0.50	-0.38	-0.18	0.50	-0.15
31157530	FT	MC	1,173	0.62	0.13	0.13	0.62	0.12	–	0.27	-0.27	-0.11	0.27	-0.01
31157560	FT	MC	1,156	0.31	0.14	0.31	0.26	0.29	–	0.45	-0.07	0.45	-0.11	-0.30
31157580	FT	MC	1,182	0.56	0.15	0.14	0.56	0.15	–	0.38	-0.21	-0.22	0.38	-0.11
31157610	FT	MC	1,155	0.58	0.58	0.26	0.04	0.13	–	0.28	0.28	-0.22	-0.17	-0.03
31157620	FT	MC	1,225	0.42	0.20	0.17	0.21	0.42	–	0.43	-0.19	-0.30	-0.06	0.43
31157640	FT	MC	1,163	0.65	0.65	0.02	0.03	0.30	–	0.33	0.33	-0.14	-0.21	-0.22
31157680	FT	MC	1,160	0.45	0.19	0.45	0.20	0.16	–	0.34	-0.09	0.34	-0.25	-0.09
31157690	FT	MC	1,154	0.73	0.07	0.06	0.73	0.14	–	0.33	-0.20	-0.23	0.33	-0.11
31157720	FT	MC	1,162	0.73	0.05	0.73	0.17	0.05	–	0.51	-0.20	0.51	-0.38	-0.19
31157750	FT	MC	1,151	0.83	0.07	0.83	0.09	0.01	–	0.30	-0.19	0.30	-0.16	-0.14

Mathematics Grade 5														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31157800	FT	MC	1,173	0.83	0.10	0.83	0.01	0.06	–	0.35	-0.26	0.35	-0.13	-0.18
31157840	FT	MC	1,183	0.36	0.36	0.29	0.20	0.16	–	0.30	0.30	-0.10	-0.12	-0.14
31157850	FT	MC	1,164	0.51	0.10	0.15	0.25	0.51	–	0.46	-0.22	-0.18	-0.24	0.46
31157860	FT	MC	1,162	0.76	0.76	0.15	0.04	0.06	–	0.29	0.29	-0.16	-0.19	-0.13
31157880	FT	MC	1,162	0.70	0.11	0.12	0.70	0.08	–	0.51	-0.23	-0.35	0.51	-0.18
31157890	FT	MC	1,165	0.43	0.43	0.44	0.10	0.03	–	0.49	0.49	-0.23	-0.34	-0.13
31157910	FT	MC	1,168	0.61	0.07	0.16	0.16	0.61	–	0.52	-0.15	-0.35	-0.23	0.52
31157920	FT	MC	1,170	0.58	0.58	0.13	0.07	0.21	–	0.40	0.40	-0.24	-0.17	-0.16
31157940	FT	MC	1,155	0.24	0.41	0.23	0.24	0.11	–	0.27	-0.15	-0.01	0.27	-0.13
31157990	FT	MC	1,165	0.95	0.95	0.02	0.02	0.01	–	0.11	0.11	-0.05	-0.08	-0.06
31158020	FT	MC	1,203	0.51	0.08	0.27	0.13	0.51	–	0.61	-0.10	-0.45	-0.23	0.61
31158060	FT	MC	1,157	0.75	0.09	0.08	0.07	0.75	–	0.43	-0.33	-0.17	-0.17	0.43
31158070	FT	MC	1,160	0.38	0.28	0.38	0.12	0.22	–	0.55	-0.24	0.55	-0.01	-0.38
31158090	FT	MC	1,156	0.75	0.75	0.14	0.06	0.04	–	0.33	0.33	-0.16	-0.24	-0.15
31158100	FT	MC	1,155	0.61	0.61	0.08	0.14	0.17	–	0.39	0.39	-0.21	-0.17	-0.20
31158140	FT	MC	1,159	0.30	0.55	0.09	0.06	0.30	–	0.06	-0.02	-0.07	0.02	0.06
31158150	FT	MC	1,185	0.59	0.59	0.08	0.14	0.19	–	0.34	0.34	-0.22	-0.20	-0.10
31158220	FT	MC	1,184	0.89	0.89	–	0.10	–	–	0.27	0.27	-0.05	-0.25	-0.06
31158260	FT	MC	1,163	0.88	0.03	0.88	0.03	0.07	–	0.29	-0.14	0.29	-0.15	-0.18
31158300	FT	MC	1,176	0.96	0.03	0.02	0.96	–	–	0.20	-0.20	-0.06	0.20	–
31219520	FT	MC	1,157	0.66	0.13	0.11	0.10	0.66	–	0.53	-0.28	-0.31	-0.19	0.53
31219820	FT	MC	1,163	0.63	0.18	0.08	0.63	0.10	–	0.38	-0.34	-0.16	0.38	-0.02
31220240	FT	MC	1,164	0.63	0.24	0.09	0.63	0.05	–	0.46	-0.33	-0.22	0.46	-0.10
31220320	FT	MC	1,161	0.74	0.09	0.74	0.13	0.03	–	0.27	-0.20	0.27	-0.08	-0.18
31220550	FT	MC	1,166	0.35	0.35	0.06	0.44	0.15	–	0.33	0.33	-0.13	-0.18	-0.10
31220630	FT	MC	1,167	0.90	0.03	0.90	0.04	0.03	–	0.37	-0.19	0.37	-0.24	-0.17
31220740	FT	MC	1,160	0.68	0.07	0.18	0.07	0.68	–	0.54	-0.26	-0.37	-0.18	0.54
31220820	FT	MC	1,164	0.52	0.14	0.15	0.52	0.19	–	0.36	-0.12	-0.19	0.36	-0.18
31221130	FT	MC	1,227	0.70	0.12	0.70	0.11	0.06	–	0.43	-0.19	0.43	-0.29	-0.16
31221240	FT	MC	1,179	0.35	0.10	0.38	0.35	0.18	–	0.19	-0.08	-0.07	0.19	-0.08
31221260	FT	MC	1,158	0.76	0.08	0.76	0.06	0.09	–	0.17	-0.12	0.17	-0.10	-0.04
31221430	FT	MC	1,180	0.57	0.06	0.57	0.07	0.30	–	0.25	-0.18	0.25	-0.23	-0.04
31221440	FT	MC	1,166	0.55	0.55	0.08	0.25	0.12	–	0.20	0.20	-0.19	-0.15	0.06

Mathematics Grade 5														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31221520	FT	MC	1,335	0.60	0.13	0.23	0.60	0.04	–	0.56	-0.22	-0.42	0.56	-0.14
31157510	OPFT	Non-MC	22,249	0.52	0.23	0.49	0.27	–	–	0.58	-0.42	-0.10	0.51	–
31157630	OPFT	Non-MC	22,249	0.49	0.35	0.31	0.34	–	–	0.42	-0.31	-0.12	0.43	–
31158250	OPFT	Non-MC	22,249	0.45	0.47	0.16	0.37	–	–	0.48	-0.43	-0.02	0.46	–
31158290	OPFT	Non-MC	22,249	0.87	0.06	0.14	0.80	–	–	0.41	-0.29	-0.27	0.40	–
31238400	VL	Non-MC	1,292	0.26	0.61	0.27	0.12	–	–	0.10	-0.08	–	0.11	–
31238450	VL	Non-MC	1,290	0.22	0.64	0.28	0.08	–	–	0.33	-0.29	0.15	0.26	–
31157390	FT	Non-MC	1,159	0.09	0.91	0.09	–	–	–	0.41	-0.41	0.41	–	–
31157400	FT	Non-MC	1,177	0.27	0.73	0.27	–	–	–	0.48	-0.48	0.48	–	–
31157430	FT	Non-MC	1,185	0.67	0.34	0.67	–	–	–	0.37	-0.37	0.37	–	–
31157440	FT	Non-MC	1,519	0.51	0.33	0.32	0.35	–	–	0.55	-0.40	-0.15	0.55	–
31157460	FT	Non-MC	1,157	0.21	0.79	0.21	–	–	–	0.40	-0.40	0.40	–	–
31157470	FT	Non-MC	1,511	0.60	0.18	0.45	0.37	–	–	0.42	-0.35	-0.06	0.34	–
31157480	FT	Non-MC	1,544	0.38	0.39	0.46	0.15	–	–	0.44	-0.29	-0.05	0.46	–
31157500	FT	Non-MC	1,165	0.49	0.51	0.49	–	–	–	0.59	-0.59	0.59	–	–
31157520	FT	Non-MC	1,512	0.31	0.57	0.23	0.20	–	–	0.45	-0.36	-0.02	0.46	–
31157540	FT	Non-MC	1,176	0.18	0.82	0.18	–	–	–	0.48	-0.48	0.48	–	–
31157570	FT	Non-MC	1,159	0.27	0.73	0.27	–	–	–	0.55	-0.55	0.55	–	–
31157590	FT	Non-MC	1,159	0.38	0.62	0.38	–	–	–	0.58	-0.58	0.58	–	–
31157650	FT	Non-MC	1,162	0.72	0.28	0.72	–	–	–	0.48	-0.48	0.48	–	–
31157660	FT	Non-MC	1,518	0.47	0.40	0.25	0.35	–	–	0.55	-0.49	0.01	0.50	–
31157710	FT	Non-MC	1,152	0.09	0.91	0.09	–	–	–	0.29	-0.29	0.29	–	–
31157730	FT	Non-MC	1,516	0.52	0.25	0.46	0.30	–	–	0.53	-0.34	-0.20	0.54	–
31157740	FT	Non-MC	1,155	0.37	0.63	0.37	–	–	–	0.62	-0.62	0.62	–	–
31157760	FT	Non-MC	1,532	0.52	0.25	0.47	0.28	–	–	0.46	-0.34	-0.08	0.41	–
31157770	FT	Non-MC	1,168	0.77	0.23	0.77	–	–	–	0.46	-0.46	0.46	–	–
31157780	FT	Non-MC	1,555	0.42	0.39	0.38	0.23	–	–	0.56	-0.48	0.08	0.47	–
31157820	FT	Non-MC	1,508	0.44	0.34	0.44	0.22	–	–	0.48	-0.33	-0.08	0.47	–
31157830	FT	Non-MC	1,154	0.32	0.68	0.32	–	–	–	0.53	-0.53	0.53	–	–
31157870	FT	Non-MC	1,159	0.46	0.54	0.46	–	–	–	0.48	-0.48	0.48	–	–
31157900	FT	Non-MC	1,507	0.32	0.45	0.47	0.08	–	–	0.57	-0.53	0.34	0.35	–
31157930	FT	Non-MC	1,519	0.39	0.40	0.41	0.19	–	–	0.53	-0.41	0.02	0.49	–
31157970	FT	Non-MC	1,156	0.57	0.43	0.57	–	–	–	0.47	-0.47	0.47	–	–

Mathematics Grade 5														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31157980	FT	Non-MC	1,506	0.48	0.31	0.43	0.27	–	–	0.62	-0.47	-0.07	0.57	–
31158000	FT	Non-MC	1,178	0.93	0.07	0.93	–	–	–	0.24	-0.24	0.24	–	–
31158010	FT	Non-MC	1,160	0.81	0.19	0.81	–	–	–	0.29	-0.29	0.29	–	–
31158040	FT	Non-MC	1,517	0.52	0.34	0.29	0.37	–	–	0.58	-0.44	-0.15	0.58	–
31158050	FT	Non-MC	1,189	0.66	0.34	0.66	–	–	–	0.31	-0.31	0.31	–	–
31158080	FT	Non-MC	1,523	0.58	0.25	0.35	0.40	–	–	0.63	-0.52	-0.12	0.57	–
31158110	FT	Non-MC	1,534	0.50	0.30	0.39	0.31	–	–	0.42	-0.33	-0.06	0.39	–
31158120	FT	Non-MC	1,527	0.30	0.52	0.36	0.13	–	–	0.41	-0.30	0.04	0.40	–
31158130	FT	Non-MC	1,160	0.55	0.45	0.55	–	–	–	0.54	-0.54	0.54	–	–
31158160	FT	Non-MC	1,192	0.69	0.31	0.69	–	–	–	0.42	-0.42	0.42	–	–
31158170	FT	Non-MC	1,516	0.34	0.52	0.28	0.21	–	–	0.57	-0.55	0.23	0.43	–
31158180	FT	Non-MC	1,211	0.53	0.47	0.53	–	–	–	0.36	-0.36	0.36	–	–
31158190	FT	Non-MC	1,527	0.66	0.24	0.20	0.56	–	–	0.44	-0.35	-0.19	0.45	–
31158200	FT	Non-MC	1,157	0.46	0.54	0.46	–	–	–	0.43	-0.43	0.43	–	–
31158230	FT	Non-MC	1,165	0.88	0.12	0.88	–	–	–	0.34	-0.34	0.34	–	–
31158240	FT	Non-MC	1,516	0.81	0.10	0.18	0.72	–	–	0.43	-0.33	-0.22	0.40	–
31158270	FT	Non-MC	1,153	0.52	0.48	0.52	–	–	–	0.47	-0.47	0.47	–	–
31158280	FT	Non-MC	1,510	0.74	0.18	0.16	0.66	–	–	0.42	-0.34	-0.18	0.41	–
31158310	FT	Non-MC	1,169	0.95	0.05	0.95	–	–	–	0.19	-0.19	0.19	–	–
31221450	FT	Non-MC	1,524	0.46	0.34	0.41	0.25	–	–	0.47	-0.38	–	0.41	–
31221470	FT	Non-MC	1,535	0.89	0.08	0.06	0.85	–	–	0.38	-0.34	-0.14	0.36	–

Table F.10. Classical Item-Level Statistics—Mathematics Grade 6

Mathematics Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31161340	VL	MC	1,257	0.73	0.73	0.11	0.12	0.04	–	0.45	0.45	-0.25	-0.24	-0.21
31162050	HL	MC	23,277	0.62	0.62	0.14	0.15	0.09	–	0.37	0.37	-0.19	-0.20	-0.15
31162620	VL	MC	1,259	0.66	0.09	0.66	0.16	0.09	–	0.43	-0.25	0.43	-0.30	-0.09
31162710	OP	MC	1,794	0.46	0.26	0.46	0.14	0.13	–	0.33	-0.17	0.33	-0.18	-0.09
31162760	OP	MC	226	0.38	0.38	0.32	0.19	0.11	–	0.31	0.31	-0.10	-0.18	-0.11
31162770	OP	MC	1,270	0.54	0.22	0.54	0.17	0.07	–	0.33	-0.22	0.33	-0.12	-0.12

Mathematics Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31162820	OP	MC	21,753	0.73	0.12	0.73	0.06	0.09	–	0.34	-0.17	0.34	-0.21	-0.17
31162840	OP	MC	425	0.50	0.11	0.50	0.16	0.24	–	0.33	-0.02	0.33	-0.18	-0.22
31162870	OP	MC	112	0.38	0.38	0.14	0.23	0.25	–	0.41	0.41	-0.06	-0.22	-0.20
31162890	OP	MC	188	0.40	0.40	0.12	0.21	0.27	–	0.33	0.33	-0.04	-0.16	-0.19
31162900	OP	MC	2,140	0.28	0.07	0.28	0.57	0.08	–	0.16	-0.07	0.16	-0.07	-0.07
31162910	OP	MC	3,006	0.55	0.11	0.55	0.19	0.15	–	0.33	-0.12	0.33	-0.19	-0.14
31162920	OP	MC	1,293	0.41	0.09	0.41	0.28	0.21	–	0.42	-0.15	0.42	-0.17	-0.22
31162930	OP	MC	540	0.47	0.11	0.47	0.18	0.24	–	0.28	-0.13	0.28	-0.18	-0.07
31162970	OP	MC	198	0.46	0.46	0.39	0.09	0.06	–	0.42	0.42	-0.21	-0.31	-0.08
31162990	OP	MC	6,593	0.35	0.35	0.25	0.18	0.22	–	0.33	0.33	-0.08	-0.13	-0.17
31163000	OP	MC	1,316	0.42	0.27	0.42	0.22	0.09	–	0.33	-0.19	0.33	-0.14	-0.08
31163020	OP	MC	636	0.48	0.24	0.48	0.17	0.12	–	0.35	-0.16	0.35	-0.17	-0.14
31163040	OP	MC	2,002	0.45	0.45	0.29	0.19	0.06	–	0.38	0.38	-0.19	-0.19	-0.11
31163060	OP	MC	377	0.54	0.54	0.05	0.03	0.38	–	0.29	0.29	-0.11	-0.07	-0.23
31163120	OP	MC	499	0.33	0.31	0.33	0.18	0.18	–	0.31	-0.07	0.31	-0.18	-0.11
31163180	OP	MC	1,318	0.42	0.17	0.42	0.13	0.28	–	0.33	-0.11	0.33	-0.13	-0.18
31163220	OP	MC	1,496	0.53	0.20	0.53	0.09	0.18	–	0.40	-0.18	0.40	-0.20	-0.19
31163230	OP	MC	1,458	0.51	0.23	0.51	0.18	0.07	–	0.33	-0.19	0.33	-0.16	-0.07
31163260	OP	MC	2,735	0.36	0.34	0.36	0.15	0.15	–	0.28	-0.14	0.28	-0.07	-0.12
31166700	OP	MC	704	0.70	0.06	0.70	0.02	0.23	–	0.30	-0.13	0.30	–	-0.26
31166720	OP	MC	1,007	0.66	0.03	0.66	0.05	0.26	–	0.37	-0.15	0.37	-0.23	-0.23
31166730	OP	MC	423	0.57	0.57	0.09	0.28	0.06	–	0.35	0.35	-0.28	-0.13	-0.14
31166740	OP	MC	862	0.63	0.16	0.63	0.15	0.07	–	0.39	-0.26	0.39	-0.16	-0.16
31166770	OP	MC	222	0.38	0.18	0.38	0.28	0.15	–	0.39	-0.10	0.39	-0.20	-0.17
31166790	OP	MC	1,209	0.49	0.16	0.49	0.19	0.16	–	0.32	-0.12	0.32	-0.16	-0.14
31166830	OP	MC	1,057	0.35	0.28	0.35	0.16	0.21	–	0.31	-0.11	0.31	-0.08	-0.17
31166840	OP	MC	1,053	0.46	0.46	0.18	0.19	0.17	–	0.39	0.39	-0.13	-0.19	-0.19
31166880	OP	MC	187	0.43	0.07	0.43	0.05	0.45	–	0.42	-0.04	0.42	-0.14	-0.33
31166900	OP	MC	118	0.35	0.35	0.14	0.14	0.36	–	0.29	0.29	0.01	-0.17	-0.17
31166910	OP	MC	92	0.49	0.25	0.49	0.24	0.02	–	0.26	-0.23	0.26	-0.09	0.05
31166950	OP	MC	1,293	0.51	0.51	0.25	0.15	0.09	–	0.34	0.34	-0.13	-0.20	-0.15
31166960	OP	MC	2,644	0.63	0.63	0.22	0.06	0.09	–	0.28	0.28	-0.20	-0.09	-0.11
31166970	OP	MC	604	0.41	0.09	0.41	0.36	0.14	–	0.24	-0.06	0.24	-0.17	-0.05

Mathematics Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31166980	OP	MC	702	0.45	0.18	0.45	0.19	0.18	–	0.27	-0.16	0.27	-0.13	-0.06
31167030	OP	MC	3,209	0.43	0.43	0.13	0.33	0.11	–	0.23	0.23	-0.09	-0.13	-0.07
31167040	OP	MC	595	0.47	0.47	0.09	0.10	0.34	–	0.21	0.21	-0.14	-0.11	-0.07
31167080	OP	MC	1,059	0.50	0.22	0.50	0.04	0.24	–	0.36	-0.20	0.36	-0.10	-0.19
31167120	OP	MC	179	0.43	0.20	0.43	0.21	0.16	–	0.32	-0.08	0.32	-0.14	-0.18
31167130	OP	MC	196	0.31	0.31	0.36	0.20	0.13	–	0.29	0.29	-0.03	-0.17	-0.15
31167160	OP	MC	1,493	0.50	0.50	0.24	0.20	0.07	–	0.33	0.33	-0.18	-0.18	-0.06
31167210	OP	MC	2,855	0.46	0.10	0.46	0.26	0.17	–	0.28	-0.10	0.28	-0.18	-0.08
31167230	OP	MC	15,550	0.66	0.66	0.13	0.10	0.11	–	0.43	0.43	-0.20	-0.21	-0.25
31167240	OP	MC	594	0.42	0.42	0.19	0.17	0.22	–	0.36	0.36	-0.07	-0.25	-0.14
31167250	OP	MC	10,612	0.53	0.41	0.53	0.04	0.03	–	0.38	-0.31	0.38	-0.12	-0.08
31167330	OP	MC	213	0.58	0.09	0.58	0.12	0.21	–	0.33	-0.17	0.33	-0.23	-0.10
31167340	OP	MC	945	0.44	0.44	0.13	0.22	0.20	–	0.43	0.43	-0.14	-0.14	-0.27
31167350	OP	MC	203	0.44	0.24	0.44	0.23	0.09	–	0.46	-0.17	0.46	-0.19	-0.26
31167360	OP	MC	1,836	0.56	0.35	0.56	0.06	0.04	–	0.33	-0.23	0.33	-0.11	-0.14
31167410	OP	MC	425	0.54	0.08	0.54	0.19	0.19	–	0.29	-0.06	0.29	-0.07	-0.25
31167430	HL	MC	23,277	0.76	0.76	0.14	0.03	0.07	–	0.50	0.50	-0.33	-0.21	-0.25
31167440	OP	MC	269	0.44	0.25	0.44	0.14	0.17	–	0.38	-0.22	0.38	-0.03	-0.22
31167450	OP	MC	1,013	0.34	0.34	0.26	0.22	0.18	–	0.35	0.35	-0.13	-0.22	-0.04
31167460	OP	MC	63	0.51	0.27	0.51	0.17	0.05	–	0.39	-0.31	0.39	-0.06	-0.17
31167490	OP	MC	187	0.37	0.16	0.37	0.27	0.20	–	0.22	-0.01	0.22	-0.12	-0.12
31167520	OP	MC	1,062	0.50	0.50	0.19	0.24	0.07	–	0.37	0.37	-0.17	-0.22	-0.10
31167560	OP	MC	1,842	0.46	0.46	0.14	0.33	0.07	–	0.30	0.30	-0.18	-0.13	-0.11
31167580	HL	MC	11,519	0.72	0.22	0.72	0.02	0.03	–	0.41	-0.33	0.41	-0.15	-0.13
31167600	OP	MC	1,858	0.39	0.11	0.39	0.21	0.29	–	0.38	-0.13	0.38	-0.13	-0.20
31167620	OP	MC	313	0.48	0.48	0.25	0.22	0.06	–	0.30	0.30	-0.09	-0.27	0.01
31167640	OP	MC	1,072	0.40	0.15	0.40	0.39	0.07	–	0.27	-0.12	0.27	-0.14	-0.07
31167730	OP	MC	594	0.33	0.33	0.38	0.20	0.08	–	0.39	0.39	-0.14	-0.20	-0.12
31167780	OP	MC	13,249	0.47	0.47	0.35	0.04	0.14	–	0.28	0.28	-0.13	-0.12	-0.16
31167820	OP	MC	2,194	0.49	0.10	0.49	0.21	0.20	–	0.28	-0.10	0.28	-0.17	-0.10
31167850	OP	MC	1,459	0.54	0.54	0.27	0.05	0.14	–	0.27	0.27	-0.17	-0.09	-0.11
31167970	OP	MC	1,593	0.57	0.57	0.22	0.12	0.09	–	0.34	0.34	-0.09	-0.21	-0.21
31168050	OP	MC	418	0.57	0.15	0.57	0.14	0.14	–	0.21	-0.15	0.21	-0.11	-0.05

Mathematics Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31168100	OP	MC	774	0.41	0.41	0.34	0.15	0.09	–	0.29	0.29	-0.16	-0.07	-0.15
31168110	OP	MC	3,770	0.52	0.52	0.19	0.23	0.06	–	0.44	0.44	-0.24	-0.21	-0.16
31168670	OP	MC	345	0.57	0.57	0.11	0.10	0.23	–	0.39	0.39	-0.22	-0.15	-0.20
31168680	OP	MC	934	0.45	0.31	0.45	0.19	0.06	–	0.39	-0.25	0.39	-0.14	-0.09
31168690	OP	MC	2,096	0.68	0.07	0.68	0.07	0.17	–	0.34	-0.19	0.34	-0.15	-0.19
31168770	OP	MC	1,418	0.47	0.25	0.47	0.16	0.12	–	0.41	-0.20	0.41	-0.18	-0.16
31168780	OP	MC	599	0.30	0.30	0.28	0.28	0.15	–	0.34	0.34	-0.09	-0.18	-0.10
31168790	OP	MC	1,470	0.45	0.18	0.45	0.22	0.14	–	0.30	-0.05	0.30	-0.19	-0.14
31168810	OP	MC	156	0.33	0.18	0.33	0.30	0.19	–	0.39	0.07	0.39	-0.32	-0.16
31168820	OP	MC	682	0.44	0.44	0.22	0.18	0.15	–	0.35	0.35	-0.07	-0.23	-0.16
31168840	OP	MC	2,455	0.52	0.52	0.15	0.26	0.07	–	0.43	0.43	-0.29	-0.16	-0.17
31168850	OP	MC	147	0.26	0.26	0.14	0.51	0.09	–	0.36	0.36	-0.26	-0.08	-0.09
31168870	OP	MC	2,608	0.55	0.17	0.55	0.17	0.11	–	0.31	-0.15	0.31	-0.17	-0.11
31168920	VL	MC	1,263	0.74	0.08	0.74	0.09	0.10	–	0.44	-0.21	0.44	-0.27	-0.19
31169000	OP	MC	159	0.31	0.31	0.20	0.20	0.29	–	0.30	0.30	-0.23	-0.07	-0.04
31169010	OP	MC	15,968	0.63	0.63	0.12	0.17	0.08	–	0.40	0.40	-0.17	-0.24	-0.17
31169020	OP	MC	2,210	0.51	0.17	0.51	0.21	0.11	–	0.25	-0.09	0.25	-0.16	-0.09
31169060	OP	MC	273	0.47	0.26	0.47	0.14	0.14	–	0.25	-0.09	0.25	-0.10	-0.14
31169070	OP	MC	1,382	0.36	0.36	0.14	0.24	0.26	–	0.33	0.33	-0.07	-0.15	-0.15
31169080	OP	MC	543	0.51	0.51	0.14	0.10	0.25	–	0.38	0.38	-0.14	-0.16	-0.21
31169090	OP	MC	3,386	0.58	0.58	0.10	0.12	0.21	–	0.34	0.34	-0.11	-0.18	-0.19
31169190	HL	MC	23,277	0.62	0.62	0.09	0.22	0.06	–	0.40	0.40	-0.23	-0.18	-0.22
31169290	VL	MC	1,257	0.24	0.24	0.15	0.54	0.07	–	0.36	0.36	-0.15	-0.14	-0.12
31169730	VL	MC	1,258	0.74	0.74	0.13	0.11	0.02	–	0.32	0.32	-0.22	-0.15	-0.14
31170570	VL	MC	1,258	0.83	0.01	0.83	0.04	0.13	–	0.31	-0.12	0.31	-0.25	-0.18
31170600	VL	MC	1,258	0.56	0.33	0.56	0.06	0.05	–	0.33	-0.21	0.33	-0.17	-0.12
31172070	VL	MC	1,257	0.71	0.04	0.12	0.71	0.13	–	0.45	-0.19	-0.28	0.45	-0.23
31172530	VL	MC	1,259	0.65	0.15	0.17	0.03	0.65	–	0.33	-0.10	-0.25	-0.17	0.33
31172690	VL	MC	1,259	0.54	0.26	0.09	0.54	0.11	–	0.25	-0.12	-0.05	0.25	-0.19
31173240	HL	MC	11,758	0.84	0.06	0.09	0.01	0.84	–	0.48	-0.23	-0.38	-0.14	0.48
31173360	VL	MC	1,257	0.34	0.33	0.21	0.34	0.13	–	0.23	-0.08	-0.10	0.23	-0.09
31173920	VL	MC	1,263	0.79	0.03	0.16	0.79	0.02	–	0.51	-0.15	-0.44	0.51	-0.15
31173970	VL	MC	1,258	0.73	0.02	0.10	0.15	0.73	–	0.35	-0.19	-0.19	-0.20	0.35

Mathematics Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31175280	VL	MC	1,263	0.73	0.01	0.19	0.73	0.07	–	0.42	-0.13	-0.26	0.42	-0.27
31175310	VL	MC	1,263	0.67	0.11	0.08	0.14	0.67	–	0.40	-0.19	-0.19	-0.22	0.40
31175690	OP	MC	286	0.44	0.17	0.28	0.44	0.10	–	0.28	-0.19	-0.09	0.28	-0.09
31175790	OP	MC	244	0.42	0.33	0.20	0.04	0.42	–	0.36	-0.18	-0.21	-0.03	0.36
31175810	OP	MC	1,426	0.46	0.20	0.23	0.46	0.11	–	0.32	-0.10	-0.19	0.32	-0.14
31175830	OP	MC	164	0.50	0.28	0.13	0.09	0.50	–	0.36	-0.16	-0.09	-0.27	0.36
31175940	OP	MC	704	0.41	0.20	0.21	0.18	0.41	–	0.40	-0.16	-0.14	-0.20	0.40
31175950	OP	MC	501	0.66	0.04	0.20	0.10	0.66	–	0.38	-0.14	-0.33	-0.06	0.38
31175960	OP	MC	1,495	0.40	0.15	0.27	0.40	0.18	–	0.35	-0.06	-0.19	0.35	-0.17
31176020	OP	MC	245	0.41	0.09	0.31	0.41	0.20	–	0.23	-0.07	-0.07	0.23	-0.15
31176040	OP	MC	519	0.32	0.33	0.17	0.18	0.32	–	0.32	-0.16	-0.14	-0.07	0.32
31176060	OP	MC	1,736	0.51	0.15	0.21	0.14	0.51	–	0.25	-0.12	-0.16	-0.06	0.25
31176080	OP	MC	488	0.37	0.26	0.10	0.27	0.37	–	0.27	-0.13	-0.01	-0.16	0.27
31176090	OP	MC	319	0.44	0.17	0.33	0.44	0.06	–	0.40	-0.23	-0.18	0.40	-0.11
31176280	OP	MC	878	0.40	0.14	0.24	0.22	0.40	–	0.32	-0.10	-0.14	-0.14	0.32
31176300	OP	MC	389	0.29	0.33	0.29	0.29	0.09	–	0.24	-0.09	-0.12	0.24	-0.03
31176370	OP	MC	741	0.50	0.25	0.07	0.18	0.50	–	0.33	-0.08	-0.17	-0.23	0.33
31176410	OP	MC	938	0.43	0.26	0.16	0.43	0.15	–	0.40	-0.18	-0.18	0.40	-0.16
31176450	VL	MC	1,259	0.58	0.20	0.15	0.58	0.08	–	0.46	-0.30	-0.19	0.46	-0.17
31176460	HL	MC	23,277	0.63	0.27	0.05	0.05	0.63	–	0.58	-0.44	-0.19	-0.20	0.58
31176470	OP	MC	2,127	0.77	0.01	0.21	0.01	0.77	–	0.33	-0.11	-0.29	-0.13	0.33
31176500	OP	MC	345	0.51	0.06	0.06	0.37	0.51	–	0.36	-0.11	-0.16	-0.24	0.36
31176520	OP	MC	58	0.29	0.33	0.24	0.14	0.29	–	0.46	-0.29	–	-0.21	0.46
31176530	OP	MC	307	0.54	0.11	0.22	0.54	0.13	–	0.41	-0.07	-0.28	0.41	-0.20
31176560	OP	MC	180	0.59	0.04	0.11	0.26	0.59	–	0.41	-0.15	-0.23	-0.23	0.41
31176600	VL	MC	1,258	0.48	0.14	0.25	0.13	0.48	–	0.51	-0.15	-0.29	-0.23	0.51
31176620	OP	MC	465	0.30	0.11	0.40	0.20	0.30	–	0.37	-0.19	-0.16	-0.09	0.37
31176640	OP	MC	1,230	0.39	0.10	0.12	0.39	0.39	–	0.27	-0.08	-0.07	-0.17	0.27
31176670	OP	MC	1,997	0.46	0.16	0.25	0.46	0.12	–	0.31	-0.16	-0.12	0.31	-0.12
31176680	OP	MC	36	0.39	0.06	0.39	0.39	0.17	–	0.36	-0.42	-0.06	0.36	-0.14
31176690	OP	MC	61	0.30	0.31	0.20	0.30	0.20	–	0.48	-0.14	-0.06	0.48	-0.33
31176710	OP	MC	1,192	0.47	0.17	0.20	0.47	0.17	–	0.30	-0.11	-0.18	0.30	-0.10
31176730	HL	MC	23,277	0.68	0.08	0.06	0.18	0.68	–	0.41	-0.30	-0.23	-0.14	0.41

Mathematics Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31176750	OP	MC	1,022	0.36	0.08	0.35	0.21	0.36	–	0.36	-0.03	-0.27	-0.10	0.36
31176780	OP	MC	401	0.43	0.23	0.16	0.18	0.43	–	0.41	-0.27	-0.09	-0.15	0.41
31176790	OP	MC	1,812	0.37	0.36	0.12	0.37	0.16	–	0.35	-0.20	-0.12	0.35	-0.09
31176810	OP	MC	698	0.37	0.27	0.25	0.11	0.37	–	0.39	-0.28	-0.11	-0.04	0.39
31176820	OP	MC	795	0.37	0.08	0.22	0.32	0.37	–	0.35	-0.14	-0.12	-0.17	0.35
31176840	OP	MC	676	0.57	0.16	0.24	0.57	0.03	–	0.27	-0.18	-0.14	0.27	-0.06
31176850	OP	MC	1,158	0.44	0.18	0.15	0.22	0.44	–	0.38	-0.13	-0.18	-0.18	0.38
31176860	OP	MC	153	0.32	0.39	0.21	0.32	0.09	–	0.24	-0.14	-0.07	0.24	-0.04
31176880	OP	MC	230	0.45	0.20	0.10	0.25	0.45	–	0.46	-0.21	-0.20	-0.19	0.46
31176900	OP	MC	3,325	0.18	0.03	0.79	0.18	0.01	–	0.23	-0.05	-0.19	0.23	-0.03
31176910	OP	MC	860	0.31	0.43	0.20	0.31	0.06	–	0.36	-0.19	-0.11	0.36	-0.12
31176920	OP	MC	888	0.35	0.09	0.11	0.44	0.35	–	0.31	-0.04	-0.20	-0.14	0.31
31176930	OP	MC	1,638	0.51	0.14	0.16	0.51	0.19	–	0.34	-0.13	-0.12	0.34	-0.20
31176950	OP	MC	202	0.46	0.08	0.14	0.46	0.32	–	0.23	-0.17	-0.13	0.23	-0.04
31176990	OP	MC	844	0.47	0.45	0.06	0.47	0.02	–	0.38	-0.26	-0.19	0.38	-0.10
31177000	HL	MC	11,519	0.63	0.07	0.07	0.63	0.23	–	0.46	-0.28	-0.20	0.46	-0.23
31177010	OP	MC	1,544	0.48	0.24	0.11	0.16	0.48	–	0.36	-0.15	-0.18	-0.16	0.36
31177060	OP	MC	610	0.34	0.30	0.18	0.18	0.34	–	0.41	-0.12	-0.15	-0.21	0.41
31177070	OP	MC	10,021	0.57	0.12	0.27	0.57	0.04	–	0.33	-0.23	-0.15	0.33	-0.11
31177090	OP	MC	232	0.49	0.22	0.25	0.49	0.05	–	0.42	-0.30	-0.19	0.42	-0.03
31177100	OP	MC	376	0.30	0.36	0.22	0.13	0.30	–	0.29	-0.17	-0.04	-0.11	0.29
31177110	OP	MC	2,286	0.37	0.42	0.10	0.11	0.37	–	0.32	-0.23	-0.05	-0.09	0.32
31177120	OP	MC	1,702	0.33	0.33	0.10	0.33	0.25	–	0.41	-0.20	-0.08	0.41	-0.18
31177130	OP	MC	310	0.41	0.13	0.21	0.25	0.41	–	0.21	-0.08	0.04	-0.21	0.21
31177150	OP	MC	843	0.38	0.23	0.16	0.23	0.38	–	0.38	-0.18	-0.18	-0.10	0.38
31177160	OP	MC	1,181	0.35	0.05	0.53	0.35	0.07	–	0.37	-0.16	-0.20	0.37	-0.16
31177210	OP	MC	333	0.53	0.14	0.15	0.18	0.53	–	0.37	-0.19	-0.15	-0.17	0.37
31177230	OP	MC	443	0.42	0.26	0.15	0.16	0.42	–	0.41	-0.11	-0.19	-0.24	0.41
31177280	HL	MC	11,758	0.70	0.10	0.14	0.70	0.05	–	0.49	-0.31	-0.30	0.49	-0.12
31177300	HL	MC	11,758	0.61	0.14	0.11	0.61	0.15	–	0.41	-0.22	-0.19	0.41	-0.18
31177320	OP	MC	2,841	0.47	0.11	0.20	0.47	0.23	–	0.32	-0.12	-0.10	0.32	-0.20
31177350	OP	MC	1,573	0.51	0.04	0.27	0.51	0.17	–	0.33	-0.12	-0.23	0.33	-0.10
31177440	HL	MC	11,519	0.76	0.01	0.07	0.76	0.16	–	0.43	-0.12	-0.29	0.43	-0.27

Mathematics Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31177460	OP	MC	1,448	0.48	0.33	0.10	0.08	0.48	–	0.39	-0.19	-0.17	-0.19	0.39
31177470	OP	MC	336	0.38	0.27	0.21	0.38	0.15	–	0.43	-0.18	-0.19	0.43	-0.16
31177490	OP	MC	581	0.44	0.13	0.31	0.44	0.13	–	0.38	-0.19	-0.12	0.38	-0.21
31177510	HL	MC	11,758	0.59	0.14	0.12	0.14	0.59	–	0.42	-0.23	-0.18	-0.20	0.42
31177530	OP	MC	2,350	0.47	0.17	0.19	0.47	0.16	–	0.34	-0.15	-0.17	0.34	-0.13
31177580	OP	MC	185	0.34	0.19	0.34	0.14	0.34	–	0.34	-0.11	-0.19	-0.08	0.34
31177640	OP	MC	9,106	0.65	0.13	0.17	0.04	0.65	–	0.46	-0.26	-0.27	-0.14	0.46
31177670	OP	MC	12	0.42	0.08	0.25	0.25	0.42	–	0.22	0.32	-0.02	-0.43	0.22
31177690	OP	MC	546	0.40	0.12	0.19	0.29	0.40	–	0.34	-0.21	-0.20	-0.05	0.34
31177710	OP	MC	344	0.29	0.22	0.30	0.18	0.29	–	0.36	-0.06	-0.08	-0.26	0.36
31177720	OP	MC	634	0.52	0.28	0.11	0.09	0.52	–	0.38	-0.19	-0.22	-0.13	0.38
31177740	HL	MC	11,519	0.55	0.28	0.13	0.05	0.55	–	0.53	-0.47	-0.10	-0.10	0.53
31177770	OP	MC	107	0.53	0.07	0.22	0.53	0.18	–	0.42	-0.11	-0.20	0.42	-0.25
31177780	OP	MC	464	0.52	0.03	0.09	0.36	0.52	–	0.38	-0.12	-0.10	-0.30	0.38
31177790	OP	MC	2,159	0.50	0.21	0.22	0.50	0.07	–	0.29	-0.16	-0.12	0.29	-0.12
31177800	OP	MC	45	0.51	0.13	0.13	0.51	0.22	–	0.46	-0.26	-0.15	0.46	-0.22
31177810	OP	MC	959	0.51	0.16	0.13	0.20	0.51	–	0.38	-0.23	-0.16	-0.13	0.38
31177850	OP	MC	1,974	0.47	0.07	0.29	0.17	0.47	–	0.34	-0.11	-0.22	-0.11	0.34
31177860	OP	MC	7,436	0.63	0.08	0.12	0.63	0.17	–	0.22	-0.14	-0.11	0.22	-0.08
31189240	OP	MC	162	0.26	0.23	0.35	0.26	0.16	–	0.17	-0.11	0.01	0.17	-0.07
31189270	OP	MC	10,860	0.61	0.61	0.11	0.17	0.11	–	0.45	0.45	-0.25	-0.20	-0.22
31189290	OP	MC	183	0.33	0.33	0.28	0.14	0.25	–	0.18	0.18	-0.08	-0.09	-0.04
31189300	OP	MC	2,032	0.47	0.38	0.13	0.47	0.02	–	0.31	-0.19	-0.17	0.31	-0.04
31189320	OP	MC	354	0.39	0.39	0.25	0.26	0.10	–	0.39	0.39	-0.20	-0.12	-0.17
31189330	OP	MC	353	0.37	0.14	0.25	0.37	0.24	–	0.38	-0.10	-0.24	0.38	-0.10
31189350	OP	MC	60	0.47	0.08	0.47	0.27	0.18	–	0.39	-0.15	0.39	-0.27	-0.09
31189360	OP	MC	396	0.36	0.24	0.23	0.17	0.36	–	0.36	-0.09	-0.15	-0.19	0.36
31189370	OP	MC	681	0.51	0.17	0.19	0.51	0.13	–	0.33	-0.09	-0.21	0.33	-0.15
31189400	OP	MC	111	0.50	0.26	0.13	0.50	0.11	–	0.39	-0.05	-0.12	0.39	-0.42
31189420	OP	MC	749	0.34	0.38	0.15	0.14	0.34	–	0.33	-0.18	-0.07	-0.12	0.33
31189440	OP	MC	545	0.45	0.45	0.19	0.21	0.16	–	0.40	0.40	-0.16	-0.17	-0.19
31189470	OP	MC	590	0.35	0.35	0.23	0.25	0.17	–	0.37	0.37	-0.14	-0.20	-0.08
31189490	OP	MC	1,301	0.46	0.09	0.18	0.46	0.27	–	0.39	-0.10	-0.10	0.39	-0.29

Mathematics Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31189660	OP	MC	1,695	0.36	0.43	0.36	0.07	0.14	–	0.43	-0.26	0.43	-0.09	-0.15
31189760	OP	MC	311	0.45	0.45	0.41	0.09	0.05	–	0.23	0.23	-0.11	-0.21	–
31189770	OP	MC	591	0.60	0.09	0.10	0.60	0.21	–	0.36	-0.15	-0.18	0.36	-0.20
31189800	OP	MC	383	0.37	0.20	0.08	0.37	0.35	–	0.10	-0.09	-0.14	0.10	0.05
31189940	OP	MC	18,053	0.62	0.22	0.09	0.62	0.07	–	0.43	-0.27	-0.20	0.43	-0.16
31189970	OP	MC	890	0.50	0.50	0.27	0.10	0.13	–	0.40	0.40	-0.25	-0.15	-0.13
31190020	HL	MC	11,519	0.76	0.05	0.76	0.09	0.10	–	0.48	-0.17	0.48	-0.25	-0.31
31190060	HL	MC	23,277	0.78	0.06	0.05	0.78	0.11	–	0.51	-0.25	-0.24	0.51	-0.31
31190200	HL	MC	23,277	0.85	0.07	0.85	0.05	0.03	–	0.39	-0.23	0.39	-0.23	-0.18
31190250	OP	MC	1,264	0.37	0.35	0.37	0.20	0.08	–	0.35	-0.17	0.35	-0.17	-0.07
31190280	OP	MC	4,364	0.41	0.15	0.11	0.33	0.41	–	0.37	-0.15	-0.11	-0.20	0.37
31190360	OP	MC	1,534	0.40	0.13	0.40	0.23	0.25	–	0.33	-0.13	0.33	-0.20	-0.09
31190820	OP	MC	1,443	0.74	0.03	0.13	0.10	0.74	–	0.30	-0.12	-0.22	-0.12	0.30
31190830	OP	MC	3,757	0.46	0.15	0.16	0.46	0.23	–	0.27	-0.12	-0.15	0.27	-0.09
31190840	OP	MC	5,033	0.69	0.05	0.69	0.22	0.03	–	0.39	-0.11	0.39	-0.32	-0.13
31190850	OP	MC	9,972	0.60	0.31	0.03	0.06	0.60	–	0.25	-0.13	-0.14	-0.17	0.25
31190860	HL	MC	23,277	0.63	0.63	0.19	0.07	0.11	–	0.49	0.49	-0.28	-0.24	-0.21
31190880	OP	MC	706	0.41	0.12	0.41	0.41	0.06	–	0.32	-0.15	-0.17	0.32	-0.12
31190900	OP	MC	1,344	0.49	0.10	0.49	0.15	0.25	–	0.33	-0.12	0.33	-0.18	-0.15
31190910	HL	MC	23,277	0.50	0.22	0.50	0.14	0.14	–	0.32	-0.08	0.32	-0.23	-0.14
31190920	OP	MC	1,004	0.33	0.10	0.46	0.33	0.11	–	0.37	-0.16	-0.15	0.37	-0.16
31190930	OP	MC	1,095	0.51	0.12	0.17	0.51	0.20	–	0.32	-0.15	-0.15	0.32	-0.14
31190940	OP	MC	8,980	0.62	0.62	0.19	0.11	0.08	–	0.30	0.30	-0.15	-0.15	-0.14
31190950	OP	MC	157	0.43	0.43	0.27	0.15	0.15	–	0.55	0.55	-0.31	-0.20	-0.18
31190960	OP	MC	16,244	0.60	0.09	0.15	0.16	0.60	–	0.43	-0.21	-0.21	-0.21	0.43
31190970	OP	MC	316	0.34	0.34	0.42	0.13	0.11	–	0.33	0.33	-0.20	-0.08	-0.11
31190980	OP	MC	1,810	0.51	0.16	0.21	0.51	0.12	–	0.36	-0.16	-0.19	0.36	-0.15
31191000	OP	MC	284	0.64	0.64	0.15	0.16	0.05	–	0.45	0.45	-0.31	-0.14	-0.25
31191010	OP	MC	2,788	0.59	0.16	0.59	0.15	0.10	–	0.28	-0.13	0.28	-0.17	-0.09
31191020	HL	MC	23,277	0.48	0.23	0.18	0.48	0.11	–	0.46	-0.20	-0.21	0.46	-0.20
31191030	HL	MC	11,758	0.75	0.03	0.75	0.13	0.09	–	0.38	-0.16	0.38	-0.13	-0.32
31191040	OP	MC	422	0.50	0.04	0.03	0.50	0.43	–	0.33	0.01	-0.06	0.33	-0.32
31191050	OP	MC	14,886	0.59	0.10	0.12	0.59	0.20	–	0.39	-0.20	-0.20	0.39	-0.17

Mathematics Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31191060	OP	MC	1,199	0.67	0.09	0.67	0.14	0.10	–	0.33	-0.22	0.33	-0.12	-0.17
31191080	HL	MC	23,277	0.39	0.15	0.18	0.28	0.39	–	0.51	-0.13	-0.30	-0.19	0.51
31191090	OP	MC	655	0.44	0.22	0.11	0.24	0.44	–	0.31	-0.22	-0.12	-0.06	0.31
31191110	OP	MC	2,791	0.44	0.41	0.12	0.44	0.03	–	0.31	-0.20	-0.14	0.31	-0.06
31191120	OP	MC	9,161	0.75	0.16	0.06	0.03	0.75	–	0.30	-0.19	-0.18	-0.10	0.30
31191130	OP	MC	1,441	0.44	0.44	0.23	0.13	0.20	–	0.37	0.37	-0.13	-0.10	-0.24
31191150	OP	MC	15,754	0.72	0.08	0.05	0.15	0.72	–	0.36	-0.14	-0.15	-0.25	0.36
31191170	OP	MC	10,571	0.67	0.05	0.26	0.03	0.67	–	0.32	-0.15	-0.25	-0.07	0.32
31191180	OP	MC	983	0.40	0.16	0.28	0.40	0.16	–	0.31	-0.07	-0.17	0.31	-0.14
31191190	OP	MC	276	0.46	0.46	0.21	0.20	0.13	–	0.42	0.42	-0.18	-0.19	-0.18
31191200	OP	MC	13,256	0.53	0.33	0.53	0.04	0.10	–	0.28	-0.14	0.28	-0.15	-0.15
31191210	OP	MC	4,356	0.52	0.08	0.06	0.33	0.52	–	0.34	-0.15	-0.10	-0.22	0.34
31191230	OP	MC	477	0.40	0.15	0.27	0.40	0.18	–	0.35	-0.05	-0.17	0.35	-0.21
31191360	VL	MC	1,257	0.58	0.58	0.17	0.19	0.06	–	0.43	0.43	-0.24	-0.16	-0.25
31192180	VL	MC	1,263	0.68	0.04	0.14	0.14	0.68	–	0.47	-0.19	-0.23	-0.29	0.47
31193310	VL	MC	1,259	0.65	0.15	0.07	0.13	0.65	–	0.45	-0.24	-0.26	-0.18	0.45
31193370	HL	MC	11,519	0.24	0.07	0.21	0.24	0.48	–	0.36	-0.08	-0.03	0.36	-0.24
31193560	VL	MC	1,259	0.28	0.10	0.28	0.46	0.17	–	0.29	-0.20	0.29	-0.22	0.10
31193630	VL	MC	1,257	0.78	0.78	0.09	0.07	0.06	–	0.43	0.43	-0.29	-0.23	-0.15
31194320	VL	MC	1,258	0.67	0.16	0.07	0.09	0.67	–	0.50	-0.39	-0.11	-0.21	0.50
31194390	VL	MC	1,258	0.81	0.81	0.14	0.02	0.03	–	0.40	0.40	-0.30	-0.13	-0.20
31231320	OP	MC	238	0.44	0.13	0.23	0.21	0.44	–	0.35	-0.23	-0.15	-0.09	0.35
31231670	VL	MC	1,263	0.41	0.16	0.12	0.31	0.41	–	0.39	-0.15	-0.24	-0.13	0.39
31232470	VL	MC	1,263	0.88	0.11	0.01	–	0.88	–	0.33	-0.30	-0.12	-0.10	0.33
31232630	HL	MC	23,277	0.90	0.03	0.03	0.04	0.90	–	0.33	-0.19	-0.22	-0.14	0.33
31233020	OP	MC	331	0.31	0.11	0.31	0.29	0.29	–	0.45	-0.15	0.45	-0.16	-0.20
31233030	OP	MC	303	0.38	0.13	0.38	0.37	0.13	–	0.30	-0.03	0.30	-0.26	-0.04
31233040	OP	MC	1,984	0.51	0.51	0.22	0.16	0.12	–	0.38	0.38	-0.13	-0.21	-0.17
31233060	HL	MC	11,758	0.76	0.76	0.22	0.01	0.01	–	0.30	0.30	-0.25	-0.10	-0.14
31233110	OP	MC	1,528	0.58	0.27	0.07	0.58	0.07	–	0.38	-0.23	-0.16	0.38	-0.17
31247950	OP	MC	415	0.43	0.22	0.15	0.19	0.43	–	0.31	-0.12	-0.16	-0.11	0.31
31158340	FT	MC	2,295	0.27	0.27	0.23	0.27	0.22	–	0.43	0.43	-0.10	-0.17	-0.19
31158360	FT	MC	1,581	0.71	0.71	0.05	0.22	0.02	–	0.53	0.53	-0.29	-0.39	-0.14

Mathematics Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31158400	FT	MC	1,289	0.53	0.07	0.53	0.17	0.23	–	0.39	-0.19	0.39	-0.37	-0.02
31158420	FT	MC	1,457	0.36	0.32	0.18	0.15	0.36	–	0.37	-0.19	-0.15	-0.09	0.37
31158480	FT	MC	1,290	0.52	0.31	0.52	0.11	0.06	–	0.19	-0.03	0.19	-0.18	-0.09
31158500	FT	MC	1,473	0.23	0.49	0.11	0.17	0.23	–	0.08	0.08	-0.11	-0.10	0.08
31158540	FT	MC	1,429	0.82	0.05	0.82	0.09	0.04	–	0.41	-0.16	0.41	-0.27	-0.24
31158590	FT	MC	1,281	0.84	0.84	0.05	0.06	0.05	–	0.45	0.45	-0.18	-0.29	-0.27
31158630	FT	MC	1,255	0.48	0.14	0.16	0.48	0.21	–	0.31	-0.23	-0.18	0.31	-0.03
31158640	FT	MC	1,785	0.74	0.06	0.17	0.74	0.04	–	0.33	-0.19	-0.21	0.33	-0.13
31158750	FT	MC	1,269	0.37	0.37	0.13	0.20	0.30	–	0.31	0.31	-0.13	-0.22	-0.04
31158760	FT	MC	1,257	0.49	0.10	0.49	0.12	0.29	–	0.42	-0.25	0.42	-0.32	-0.07
31158840	FT	MC	1,497	0.41	0.20	0.08	0.32	0.41	–	0.32	-0.20	-0.14	-0.09	0.32
31158870	FT	MC	2,039	0.85	0.02	0.12	0.85	0.01	–	0.37	-0.12	-0.30	0.37	-0.17
31158890	FT	MC	1,322	0.60	0.26	0.60	0.06	0.08	–	0.26	-0.13	0.26	-0.18	-0.11
31158950	FT	MC	1,250	0.52	0.10	0.17	0.21	0.52	–	0.44	-0.14	-0.25	-0.20	0.44
31158980	FT	MC	1,286	0.46	0.15	0.15	0.23	0.46	–	0.36	-0.08	-0.18	-0.20	0.36
31159000	FT	MC	1,538	0.67	0.10	0.67	0.07	0.16	–	0.32	-0.17	0.32	-0.15	-0.17
31159030	FT	MC	1,291	0.23	0.29	0.23	0.35	0.13	–	0.16	0.05	0.16	-0.12	-0.10
31159050	FT	MC	1,266	0.80	0.07	0.08	0.80	0.05	–	0.37	-0.19	-0.22	0.37	-0.18
31159120	FT	MC	1,260	0.55	0.07	0.23	0.15	0.55	–	0.57	-0.14	-0.36	-0.27	0.57
31159180	FT	MC	1,254	0.74	0.09	0.74	0.08	0.09	–	0.40	-0.20	0.40	-0.25	-0.18
31159220	FT	MC	1,416	0.57	0.57	0.09	0.32	0.03	–	0.55	0.55	-0.20	-0.42	-0.12
31159250	FT	MC	1,260	0.37	0.17	0.36	0.37	0.10	–	0.33	-0.24	-0.18	0.33	0.06
31159280	FT	MC	1,327	0.46	0.17	0.20	0.46	0.17	–	0.41	-0.37	-0.07	0.41	-0.10
31222220	FT	MC	1,262	0.51	0.38	0.08	0.03	0.51	–	0.48	-0.29	-0.24	-0.18	0.48
31222410	FT	MC	1,275	0.36	0.08	0.40	0.36	0.16	–	0.03	-0.10	0.13	0.03	-0.14
31222810	FT	MC	1,257	0.44	0.19	0.15	0.22	0.44	–	0.45	-0.10	-0.27	-0.21	0.45
31223210	FT	MC	1,258	0.65	0.13	0.65	0.15	0.07	–	0.42	-0.14	0.42	-0.30	-0.19
31223230	FT	MC	1,256	0.47	0.47	0.24	0.17	0.13	–	0.36	0.36	-0.25	-0.09	-0.12
31223460	FT	MC	1,258	0.44	0.27	0.44	0.15	0.14	–	0.16	0.08	0.16	-0.10	-0.24
31223650	FT	MC	1,260	0.83	0.03	0.09	0.83	0.05	–	0.29	-0.13	-0.17	0.29	-0.18
31223830	FT	MC	1,283	0.30	0.27	0.27	0.17	0.30	–	0.32	0.03	-0.19	-0.20	0.32
31224340	FT	MC	1,346	0.79	0.10	0.79	0.07	0.05	–	0.31	-0.16	0.31	-0.18	-0.16
31224520	FT	MC	1,335	0.42	0.05	0.38	0.42	0.15	–	0.40	-0.11	-0.25	0.40	-0.14

Mathematics Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31224820	FT	MC	1,371	0.57	0.17	0.57	0.10	0.17	–	0.30	-0.16	0.30	-0.18	-0.10
31159240	OPFT	Non-MC	23,277	0.65	0.20	0.31	0.50	–	–	0.53	-0.43	-0.15	0.48	–
31238400	HL	Non-MC	11,519	0.39	0.49	0.25	0.27	–	–	0.34	-0.26	-0.06	0.35	–
31238410	VL	Non-MC	1,259	0.13	0.76	0.23	0.02	–	–	0.23	-0.22	0.18	0.14	–
31238450	HL	Non-MC	11,758	0.49	0.33	0.35	0.32	–	–	0.62	-0.53	–	0.54	–
31238490	VL	Non-MC	1,257	0.26	0.60	0.29	0.11	–	–	0.43	-0.33	0.05	0.43	–
31238610	HL	Non-MC	23,277	0.49	0.24	0.54	0.22	–	–	0.60	-0.46	-0.02	0.51	–
31238630	HL	Non-MC	23,277	0.34	0.50	0.33	0.17	–	–	0.63	-0.55	0.16	0.53	–
31158320	FT	Non-MC	3,127	0.25	0.75	0.25	–	–	–	0.43	-0.43	0.43	–	–
31158330	FT	Non-MC	1,267	0.59	0.34	0.14	0.52	–	–	0.66	-0.60	-0.12	0.65	–
31158350	FT	Non-MC	1,591	0.12	0.78	0.20	0.02	–	–	0.13	-0.07	–	0.21	–
31158370	FT	Non-MC	1,371	0.38	0.62	0.38	–	–	–	0.47	-0.47	0.47	–	–
31158380	FT	Non-MC	1,260	0.31	0.69	0.31	–	–	–	0.62	-0.62	0.62	–	–
31158390	FT	Non-MC	1,222	0.48	0.28	0.47	0.25	–	–	0.45	-0.34	-0.05	0.41	–
31158410	FT	Non-MC	1,268	0.27	0.73	0.27	–	–	–	0.49	-0.49	0.49	–	–
31158450	FT	Non-MC	2,189	0.40	0.60	0.40	–	–	–	0.46	-0.46	0.46	–	–
31158460	FT	Non-MC	1,231	0.51	0.22	0.54	0.24	–	–	0.56	-0.35	-0.17	0.54	–
31158470	FT	Non-MC	1,311	0.26	0.74	0.26	–	–	–	0.48	-0.48	0.48	–	–
31158510	FT	Non-MC	1,428	0.48	0.30	0.44	0.27	–	–	0.48	-0.37	-0.04	0.43	–
31158520	FT	Non-MC	1,441	0.21	0.79	0.21	–	–	–	0.52	-0.52	0.52	–	–
31158550	FT	Non-MC	1,457	0.25	0.63	0.23	0.14	–	–	0.60	-0.55	0.24	0.48	–
31158570	FT	Non-MC	1,338	0.81	0.19	0.81	–	–	–	0.39	-0.39	0.39	–	–
31158580	FT	Non-MC	1,221	0.48	0.28	0.49	0.23	–	–	0.42	-0.37	0.06	0.32	–
31158610	FT	Non-MC	1,256	0.54	0.30	0.31	0.38	–	–	0.64	-0.52	-0.11	0.60	–
31158620	FT	Non-MC	1,270	0.36	0.64	0.36	–	–	–	0.41	-0.41	0.41	–	–
31158650	FT	Non-MC	1,919	0.54	0.46	0.54	–	–	–	0.30	-0.30	0.30	–	–
31158670	FT	Non-MC	1,247	0.27	0.52	0.42	0.05	–	–	0.50	-0.44	0.29	0.35	–
31158680	FT	Non-MC	1,222	0.27	0.62	0.22	0.17	–	–	0.52	-0.49	0.19	0.43	–
31158700	FT	Non-MC	1,291	0.91	0.09	0.91	–	–	–	0.28	-0.28	0.28	–	–
31158710	FT	Non-MC	1,252	0.80	0.13	0.14	0.73	–	–	0.48	-0.39	-0.22	0.46	–
31158720	FT	Non-MC	1,429	0.18	0.73	0.20	0.08	–	–	0.34	-0.28	0.10	0.32	–
31158740	FT	Non-MC	1,392	0.30	0.70	0.30	–	–	–	0.48	-0.48	0.48	–	–
31158770	FT	Non-MC	1,221	0.67	0.21	0.25	0.55	–	–	0.55	-0.47	-0.13	0.50	–

Mathematics Grade 6														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31158780	FT	Non-MC	1,220	0.41	0.38	0.42	0.20	–	–	0.51	-0.37	-0.04	0.50	–
31158790	FT	Non-MC	1,385	0.35	0.65	0.35	–	–	–	0.46	-0.46	0.46	–	–
31158800	FT	Non-MC	1,344	0.61	0.19	0.39	0.42	–	–	0.56	-0.43	-0.16	0.50	–
31158830	FT	Non-MC	1,235	0.40	0.54	0.13	0.34	–	–	0.56	-0.52	0.04	0.53	–
31158850	FT	Non-MC	1,258	0.43	0.57	0.43	–	–	–	0.32	-0.32	0.32	–	–
31158880	FT	Non-MC	1,738	0.85	0.15	0.85	–	–	–	0.35	-0.35	0.35	–	–
31158900	FT	Non-MC	1,272	0.58	0.42	0.58	–	–	–	0.28	-0.28	0.28	–	–
31158910	FT	Non-MC	1,273	0.22	0.78	0.22	–	–	–	0.48	-0.48	0.48	–	–
31158920	FT	Non-MC	1,223	0.44	0.23	0.67	0.10	–	–	0.50	-0.35	0.04	0.44	–
31158970	FT	Non-MC	1,225	0.42	0.36	0.45	0.19	–	–	0.25	-0.19	0.01	0.23	–
31159060	FT	Non-MC	1,254	0.38	0.62	0.38	–	–	–	0.32	-0.32	0.32	–	–
31159070	FT	Non-MC	1,220	0.61	0.24	0.31	0.46	–	–	0.51	-0.40	-0.15	0.48	–
31159080	FT	Non-MC	1,410	0.33	0.67	0.33	–	–	–	0.41	-0.41	0.41	–	–
31159100	FT	Non-MC	1,240	0.18	0.75	0.13	0.12	–	–	0.43	-0.36	0.03	0.44	–
31159140	FT	Non-MC	1,216	0.25	0.64	0.21	0.15	–	–	0.56	-0.47	0.10	0.52	–
31159150	FT	Non-MC	1,412	0.12	0.88	0.12	–	–	–	0.35	-0.35	0.35	–	–
31159160	FT	Non-MC	1,264	0.30	0.54	0.32	0.14	–	–	0.42	-0.29	-0.03	0.45	–
31159170	FT	Non-MC	1,276	0.30	0.70	0.30	–	–	–	0.35	-0.35	0.35	–	–
31159190	FT	Non-MC	1,460	0.71	0.29	0.71	–	–	–	0.40	-0.40	0.40	–	–
31159200	FT	Non-MC	1,367	0.42	0.35	0.46	0.18	–	–	0.47	-0.40	0.10	0.36	–
31159210	FT	Non-MC	1,387	0.02	0.98	0.02	–	–	–	0.07	-0.07	0.07	–	–
31159290	FT	Non-MC	1,279	0.33	0.51	0.32	0.17	–	–	0.50	-0.36	-0.03	0.52	–
31221730	FT	Non-MC	1,263	0.10	0.90	0.10	–	–	–	0.41	-0.41	0.41	–	–
31222320	FT	Non-MC	1,227	0.39	0.39	0.45	0.16	–	–	0.44	-0.43	0.23	0.27	–
31222530	FT	Non-MC	1,263	0.24	0.76	0.24	–	–	–	0.47	-0.47	0.47	–	–
31222830	FT	Non-MC	1,263	0.13	0.87	0.13	–	–	–	0.46	-0.46	0.46	–	–
31222930	FT	Non-MC	1,257	0.25	0.75	0.25	–	–	–	0.48	-0.48	0.48	–	–
31223030	FT	Non-MC	1,368	0.25	0.58	0.34	0.08	–	–	0.44	-0.36	0.14	0.40	–
31223120	FT	Non-MC	1,224	0.40	0.35	0.50	0.14	–	–	0.33	-0.26	0.05	0.28	–
31223930	FT	Non-MC	1,279	0.34	0.66	0.34	–	–	–	0.53	-0.53	0.53	–	–
31224330	FT	Non-MC	1,268	0.42	0.41	0.35	0.24	–	–	0.56	-0.42	-0.05	0.55	–
31224940	FT	Non-MC	1,261	0.66	0.34	0.66	–	–	–	0.42	-0.42	0.42	–	–

Table F.11. Classical Item-Level Statistics—Mathematics Grade 7

Mathematics Grade 7														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31161340	HL	MC	11,919	0.75	0.75	0.09	0.12	0.04	–	0.44	0.44	-0.24	-0.26	-0.19
31161500	VL	MC	1,255	0.53	0.53	0.21	0.21	0.05	–	0.35	0.35	-0.20	-0.14	-0.17
31161810	HL	MC	22,893	0.30	0.02	0.30	0.32	0.36	–	0.42	-0.10	0.42	-0.17	-0.21
31161930	OP	MC	1,351	0.49	0.49	0.28	0.07	0.17	–	0.31	0.31	-0.21	-0.08	-0.10
31161940	OP	MC	5,258	0.47	0.30	0.47	0.11	0.11	–	0.28	-0.12	0.28	-0.15	-0.12
31162000	OP	MC	320	0.48	0.48	0.04	0.46	0.02	–	0.37	0.37	-0.07	-0.31	-0.13
31162030	OP	MC	292	0.53	0.25	0.53	0.13	0.09	–	0.30	-0.12	0.30	-0.12	-0.22
31162050	VL	MC	1,000	0.60	0.60	0.14	0.16	0.10	–	0.40	0.40	-0.19	-0.21	-0.18
31162170	VL	MC	1,257	0.45	0.45	0.23	0.21	0.11	–	0.40	0.40	-0.13	-0.22	-0.19
31162270	VL	MC	1,255	0.70	0.70	0.17	0.03	0.11	–	0.41	0.41	-0.39	-0.15	-0.06
31162300	OP	MC	1,559	0.51	0.51	0.08	0.36	0.05	–	0.36	0.36	-0.12	-0.26	-0.10
31162400	OP	MC	2,364	0.44	0.44	0.23	0.20	0.13	–	0.36	0.36	-0.16	-0.15	-0.15
31162620	HL	MC	10,974	0.76	0.06	0.76	0.11	0.07	–	0.45	-0.27	0.45	-0.33	-0.10
31162640	OP	MC	3,248	0.48	0.28	0.48	0.19	0.06	–	0.32	-0.19	0.32	-0.13	-0.10
31162720	OP	MC	551	0.40	0.10	0.40	0.33	0.17	–	0.28	-0.03	0.28	-0.23	-0.07
31167170	OP	MC	254	0.45	0.45	0.13	0.15	0.27	–	0.23	0.23	-0.03	-0.13	-0.14
31167280	OP	MC	1,354	0.49	0.49	0.13	0.12	0.26	–	0.27	0.27	-0.15	-0.15	-0.09
31167310	OP	MC	287	0.60	0.60	0.15	0.03	0.22	–	0.43	0.43	-0.22	-0.01	-0.31
31167380	OP	MC	711	0.54	0.54	0.21	0.25	0.01	–	0.34	0.34	-0.19	-0.21	0.01
31167420	OP	MC	378	0.35	0.11	0.35	0.27	0.26	–	0.31	-0.08	0.31	-0.22	-0.05
31167430	VL	MC	1,000	0.81	0.81	0.11	0.03	0.05	–	0.44	0.44	-0.27	-0.22	-0.23
31167570	HL	MC	22,893	0.64	0.14	0.64	0.17	0.05	–	0.49	-0.13	0.49	-0.38	-0.21
31167690	OP	MC	22,893	0.54	0.20	0.54	0.17	0.09	–	0.39	-0.16	0.39	-0.26	-0.11
31167710	OP	MC	6,210	0.48	0.48	0.43	0.04	0.05	–	0.38	0.38	-0.27	-0.12	-0.14
31167750	OP	MC	980	0.63	0.63	0.03	0.27	0.07	–	0.44	0.44	-0.05	-0.34	-0.21
31167830	OP	MC	460	0.48	0.48	0.04	0.33	0.15	–	0.41	0.41	-0.01	-0.26	-0.22
31167890	OP	MC	1,372	0.42	0.42	0.35	0.15	0.07	–	0.34	0.34	-0.15	-0.19	-0.12
31167940	OP	MC	115	0.50	0.50	0.27	0.16	0.08	–	0.22	0.22	-0.06	-0.09	-0.20
31168020	OP	MC	1,341	0.51	0.51	0.24	0.05	0.20	–	0.33	0.33	-0.19	-0.13	-0.14
31168060	OP	MC	2,740	0.72	0.72	0.16	0.11	0.02	–	0.45	0.45	-0.26	-0.29	-0.12
31168150	OP	MC	327	0.43	0.22	0.43	0.28	0.07	–	0.33	-0.09	0.33	-0.19	-0.15
31168170	OP	MC	366	0.66	0.17	0.66	0.16	0.01	–	0.40	-0.24	0.40	-0.24	-0.10

Mathematics Grade 7														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31168190	OP	MC	1,017	0.50	0.50	0.21	0.22	0.08	–	0.28	0.28	-0.18	-0.16	-0.02
31168220	OP	MC	1,412	0.50	0.08	0.50	0.35	0.07	–	0.34	-0.09	0.34	-0.20	-0.20
31168230	OP	MC	1,762	0.44	0.44	0.14	0.16	0.27	–	0.32	0.32	-0.09	-0.10	-0.21
31168240	OP	MC	12,457	0.68	0.21	0.68	0.08	0.04	–	0.46	-0.34	0.46	-0.18	-0.15
31168250	OP	MC	1,977	0.41	0.41	0.26	0.16	0.17	–	0.36	0.36	-0.22	-0.16	-0.06
31168490	VL	MC	1,255	0.77	0.08	0.77	0.07	0.08	–	0.39	-0.23	0.39	-0.27	-0.12
31168610	OP	MC	1,918	0.42	0.42	0.26	0.18	0.14	–	0.37	0.37	-0.14	-0.16	-0.17
31168620	OP	MC	166	0.29	0.29	0.21	0.32	0.18	–	0.31	0.31	-0.04	-0.16	-0.12
31169120	OP	MC	3,787	0.58	0.58	0.33	0.04	0.05	–	0.37	0.37	-0.26	-0.15	-0.15
31169170	OP	MC	14,176	0.54	0.54	0.09	0.17	0.20	–	0.41	0.41	-0.04	-0.24	-0.26
31169190	VL	MC	1,355	0.64	0.64	0.09	0.23	0.05	–	0.42	0.42	-0.23	-0.22	-0.20
31169200	OP	MC	750	0.44	0.07	0.44	0.19	0.29	–	0.33	-0.13	0.33	-0.13	-0.17
31169290	HL	MC	11,919	0.46	0.46	0.14	0.33	0.07	–	0.54	0.54	-0.23	-0.34	-0.11
31169310	OP	MC	3,393	0.47	0.47	0.16	0.16	0.21	–	0.35	0.35	-0.14	-0.16	-0.17
31169400	OP	MC	3,074	0.44	0.29	0.44	0.15	0.12	–	0.35	-0.16	0.35	-0.17	-0.13
31169420	OP	MC	109	0.50	0.50	0.18	0.08	0.24	–	0.28	0.28	-0.12	-0.16	-0.12
31169450	OP	MC	7,230	0.65	0.13	0.65	0.06	0.15	–	0.39	-0.19	0.39	-0.20	-0.21
31169470	OP	MC	3,262	0.52	0.20	0.52	0.13	0.15	–	0.36	-0.10	0.36	-0.21	-0.20
31169480	OP	MC	949	0.41	0.13	0.41	0.21	0.24	–	0.32	-0.17	0.32	-0.17	-0.07
31169500	OP	MC	206	0.45	0.45	0.17	0.08	0.31	–	0.32	0.32	-0.08	-0.06	-0.24
31169510	OP	MC	15,461	0.65	0.19	0.65	0.10	0.06	–	0.42	-0.24	0.42	-0.23	-0.16
31169640	OP	MC	275	0.42	0.35	0.42	0.15	0.09	–	0.39	-0.27	0.39	-0.14	-0.05
31169660	OP	MC	591	0.43	0.20	0.43	0.17	0.19	–	0.37	-0.09	0.37	-0.23	-0.16
31169740	OP	MC	4,882	0.49	0.20	0.49	0.20	0.11	–	0.28	-0.11	0.28	-0.16	-0.11
31169760	OP	MC	970	0.44	0.31	0.44	0.12	0.14	–	0.24	-0.09	0.24	-0.10	-0.13
31169770	OP	MC	580	0.61	0.12	0.61	0.19	0.09	–	0.34	-0.18	0.34	-0.19	-0.11
31169850	OP	MC	872	0.60	0.13	0.60	0.19	0.08	–	0.38	-0.06	0.38	-0.28	-0.20
31169870	OP	MC	634	0.53	0.18	0.53	0.25	0.04	–	0.33	-0.16	0.33	-0.23	-0.02
31169990	OP	MC	1,160	0.46	0.11	0.46	0.33	0.09	–	0.32	-0.15	0.32	-0.15	-0.14
31170000	OP	MC	304	0.42	0.24	0.42	0.16	0.17	–	0.37	-0.15	0.37	-0.19	-0.14
31170040	OP	MC	3,382	0.51	0.25	0.51	0.15	0.09	–	0.23	-0.16	0.23	-0.07	-0.08
31170070	OP	MC	1,622	0.49	0.19	0.49	0.05	0.27	–	0.43	-0.15	0.43	-0.06	-0.32
31171850	HL	MC	22,893	0.43	0.18	0.06	0.33	0.43	–	0.52	-0.12	-0.24	-0.32	0.52

Mathematics Grade 7														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31171860	VL	MC	1,257	0.48	0.12	0.10	0.48	0.30	–	0.32	-0.08	-0.20	0.32	-0.16
31171950	OP	MC	980	0.36	0.29	0.23	0.36	0.12	–	0.32	-0.11	-0.14	0.32	-0.13
31171980	OP	MC	1,115	0.58	0.08	0.19	0.58	0.15	–	0.31	-0.14	-0.27	0.31	-0.03
31172010	VL	MC	1,257	0.62	0.07	0.22	0.08	0.62	–	0.26	-0.12	-0.18	-0.08	0.26
31172070	HL	MC	11,919	0.78	0.05	0.09	0.78	0.08	–	0.46	-0.20	-0.30	0.46	-0.23
31172270	HL	MC	22,893	0.50	0.13	0.08	0.29	0.50	–	0.51	-0.32	-0.25	-0.17	0.51
31172310	OP	MC	1,135	0.47	0.29	0.18	0.47	0.06	–	0.29	-0.15	-0.13	0.29	-0.11
31172340	OP	MC	704	0.41	0.11	0.28	0.20	0.41	–	0.29	-0.07	-0.18	-0.10	0.29
31172380	HL	MC	22,893	0.67	0.10	0.10	0.67	0.13	–	0.49	-0.22	-0.30	0.49	-0.22
31172470	OP	MC	549	0.46	0.15	0.15	0.24	0.46	–	0.39	-0.20	-0.16	-0.16	0.39
31172530	HL	MC	10,974	0.79	0.06	0.11	0.03	0.79	–	0.43	-0.19	-0.34	-0.12	0.43
31172540	OP	MC	84	0.51	0.25	0.14	0.10	0.51	–	0.31	-0.13	-0.20	-0.11	0.31
31172580	OP	MC	2,082	0.48	0.31	0.18	0.48	0.04	–	0.36	-0.21	-0.17	0.36	-0.09
31172600	OP	MC	1,654	0.45	0.13	0.22	0.45	0.21	–	0.37	-0.20	-0.19	0.37	-0.09
31172610	OP	MC	2,248	0.42	0.18	0.27	0.42	0.13	–	0.31	-0.16	-0.14	0.31	-0.10
31172690	HL	MC	10,974	0.62	0.23	0.08	0.62	0.07	–	0.41	-0.26	-0.17	0.41	-0.16
31172760	OP	MC	843	0.35	0.17	0.26	0.22	0.35	–	0.32	-0.12	-0.17	-0.08	0.32
31172800	OP	MC	1,324	0.50	0.15	0.11	0.24	0.50	–	0.39	-0.14	-0.17	-0.22	0.39
31172830	OP	MC	1,935	0.69	0.18	0.08	0.69	0.05	–	0.38	-0.24	-0.19	0.38	-0.14
31172850	OP	MC	966	0.49	0.08	0.36	0.49	0.07	–	0.38	-0.17	-0.24	0.38	-0.12
31172880	OP	MC	6,990	0.45	0.22	0.16	0.18	0.45	–	0.37	-0.18	-0.17	-0.13	0.37
31172920	OP	MC	1,010	0.54	0.04	0.32	0.54	0.10	–	0.39	-0.12	-0.28	0.39	-0.12
31172930	OP	MC	2,559	0.54	0.15	0.27	0.54	0.04	–	0.38	-0.14	-0.30	0.38	-0.05
31173020	OP	MC	1,938	0.49	0.25	0.23	0.49	0.04	–	0.38	-0.26	-0.17	0.38	-0.04
31173050	OP	MC	822	0.46	0.17	0.19	0.46	0.18	–	0.40	-0.18	-0.16	0.40	-0.18
31173060	OP	MC	732	0.40	0.22	0.21	0.40	0.17	–	0.41	-0.18	-0.13	0.41	-0.20
31173230	OP	MC	2,058	0.52	0.12	0.30	0.52	0.06	–	0.38	-0.15	-0.26	0.38	-0.09
31173350	OP	MC	674	0.34	0.18	0.28	0.19	0.34	–	0.29	-0.08	-0.14	-0.11	0.29
31173360	HL	MC	11,919	0.56	0.18	0.16	0.56	0.10	–	0.46	-0.22	-0.23	0.46	-0.20
31173440	HL	MC	22,893	0.40	0.05	0.15	0.39	0.40	–	0.50	-0.20	-0.33	-0.17	0.50
31173470	OP	MC	18,800	0.70	0.24	0.03	0.03	0.70	–	0.38	-0.29	-0.14	-0.14	0.38
31176450	HL	MC	10,974	0.68	0.15	0.11	0.68	0.05	–	0.48	-0.34	-0.20	0.48	-0.17
31176460	VL	MC	1,000	0.71	0.21	0.04	0.04	0.71	–	0.51	-0.40	-0.16	-0.19	0.51

Mathematics Grade 7														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31176730	VL	MC	1,355	0.73	0.07	0.05	0.15	0.73	–	0.39	-0.26	-0.25	-0.15	0.39
31189670	VL	MC	1,257	0.18	0.37	0.18	0.36	0.09	–	0.19	-0.08	0.19	-0.06	-0.02
31190060	VL	MC	1,355	0.82	0.06	0.04	0.82	0.09	–	0.43	-0.26	-0.19	0.43	-0.26
31190200	VL	MC	1,000	0.88	0.06	0.88	0.04	0.02	–	0.34	-0.22	0.34	-0.19	-0.14
31190860	VL	MC	1,355	0.67	0.67	0.18	0.08	0.07	–	0.49	0.49	-0.30	-0.25	-0.18
31190910	VL	MC	1,000	0.56	0.19	0.56	0.12	0.13	–	0.33	-0.07	0.33	-0.24	-0.17
31191020	VL	MC	1,000	0.58	0.19	0.16	0.58	0.07	–	0.50	-0.23	-0.25	0.50	-0.24
31191080	VL	MC	1,355	0.38	0.16	0.20	0.27	0.38	–	0.47	-0.09	-0.27	-0.21	0.47
31191260	OP	MC	1,266	0.43	0.18	0.21	0.43	0.18	–	0.31	-0.17	-0.15	0.31	-0.07
31191270	OP	MC	752	0.50	0.15	0.22	0.50	0.14	–	0.33	-0.17	-0.15	0.33	-0.12
31191290	OP	MC	2,157	0.35	0.35	0.36	0.17	0.12	–	0.31	0.31	-0.16	-0.15	-0.04
31191300	OP	MC	753	0.40	0.27	0.18	0.40	0.15	–	0.28	-0.09	-0.12	0.28	-0.13
31191310	OP	MC	2,479	0.40	0.30	0.40	0.20	0.10	–	0.26	-0.13	0.26	-0.12	-0.07
31191340	OP	MC	1,225	0.46	0.46	0.23	0.26	0.04	–	0.31	0.31	-0.10	-0.22	-0.07
31191350	OP	MC	2,156	0.48	0.48	0.07	0.39	0.06	–	0.37	0.37	-0.12	-0.24	-0.15
31191360	HL	MC	11,919	0.67	0.67	0.12	0.17	0.05	–	0.48	0.48	-0.27	-0.24	-0.23
31191370	OP	MC	8,415	0.74	0.74	0.19	0.03	0.04	–	0.32	0.32	-0.25	-0.13	-0.10
31191400	HL	MC	22,893	0.59	0.24	0.59	0.10	0.07	–	0.40	-0.21	0.40	-0.22	-0.17
31191410	OP	MC	2,971	0.42	0.15	0.24	0.20	0.42	–	0.41	-0.16	-0.16	-0.19	0.41
31191420	OP	MC	3,059	0.37	0.29	0.18	0.16	0.37	–	0.37	-0.15	-0.17	-0.14	0.37
31191440	HL	MC	22,893	0.71	0.06	0.13	0.71	0.10	–	0.40	-0.15	-0.18	0.40	-0.28
31191450	OP	MC	1,988	0.46	0.07	0.14	0.33	0.46	–	0.38	-0.11	-0.14	-0.24	0.38
31191460	HL	MC	22,893	0.41	0.41	0.18	0.37	0.04	–	0.26	0.26	-0.35	0.09	-0.18
31191470	OP	MC	84	0.36	0.18	0.13	0.36	0.33	–	0.34	0.05	-0.35	0.34	-0.14
31191520	VL	MC	1,255	0.66	0.09	0.13	0.11	0.66	–	0.44	-0.18	-0.30	-0.17	0.44
31191670	VL	MC	1,255	0.22	0.16	0.22	0.40	0.22	–	0.13	-0.10	-0.10	0.05	0.13
31191710	VL	MC	1,257	0.33	0.24	0.24	0.18	0.33	–	0.44	-0.18	-0.12	-0.21	0.44
31191730	VL	MC	1,257	0.27	0.27	0.23	0.33	0.18	–	0.42	0.42	-0.06	-0.18	-0.20
31191740	VL	MC	1,255	0.40	0.40	0.28	0.17	0.15	–	0.34	0.34	-0.09	-0.16	-0.19
31191810	VL	MC	1,257	0.47	0.47	0.36	0.10	0.07	–	0.40	0.40	-0.19	-0.14	-0.26
31191850	OP	MC	1,341	0.42	0.42	0.32	0.15	0.11	–	0.36	0.36	-0.16	-0.20	-0.11
31191950	OP	MC	2,448	0.45	0.28	0.11	0.17	0.45	–	0.35	-0.21	-0.13	-0.11	0.35
31191960	OP	MC	721	0.33	0.40	0.12	0.33	0.15	–	0.30	-0.14	-0.13	0.30	-0.09

Mathematics Grade 7														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31191990	OP	MC	1,147	0.50	0.32	0.06	0.12	0.50	–	0.41	-0.21	-0.20	-0.18	0.41
31192100	OP	MC	6,053	0.51	0.27	0.17	0.51	0.05	–	0.39	-0.29	-0.13	0.39	-0.07
31192230	OP	MC	2,795	0.45	0.10	0.14	0.30	0.45	–	0.32	-0.14	-0.16	-0.13	0.32
31192240	OP	MC	2,601	0.51	0.26	0.51	0.21	0.02	–	0.32	-0.12	0.32	-0.22	-0.13
31192750	OP	MC	4,724	0.29	0.59	0.29	0.04	0.07	–	0.31	-0.23	0.31	-0.09	-0.02
31192760	OP	MC	2,220	0.53	0.24	0.53	0.05	0.19	–	0.31	-0.27	0.31	-0.04	-0.08
31193190	OP	MC	1,030	0.39	0.39	0.27	0.25	0.10	–	0.30	0.30	-0.09	-0.19	-0.09
31193270	OP	MC	11,919	0.62	0.12	0.13	0.12	0.62	–	0.49	-0.22	-0.26	-0.24	0.49
31193280	HL	MC	22,893	0.67	0.06	0.08	0.19	0.67	–	0.53	-0.23	-0.24	-0.33	0.53
31193310	HL	MC	10,974	0.74	0.13	0.04	0.09	0.74	–	0.48	-0.32	-0.22	-0.22	0.48
31193320	OP	MC	10,662	0.31	0.19	0.31	0.18	0.32	–	0.34	-0.12	0.34	-0.18	-0.08
31193350	OP	MC	1,164	0.44	0.44	0.17	0.24	0.15	–	0.43	0.43	-0.14	-0.22	-0.19
31193360	OP	MC	1,257	0.38	0.38	0.28	0.12	0.22	–	0.35	0.35	-0.33	-0.03	-0.03
31193400	OP	MC	19,922	0.65	0.18	0.65	0.16	–	–	0.44	-0.35	0.44	-0.19	-0.07
31193410	OP	MC	1,930	0.49	0.49	0.21	0.11	0.19	–	0.29	0.29	-0.12	-0.08	-0.18
31193440	OP	MC	1,194	0.44	0.44	0.22	0.22	0.12	–	0.34	0.34	-0.09	-0.22	-0.12
31193450	OP	MC	1,262	0.51	0.07	0.51	0.27	0.15	–	0.35	-0.15	0.35	-0.17	-0.16
31193460	OP	MC	1,344	0.45	0.22	0.08	0.25	0.45	–	0.34	-0.20	-0.12	-0.13	0.34
31193470	OP	MC	6,608	0.38	0.35	0.18	0.38	0.08	–	0.28	-0.11	-0.14	0.28	-0.09
31193510	OP	MC	1,744	0.45	0.14	0.45	0.25	0.16	–	0.34	-0.13	0.34	-0.20	-0.11
31193520	OP	MC	1,560	0.56	0.10	0.56	0.29	0.05	–	0.36	-0.11	0.36	-0.27	-0.09
31193530	OP	MC	1,441	0.47	0.10	0.47	0.25	0.18	–	0.34	-0.11	0.34	-0.19	-0.13
31193540	HL	MC	22,893	0.55	0.21	0.18	0.55	0.06	–	0.55	-0.36	-0.24	0.55	-0.14
31193550	OP	MC	653	0.45	0.36	0.45	0.11	0.08	–	0.35	-0.22	0.35	-0.12	-0.13
31193560	HL	MC	10,974	0.36	0.08	0.36	0.40	0.17	–	0.44	-0.21	0.44	-0.36	0.06
31193580	OP	MC	22,893	0.40	0.22	0.40	0.25	0.12	–	0.31	-0.15	0.31	-0.13	-0.10
31193590	OP	MC	22,893	0.43	0.15	0.24	0.43	0.18	–	0.38	-0.15	-0.20	0.38	-0.13
31193600	OP	MC	1,287	0.49	0.05	0.20	0.49	0.27	–	0.28	-0.07	-0.15	0.28	-0.15
31193610	HL	MC	22,893	0.46	0.13	0.32	0.09	0.46	–	0.42	-0.13	-0.23	-0.21	0.42
31193630	HL	MC	11,919	0.81	0.81	0.05	0.04	0.09	–	0.43	0.43	-0.25	-0.24	-0.22
31193640	OP	MC	1,323	0.52	0.20	0.52	0.18	0.09	–	0.31	-0.09	0.31	-0.20	-0.13
31193650	OP	MC	4,750	0.44	0.10	0.24	0.44	0.22	–	0.22	-0.10	-0.10	0.22	-0.09
31193660	OP	MC	22,893	0.53	0.53	0.33	0.09	0.04	–	0.39	0.39	-0.16	-0.28	-0.19

Mathematics Grade 7														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31193670	OP	MC	1,874	0.40	0.32	0.13	0.40	0.15	–	0.27	-0.19	-0.11	0.27	-0.02
31231230	HL	MC	22,893	0.49	0.26	0.11	0.49	0.14	–	0.34	-0.15	-0.25	0.34	-0.07
31231300	OP	MC	1,301	0.26	0.31	0.31	0.26	0.11	–	0.07	-0.03	-0.01	0.07	-0.05
31231620	OP	MC	21,592	0.43	0.23	0.43	0.20	0.14	–	0.34	-0.20	0.34	-0.21	0.01
31232590	VL	MC	1,255	0.50	0.50	0.17	0.26	0.07	–	-0.04	-0.04	-0.05	0.14	-0.09
31232620	OP	MC	803	0.47	0.14	0.32	0.47	0.07	–	0.29	-0.13	-0.18	0.29	-0.06
31232630	VL	MC	1,355	0.92	0.03	0.03	0.03	0.92	–	0.35	-0.19	-0.22	-0.18	0.35
31232770	OP	MC	1,109	0.38	0.38	0.23	0.26	0.13	–	0.34	0.34	-0.11	-0.19	-0.10
31159390	FT	MC	1,887	0.70	0.12	0.70	0.13	0.05	–	0.36	-0.23	0.36	-0.22	-0.07
31159420	FT	MC	1,603	0.43	0.23	0.22	0.43	0.12	–	0.40	-0.29	-0.19	0.40	–
31159460	FT	MC	1,361	0.44	0.16	0.18	0.44	0.22	–	0.43	-0.23	-0.18	0.43	-0.14
31159590	FT	MC	1,509	0.27	0.23	0.33	0.27	0.16	–	0.24	-0.22	-0.02	0.24	-0.02
31159610	FT	MC	1,275	0.34	0.34	0.29	0.21	0.16	–	0.41	0.41	-0.17	-0.18	-0.11
31159630	FT	MC	1,261	0.54	0.16	0.20	0.54	0.10	–	0.32	-0.12	-0.26	0.32	-0.03
31159660	FT	MC	1,275	0.51	0.12	0.51	0.28	0.09	–	0.33	-0.23	0.33	-0.12	-0.12
31159820	FT	MC	1,270	0.33	0.13	0.31	0.24	0.33	–	0.29	–	-0.03	-0.29	0.29
31159890	FT	MC	1,308	0.66	0.17	0.13	0.66	0.04	–	0.37	-0.22	-0.22	0.37	-0.10
31159900	FT	MC	1,294	0.66	0.07	0.11	0.66	0.15	–	0.33	-0.17	-0.19	0.33	-0.15
31159990	FT	MC	1,285	0.15	0.33	0.23	0.29	0.15	–	0.19	-0.12	-0.21	0.16	0.19
31160060	FT	MC	1,254	0.45	0.45	0.30	0.13	0.11	–	0.38	0.38	-0.22	-0.22	-0.04
31160160	FT	MC	1,268	0.68	0.14	0.12	0.68	0.06	–	0.32	-0.18	-0.20	0.32	-0.10
31160250	FT	MC	1,286	0.48	0.17	0.18	0.48	0.17	–	0.44	-0.20	-0.16	0.44	-0.22
31160370	FT	MC	1,245	0.43	0.15	0.21	0.21	0.43	–	0.38	-0.24	-0.22	-0.03	0.38
31160380	FT	MC	2,104	0.19	0.23	0.41	0.18	0.19	–	0.30	-0.07	-0.08	-0.13	0.30
31160480	FT	MC	1,490	0.72	0.07	0.11	0.10	0.72	–	0.48	-0.26	-0.22	-0.26	0.48
31160510	FT	MC	1,240	0.65	0.65	0.15	0.16	0.05	–	0.51	0.51	-0.31	-0.26	-0.20
31160590	FT	MC	1,262	0.27	0.13	0.50	0.09	0.27	–	0.51	-0.11	-0.29	-0.16	0.51
31160710	FT	MC	1,253	0.47	0.35	0.47	0.08	0.10	–	0.45	-0.39	0.45	-0.14	0.01
31160800	FT	MC	1,252	0.56	0.56	0.15	0.13	0.15	–	0.29	0.29	-0.11	-0.08	-0.21
31160900	FT	MC	1,724	0.54	0.18	0.13	0.15	0.54	–	0.39	-0.19	-0.18	-0.18	0.39
31160950	FT	MC	1,243	0.48	0.27	0.48	0.16	0.09	–	0.38	-0.09	0.38	-0.31	-0.12
31161040	FT	MC	1,248	0.44	0.23	0.44	0.21	0.12	–	0.29	-0.09	0.29	-0.19	-0.09
31161100	FT	MC	1,256	0.34	0.16	0.34	0.44	0.06	–	0.30	0.08	0.30	-0.31	-0.08

Mathematics Grade 7														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31161130	FT	MC	1,293	0.18	0.03	0.06	0.72	0.18	–	0.21	-0.15	-0.18	-0.02	0.21
31161200	FT	MC	1,249	0.48	0.22	0.18	0.12	0.48	–	0.40	-0.26	-0.10	-0.16	0.40
31161230	FT	MC	1,502	0.32	0.32	0.27	0.19	0.22	–	0.34	0.34	-0.10	-0.14	-0.14
31225130	FT	MC	1,276	0.44	0.27	0.44	0.11	0.18	–	0.30	-0.19	0.30	-0.23	0.02
31225220	FT	MC	1,249	0.47	0.47	0.18	0.13	0.23	–	0.23	0.23	-0.12	-0.16	-0.04
31225320	FT	MC	1,255	0.53	0.07	0.53	0.27	0.13	–	0.43	-0.11	0.43	-0.30	-0.15
31226120	FT	MC	1,260	0.32	0.23	0.32	0.26	0.18	–	0.14	-0.08	0.14	-0.02	-0.06
31226340	FT	MC	1,257	0.59	0.22	0.59	0.11	0.08	–	0.45	-0.34	0.45	-0.18	-0.08
31226510	FT	MC	1,314	0.66	0.15	0.11	0.09	0.66	–	0.52	-0.32	-0.26	-0.19	0.52
31226530	FT	MC	1,243	0.43	0.21	0.43	0.20	0.17	–	0.31	0.05	0.31	-0.19	-0.26
31227240	FT	MC	1,247	0.52	0.16	0.14	0.18	0.52	–	0.41	-0.18	-0.19	-0.18	0.41
31227360	FT	MC	1,364	0.28	0.35	0.20	0.28	0.17	–	0.14	0.05	-0.11	0.14	-0.10
31227500	FT	MC	1,401	0.34	0.13	0.36	0.34	0.16	–	0.33	-0.27	-0.05	0.33	-0.11
31159650	OPFT	Non-MC	22,893	0.50	0.38	0.25	0.37	–	–	0.59	-0.46	-0.16	0.60	–
31238410	HL	Non-MC	10,974	0.18	0.69	0.25	0.06	–	–	0.44	-0.38	0.21	0.36	–
31238420	HL	Non-MC	22,893	0.60	0.24	0.32	0.44	–	–	0.61	-0.50	-0.13	0.56	–
31238430	OP	Non-MC	11,919	0.32	0.45	0.47	0.09	–	–	0.29	-0.18	–	0.32	–
31238460	OP	Non-MC	10,974	0.30	0.53	0.34	0.13	–	–	0.50	-0.39	0.07	0.48	–
31238490	HL	Non-MC	11,919	0.40	0.46	0.28	0.26	–	–	0.61	-0.51	–	0.58	–
31238610	VL	Non-MC	1,000	0.49	0.28	0.46	0.26	–	–	0.59	-0.45	-0.04	0.52	–
31238630	VL	Non-MC	1,355	0.31	0.53	0.31	0.15	–	–	0.55	-0.47	0.12	0.49	–
31159430	FT	Non-MC	1,331	0.24	0.76	0.24	–	–	–	0.43	-0.43	0.43	–	–
31159440	FT	Non-MC	1,355	0.35	0.48	0.34	0.17	–	–	0.51	-0.42	0.09	0.45	–
31159450	FT	Non-MC	1,456	0.08	0.92	0.08	–	–	–	0.39	-0.39	0.39	–	–
31159620	FT	Non-MC	1,250	0.21	0.79	0.21	–	–	–	0.55	-0.55	0.55	–	–
31159670	FT	Non-MC	1,271	0.29	0.71	0.29	–	–	–	0.52	-0.52	0.52	–	–
31159680	FT	Non-MC	1,310	0.38	0.43	0.37	0.19	–	–	0.56	-0.45	0.05	0.50	–
31159800	FT	Non-MC	1,345	0.44	0.39	0.34	0.27	–	–	0.52	-0.39	-0.07	0.50	–
31159810	FT	Non-MC	1,293	0.28	0.72	0.28	–	–	–	0.46	-0.46	0.46	–	–
31159830	FT	Non-MC	1,301	0.08	0.83	0.17	–	–	–	-0.03	0.03	-0.03	–	–
31159910	FT	Non-MC	1,267	0.35	0.65	0.35	–	–	–	0.51	-0.51	0.51	–	–
31159920	FT	Non-MC	1,253	0.44	0.56	0.44	–	–	–	0.46	-0.46	0.46	–	–
31159930	FT	Non-MC	1,313	0.39	0.34	0.55	0.11	–	–	0.54	-0.51	0.29	0.32	–

Mathematics Grade 7														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31160000	FT	Non-MC	1,294	0.23	0.77	0.23	–	–	–	0.52	-0.52	0.52	–	–
31160010	FT	Non-MC	1,324	0.21	0.67	0.22	0.10	–	–	0.38	-0.33	0.13	0.33	–
31160050	FT	Non-MC	1,305	0.77	0.12	0.23	0.65	–	–	0.55	-0.43	-0.25	0.51	–
31160070	FT	Non-MC	1,247	0.06	0.94	0.06	–	–	–	0.38	-0.38	0.38	–	–
31160080	FT	Non-MC	1,329	0.09	0.85	0.11	0.04	–	–	0.39	-0.37	0.24	0.29	–
31160090	FT	Non-MC	1,266	0.12	0.88	0.12	–	–	–	0.38	-0.38	0.38	–	–
31160150	FT	Non-MC	1,319	0.34	0.47	0.37	0.16	–	–	0.47	-0.36	0.04	0.45	–
31160190	FT	Non-MC	1,307	0.56	0.27	0.33	0.40	–	–	0.50	-0.36	-0.17	0.49	–
31160260	FT	Non-MC	1,275	0.54	0.46	0.54	–	–	–	0.38	-0.38	0.38	–	–
31160280	FT	Non-MC	1,390	0.50	0.32	0.35	0.33	–	–	0.62	-0.52	-0.03	0.54	–
31160290	FT	Non-MC	1,324	0.05	0.95	0.05	–	–	–	0.31	-0.31	0.31	–	–
31160350	FT	Non-MC	1,281	0.36	0.64	0.36	–	–	–	0.53	-0.53	0.53	–	–
31160360	FT	Non-MC	1,247	0.33	0.67	0.33	–	–	–	0.44	-0.44	0.44	–	–
31160400	FT	Non-MC	1,302	0.41	0.51	0.16	0.33	–	–	0.63	-0.59	0.07	0.58	–
31160490	FT	Non-MC	1,309	0.32	0.45	0.46	0.09	–	–	0.55	-0.45	0.19	0.46	–
31160580	FT	Non-MC	1,307	0.40	0.51	0.18	0.31	–	–	0.60	-0.55	0.04	0.56	–
31160610	FT	Non-MC	1,314	0.32	0.57	0.22	0.21	–	–	0.51	-0.43	0.06	0.47	–
31160690	FT	Non-MC	1,348	0.46	0.54	0.46	–	–	–	0.44	-0.44	0.44	–	–
31160720	FT	Non-MC	1,318	0.38	0.42	0.40	0.18	–	–	0.57	-0.49	0.14	0.45	–
31160780	FT	Non-MC	1,438	0.39	0.40	0.42	0.19	–	–	0.51	-0.44	0.11	0.41	–
31160790	FT	Non-MC	1,304	0.34	0.42	0.47	0.11	–	–	0.47	-0.42	0.20	0.34	–
31160810	FT	Non-MC	1,248	0.27	0.73	0.27	–	–	–	0.56	-0.56	0.56	–	–
31160820	FT	Non-MC	1,322	0.24	0.63	0.27	0.11	–	–	0.32	-0.27	0.09	0.29	–
31160830	FT	Non-MC	1,261	0.66	0.34	0.66	–	–	–	0.55	-0.55	0.55	–	–
31160910	FT	Non-MC	1,259	0.52	0.48	0.52	–	–	–	0.58	-0.58	0.58	–	–
31160920	FT	Non-MC	1,308	0.23	0.68	0.17	0.15	–	–	0.58	-0.51	0.11	0.54	–
31160930	FT	Non-MC	1,253	0.47	0.53	0.47	–	–	–	0.53	-0.53	0.53	–	–
31160940	FT	Non-MC	1,306	0.09	0.85	0.11	0.04	–	–	0.50	-0.49	0.35	0.34	–
31161060	FT	Non-MC	1,253	0.38	0.62	0.38	–	–	–	0.56	-0.56	0.56	–	–
31161110	FT	Non-MC	1,249	0.19	0.81	0.19	–	–	–	0.49	-0.49	0.49	–	–
31161120	FT	Non-MC	1,305	0.19	0.71	0.21	0.08	–	–	0.44	-0.34	0.08	0.45	–
31161140	FT	Non-MC	1,317	0.13	0.76	0.21	0.03	–	–	0.20	-0.18	0.13	0.15	–
31161210	FT	Non-MC	1,289	0.20	0.80	0.20	–	–	–	0.33	-0.33	0.33	–	–

Mathematics Grade 7														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31161220	FT	Non-MC	1,321	0.53	0.31	0.32	0.37	–	–	0.51	-0.42	-0.07	0.47	–
31161240	FT	Non-MC	1,539	0.29	0.71	0.29	–	–	–	0.38	-0.38	0.38	–	–
31225940	FT	Non-MC	1,265	0.12	0.88	0.12	–	–	–	-0.03	0.03	-0.03	–	–
31226060	FT	Non-MC	1,307	0.10	0.82	0.16	0.02	–	–	0.50	-0.47	0.38	0.30	–
31226460	FT	Non-MC	1,263	0.05	0.95	0.05	–	–	–	0.31	-0.31	0.31	–	–
31226620	FT	Non-MC	1,307	0.32	0.59	0.18	0.23	–	–	0.49	-0.40	-0.03	0.50	–
31226940	FT	Non-MC	1,328	0.29	0.71	0.29	–	–	–	0.49	-0.49	0.49	–	–
31227410	FT	Non-MC	1,331	0.13	0.87	0.13	–	–	–	0.32	-0.32	0.32	–	–

Table F.12. Classical Item-Level Statistics—Mathematics Grade 8

Mathematics Grade 8														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31161500	HL	MC	23,177	0.57	0.57	0.18	0.22	0.03	–	0.46	0.46	-0.23	-0.25	-0.19
31161520	OP	MC	3,326	0.50	0.12	0.50	0.15	0.23	–	0.34	-0.09	0.34	-0.15	-0.22
31161550	OP	MC	108	0.44	0.44	0.23	0.18	0.15	–	0.44	0.44	-0.14	-0.24	-0.19
31161560	OP	MC	7	0.57	0.29	0.57	0.14	–	–	0.39	-0.28	0.39	-0.18	–
31161580	HL	MC	23,177	0.58	0.10	0.58	0.21	0.10	–	0.51	-0.26	0.51	-0.26	-0.23
31161650	OP	MC	120	0.51	0.18	0.51	0.19	0.13	–	0.25	-0.10	0.25	-0.19	-0.03
31161810	VL	MC	2,488	0.29	0.02	0.29	0.36	0.33	–	0.34	-0.06	0.34	-0.15	-0.16
31162060	OP	MC	39	0.28	0.46	0.28	0.18	0.08	–	0.30	-0.12	0.30	-0.12	-0.11
31162120	OP	MC	4,579	0.55	0.17	0.55	0.16	0.11	–	0.31	-0.09	0.31	-0.19	-0.15
31162170	HL	MC	23,177	0.56	0.56	0.20	0.16	0.08	–	0.47	0.47	-0.20	-0.25	-0.23
31162240	OP	MC	2,680	0.42	0.42	0.14	0.36	0.08	–	0.34	0.34	-0.16	-0.17	-0.13
31162270	HL	MC	23,177	0.75	0.75	0.09	0.03	0.12	–	0.42	0.42	-0.35	-0.22	-0.13
31162280	OP	MC	1,465	0.48	0.27	0.48	0.17	0.08	–	0.21	-0.11	0.21	-0.10	-0.07
31162310	OP	MC	218	0.48	0.05	0.48	0.29	0.18	–	0.42	-0.06	0.42	-0.29	-0.17
31162330	OP	MC	109	0.55	0.55	0.18	0.08	0.18	–	0.37	0.37	-0.17	-0.09	-0.25
31162440	OP	MC	12,852	0.64	0.08	0.64	0.21	0.07	–	0.29	-0.09	0.29	-0.24	-0.05
31162470	OP	MC	2,956	0.47	0.47	0.14	0.29	0.10	–	0.36	0.36	-0.16	-0.18	-0.14
31162600	OP	MC	6,737	0.65	0.65	0.13	0.17	0.05	–	0.40	0.40	-0.21	-0.23	-0.16
31163460	OP	MC	10,934	0.60	0.20	0.60	0.15	0.04	–	0.39	-0.21	0.39	-0.21	-0.15

Mathematics Grade 8														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31163510	OP	MC	2,386	0.48	0.48	0.22	0.15	0.14	–	0.30	0.30	-0.14	-0.13	-0.14
31167570	VL	MC	1,250	0.72	0.12	0.72	0.13	0.03	–	0.47	-0.19	0.47	-0.35	-0.21
31168430	HL	MC	23,177	0.62	0.12	0.62	0.19	0.07	–	0.48	-0.21	0.48	-0.28	-0.21
31168490	HL	MC	23,177	0.85	0.07	0.85	0.03	0.06	–	0.38	-0.24	0.38	-0.21	-0.19
31168500	OP	MC	23,177	0.67	0.24	0.67	0.07	0.02	–	0.44	-0.26	0.44	-0.28	-0.17
31170710	OP	MC	4,564	0.40	0.19	0.24	0.17	0.40	–	0.33	-0.16	-0.15	-0.09	0.33
31170730	OP	MC	4,569	0.45	0.37	0.13	0.45	0.05	–	0.34	-0.24	-0.09	0.34	-0.10
31170980	OP	MC	3,781	0.38	0.23	0.19	0.20	0.38	–	0.31	-0.09	-0.13	-0.15	0.31
31171100	OP	MC	1,748	0.47	0.15	0.29	0.47	0.10	–	0.33	-0.13	-0.19	0.33	-0.10
31171220	OP	MC	1,718	0.53	0.06	0.24	0.53	0.18	–	0.28	-0.06	-0.13	0.28	-0.18
31171270	OP	MC	2,441	0.39	0.17	0.24	0.39	0.20	–	0.27	-0.12	-0.17	0.27	-0.04
31171440	OP	MC	2,638	0.42	0.15	0.25	0.42	0.18	–	0.35	-0.11	-0.14	0.35	-0.20
31171500	OP	MC	1,490	0.53	0.24	0.15	0.53	0.08	–	0.27	-0.13	-0.20	0.27	-0.03
31171570	OP	MC	2,441	0.51	0.05	0.16	0.28	0.51	–	0.37	-0.12	-0.23	-0.16	0.37
31171580	OP	MC	118	0.58	0.22	0.11	0.08	0.58	–	0.45	-0.33	-0.11	-0.19	0.45
31171620	HL	MC	23,177	0.71	0.14	0.07	0.71	0.08	–	0.40	-0.20	-0.25	0.40	-0.18
31171670	OP	MC	3,827	0.37	0.20	0.18	0.25	0.37	–	0.32	-0.10	-0.13	-0.15	0.32
31171710	OP	MC	2,740	0.37	0.32	0.19	0.37	0.11	–	0.24	-0.04	-0.20	0.24	-0.06
31171730	HL	MC	23,177	0.69	0.09	0.09	0.13	0.69	–	0.55	-0.24	-0.28	-0.31	0.55
31171760	OP	MC	28	0.21	0.14	0.39	0.21	0.25	–	-0.13	-0.07	–	-0.13	0.18
31171790	HL	MC	23,177	0.68	0.12	0.07	0.68	0.12	–	0.41	-0.25	-0.26	0.41	-0.13
31171850	VL	MC	1,250	0.39	0.20	0.07	0.34	0.39	–	0.48	-0.15	-0.17	-0.27	0.48
31171860	HL	MC	23,177	0.64	0.12	0.06	0.64	0.18	–	0.43	-0.15	-0.25	0.43	-0.25
31171900	OP	MC	18,544	0.80	0.04	0.07	0.10	0.80	–	0.45	-0.20	-0.24	-0.28	0.45
31172010	HL	MC	23,177	0.72	0.05	0.18	0.05	0.72	–	0.36	-0.17	-0.24	-0.15	0.36
31172270	VL	MC	2,488	0.54	0.12	0.08	0.27	0.54	–	0.51	-0.31	-0.24	-0.20	0.51
31172380	VL	MC	1,250	0.72	0.07	0.07	0.72	0.14	–	0.43	-0.20	-0.22	0.43	-0.24
31173440	VL	MC	1,250	0.56	0.04	0.10	0.30	0.56	–	0.49	-0.19	-0.29	-0.27	0.49
31189310	OP	MC	3,799	0.34	0.34	0.24	0.26	0.15	–	0.35	0.35	-0.17	-0.10	-0.14
31189340	OP	MC	21	0.67	0.05	0.67	0.29	–	–	0.40	0.25	0.40	-0.53	–
31189450	OP	MC	2,237	0.42	0.14	0.42	0.28	0.16	–	0.33	-0.11	0.33	-0.27	-0.01
31189460	OP	MC	15	0.67	0.27	–	0.67	0.07	–	0.22	-0.33	–	0.22	0.17
31189480	OP	MC	308	0.50	0.22	0.50	0.14	0.15	–	0.41	-0.18	0.41	-0.20	-0.17

Mathematics Grade 8														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31189500	OP	MC	33	0.67	0.12	0.67	0.15	0.06	–	0.49	-0.29	0.49	-0.42	0.06
31189520	OP	MC	1,289	0.43	0.09	0.43	0.18	0.29	–	0.38	-0.15	0.38	-0.19	-0.16
31189600	OP	MC	1,645	0.43	0.08	0.43	0.37	0.12	–	0.33	-0.12	0.33	-0.19	-0.12
31189610	OP	MC	457	0.47	0.19	0.47	0.22	0.11	–	0.27	-0.22	0.27	-0.08	-0.04
31189640	OP	MC	6,058	0.61	0.61	0.16	0.14	0.08	–	0.41	0.41	-0.22	-0.19	-0.18
31189670	HL	MC	23,177	0.47	0.22	0.47	0.19	0.12	–	0.51	-0.29	0.51	-0.27	-0.10
31189690	OP	MC	1,863	0.46	0.19	0.46	0.16	0.19	–	0.23	-0.15	0.23	-0.18	0.02
31189740	OP	MC	78	0.44	0.27	0.15	0.44	0.14	–	0.34	-0.19	-0.10	0.34	-0.14
31189840	OP	MC	85	0.42	0.42	0.20	0.14	0.24	–	0.46	0.46	-0.14	-0.32	-0.15
31189860	OP	MC	1,333	0.39	0.20	0.11	0.31	0.39	–	0.45	-0.13	-0.20	-0.23	0.45
31189880	OP	MC	126	0.33	0.19	0.24	0.25	0.33	–	0.40	-0.06	-0.12	-0.26	0.40
31189910	OP	MC	1,029	0.51	0.11	0.18	0.51	0.20	–	0.40	-0.23	-0.18	0.40	-0.15
31189990	OP	MC	13,726	0.74	0.13	0.11	0.74	0.02	–	0.35	-0.19	-0.23	0.35	-0.12
31190010	OP	MC	1,307	0.57	0.18	0.18	0.57	0.07	–	0.34	-0.15	-0.17	0.34	-0.19
31190080	OP	MC	9,589	0.63	0.29	0.63	0.05	0.03	–	0.45	-0.35	0.45	-0.17	-0.13
31190090	OP	MC	3,303	0.44	0.34	0.10	0.44	0.11	–	0.31	-0.23	-0.12	0.31	-0.03
31190110	OP	MC	5	0.20	–	0.60	0.20	0.20	–	0.64	–	-0.61	0.11	0.64
31190140	OP	MC	29	0.52	0.07	0.24	0.52	0.17	–	0.33	-0.04	-0.44	0.33	0.09
31190160	OP	MC	242	0.57	0.57	0.19	0.19	0.05	–	0.31	0.31	-0.06	-0.26	-0.14
31190180	OP	MC	2,352	0.33	0.16	0.23	0.28	0.33	–	0.33	-0.15	-0.13	-0.10	0.33
31190260	OP	MC	2,068	0.48	0.16	0.48	0.24	0.12	–	0.33	-0.22	0.33	-0.13	-0.10
31190270	OP	MC	7,545	0.56	0.22	0.56	0.11	0.12	–	0.34	-0.12	0.34	-0.17	-0.20
31190380	OP	MC	2,731	0.42	0.28	0.42	0.17	0.13	–	0.27	-0.03	0.27	-0.18	-0.15
31190540	OP	MC	246	0.53	0.12	0.53	0.16	0.19	–	0.37	-0.19	0.37	-0.19	-0.13
31190550	OP	MC	35	0.26	0.54	0.17	0.26	0.03	–	0.36	-0.28	-0.12	0.36	0.18
31191400	VL	MC	1,250	0.68	0.17	0.68	0.08	0.08	–	0.41	-0.20	0.41	-0.23	-0.21
31191440	VL	MC	2,488	0.74	0.06	0.13	0.74	0.07	–	0.35	-0.13	-0.17	0.35	-0.25
31191460	VL	MC	1,250	0.40	0.40	0.13	0.43	0.04	–	0.26	0.26	-0.32	0.02	-0.16
31191480	OP	MC	23,177	0.69	0.12	0.69	0.12	0.07	–	0.48	-0.27	0.48	-0.29	-0.15
31191510	HL	MC	23,177	0.82	0.10	0.05	0.03	0.82	–	0.44	-0.26	-0.27	-0.17	0.44
31191520	HL	MC	23,177	0.84	0.05	0.04	0.06	0.84	–	0.42	-0.21	-0.25	-0.22	0.42
31191530	OP	MC	23,177	0.53	0.18	0.20	0.53	0.08	–	0.45	-0.19	-0.27	0.45	-0.14
31191540	OP	MC	6,256	0.52	0.14	0.22	0.52	0.12	–	0.35	-0.14	-0.21	0.35	-0.13

Mathematics Grade 8														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31191550	OP	MC	16,919	0.74	0.74	0.08	0.09	0.09	–	0.39	0.39	-0.23	-0.22	-0.16
31191570	OP	MC	11,213	0.41	0.34	0.41	0.09	0.16	–	0.40	-0.28	0.40	-0.16	-0.05
31191590	OP	MC	11,966	0.32	0.21	0.20	0.32	0.26	–	0.21	-0.09	-0.12	0.21	-0.03
31191610	OP	MC	23,177	0.90	0.90	0.04	0.03	0.03	–	0.37	0.37	-0.24	-0.17	-0.20
31191650	OP	MC	4,230	0.51	0.24	0.14	0.51	0.11	–	0.36	-0.20	-0.14	0.36	-0.14
31191660	OP	MC	2,013	0.54	0.33	0.03	0.10	0.54	–	0.28	-0.22	-0.09	-0.08	0.28
31191670	HL	MC	23,177	0.32	0.10	0.18	0.41	0.32	–	0.40	-0.17	-0.18	-0.14	0.40
31191680	OP	MC	5,753	0.50	0.50	0.36	0.03	0.11	–	0.30	0.30	-0.17	-0.12	-0.15
31191690	OP	MC	3,821	0.43	0.11	0.43	0.11	0.35	–	0.22	-0.14	0.22	-0.08	-0.08
31191710	HL	MC	23,177	0.55	0.15	0.18	0.12	0.55	–	0.59	-0.29	-0.25	-0.30	0.59
31191720	OP	MC	78	0.33	0.19	0.27	0.33	0.21	–	0.12	-0.18	0.08	0.12	-0.06
31191730	HL	MC	23,177	0.59	0.59	0.15	0.14	0.11	–	0.48	0.48	-0.23	-0.27	-0.19
31191740	HL	MC	23,177	0.53	0.53	0.26	0.11	0.10	–	0.47	0.47	-0.21	-0.26	-0.22
31191780	OP	MC	3,944	0.31	0.05	0.31	0.37	0.26	–	0.27	-0.11	0.27	-0.05	-0.17
31191810	HL	MC	23,177	0.59	0.59	0.28	0.05	0.08	–	0.58	0.58	-0.34	-0.23	-0.31
31191820	OP	MC	3,081	0.40	0.15	0.40	0.28	0.18	–	0.36	-0.10	0.36	-0.14	-0.21
31191830	OP	MC	17,829	0.74	0.05	0.07	0.74	0.14	–	0.41	-0.16	-0.23	0.41	-0.25
31191840	OP	MC	7,989	0.61	0.08	0.17	0.14	0.61	–	0.41	-0.19	-0.20	-0.22	0.41
31191860	OP	MC	15,188	0.34	0.19	0.30	0.34	0.18	–	0.29	-0.13	-0.01	0.29	-0.20
31191920	OP	MC	31	0.45	0.45	0.19	0.29	0.06	–	0.33	0.33	-0.13	0.03	-0.50
31191930	OP	MC	5,096	0.79	0.19	0.01	0.79	0.02	–	0.41	-0.39	-0.08	0.41	-0.07
31192500	OP	MC	23,177	0.11	0.64	0.11	0.21	0.04	–	-0.06	0.33	-0.06	-0.25	-0.19
31193280	VL	MC	2,488	0.76	0.04	0.08	0.12	0.76	–	0.51	-0.21	-0.25	-0.33	0.51
31193540	VL	MC	2,488	0.51	0.22	0.21	0.51	0.05	–	0.47	-0.28	-0.22	0.47	-0.14
31193610	VL	MC	1,250	0.47	0.13	0.28	0.12	0.47	–	0.36	-0.10	-0.20	-0.18	0.36
31231230	VL	MC	2,488	0.53	0.23	0.11	0.53	0.13	–	0.31	-0.14	-0.26	0.31	-0.05
31232590	HL	MC	23,177	0.45	0.45	0.12	0.38	0.05	–	0.31	0.31	-0.14	-0.16	-0.15
31159510	FT	MC	1,037	0.82	0.05	0.06	0.82	0.08	–	0.36	-0.16	-0.23	0.36	-0.20
31159570	FT	MC	1,042	0.73	0.08	0.12	0.73	0.06	–	0.40	-0.17	-0.29	0.40	-0.14
31159690	FT	MC	1,071	0.34	0.26	0.35	0.34	0.05	–	0.36	-0.18	-0.12	0.36	-0.15
31159720	FT	MC	1,067	0.76	0.06	0.15	0.03	0.76	–	0.39	-0.25	-0.18	-0.24	0.39
31159850	FT	MC	1,068	0.50	0.28	0.50	0.15	0.08	–	0.25	-0.02	0.25	-0.22	-0.16
31159870	FT	MC	1,060	0.66	0.07	0.06	0.20	0.66	–	0.42	-0.10	-0.23	-0.29	0.42

Mathematics Grade 8														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31159960	FT	MC	1,247	0.24	0.36	0.35	0.24	0.06	–	0.27	0.07	-0.29	0.27	-0.04
31160030	FT	MC	1,138	0.72	0.09	0.09	0.09	0.72	–	0.42	-0.23	-0.20	-0.22	0.42
31160120	FT	MC	1,055	0.52	0.04	0.30	0.52	0.14	–	0.40	-0.19	-0.24	0.40	-0.16
31160210	FT	MC	1,060	0.32	0.21	0.23	0.24	0.32	–	0.30	-0.03	-0.10	-0.19	0.30
31160240	FT	MC	1,041	0.20	0.34	0.17	0.29	0.20	–	0.19	0.08	-0.18	-0.10	0.19
31160320	FT	MC	1,057	0.60	0.07	0.60	0.19	0.14	–	0.39	-0.12	0.39	-0.14	-0.31
31160440	FT	MC	1,225	0.36	0.10	0.49	0.36	0.05	–	0.40	-0.24	-0.19	0.40	-0.13
31160450	FT	MC	1,061	0.30	0.43	0.30	0.21	0.06	–	0.01	0.04	0.01	-0.02	-0.06
31160460	FT	MC	1,055	0.67	0.15	0.15	0.67	0.03	–	0.45	-0.23	-0.26	0.45	-0.18
31160540	FT	MC	1,040	0.83	0.11	0.83	0.05	0.01	–	0.34	-0.20	0.34	-0.24	-0.14
31160570	FT	MC	1,203	0.76	0.76	0.08	0.11	0.05	–	0.45	0.45	-0.20	-0.33	-0.16
31160660	FT	MC	1,041	0.45	0.45	0.21	0.22	0.13	–	0.44	0.44	-0.20	-0.20	-0.18
31160730	FT	MC	1,052	0.75	0.75	0.12	0.07	0.05	–	0.46	0.46	-0.26	-0.26	-0.20
31160760	FT	MC	1,057	0.59	0.29	0.59	0.08	0.04	–	0.45	-0.24	0.45	-0.29	-0.18
31160870	FT	MC	1,060	0.42	0.27	0.19	0.42	0.13	–	0.26	-0.10	-0.17	0.26	-0.06
31160970	FT	MC	1,055	0.47	0.11	0.17	0.25	0.47	–	0.54	-0.25	-0.28	-0.21	0.54
31160990	FT	MC	1,055	0.45	0.45	0.18	0.13	0.23	–	0.34	0.34	-0.23	-0.21	-0.02
31161010	FT	MC	1,061	0.43	0.16	0.32	0.43	0.10	–	0.46	-0.21	-0.16	0.46	-0.25
31161020	FT	MC	1,058	0.68	0.68	0.11	0.09	0.12	–	0.46	0.46	-0.25	-0.24	-0.21
31161070	FT	MC	1,206	0.47	0.24	0.20	0.47	0.09	–	0.35	-0.15	-0.21	0.35	-0.09
31161150	FT	MC	1,055	0.50	0.25	0.22	0.50	0.04	–	0.28	-0.01	-0.26	0.28	-0.15
31161180	FT	MC	1,047	0.69	0.20	0.06	0.06	0.69	–	0.44	-0.28	-0.24	-0.16	0.44
31161310	FT	MC	1,043	0.29	0.26	0.28	0.17	0.29	–	0.44	-0.10	-0.15	-0.24	0.44
31227830	FT	MC	1,060	0.80	0.02	0.15	0.03	0.80	–	0.27	-0.15	-0.14	-0.22	0.27
31228140	FT	MC	1,083	0.60	0.60	0.19	0.09	0.12	–	0.51	0.51	-0.29	-0.24	-0.21
31228440	FT	MC	1,073	0.89	0.89	0.06	0.02	0.03	–	0.31	0.31	-0.23	-0.11	-0.17
31228520	FT	MC	1,068	0.65	0.08	0.12	0.65	0.15	–	0.34	-0.18	-0.29	0.34	-0.06
31228850	FT	MC	1,144	0.38	0.11	0.38	0.42	0.08	–	0.15	-0.19	0.15	0.04	-0.12
31229000	FT	MC	1,042	0.55	0.08	0.12	0.55	0.25	–	0.40	-0.12	-0.17	0.40	-0.26
31229140	FT	MC	1,042	0.35	0.35	0.20	0.38	0.07	–	0.33	0.33	-0.26	-0.03	-0.14
31229270	FT	MC	1,041	0.37	0.37	0.24	0.27	0.13	–	0.47	0.47	-0.14	-0.25	-0.18
31229330	FT	MC	1,073	0.44	0.27	0.17	0.12	0.44	–	0.48	-0.18	-0.17	-0.29	0.48
31229590	FT	MC	1,047	0.31	0.31	0.18	0.31	0.20	–	0.32	0.32	-0.16	-0.05	-0.15

Mathematics Grade 8														
					P-Value by Answer Choice/Score Point						Pt. Biserial by Answer Choice/Score Point			
Item ID	Item Status	Item Type	N	*P*-Value	A/0	B/1	C/2	D	%Omit	Pt. Biserial	A/0	B/1	C/2	D
31229830	FT	MC	1,053	0.64	0.10	0.64	0.18	0.08	–	0.49	-0.08	0.49	-0.34	-0.31
31229950	FT	MC	1,133	0.26	0.26	0.33	0.15	0.26	–	0.39	0.02	-0.20	-0.24	0.39
31159770	OPFT	Non-MC	23,177	0.34	0.52	0.29	0.19	–	–	0.46	-0.38	0.05	0.43	–
31159860	OPFT	Non-MC	23,177	0.45	0.41	0.27	0.32	–	–	0.63	-0.55	–	0.58	–
31160230	OPFT	Non-MC	23,177	0.48	0.29	0.46	0.25	–	–	0.50	-0.39	-0.02	0.43	–
31238390	HL	Non-MC	23,177	0.61	0.23	0.31	0.46	–	–	0.64	-0.48	-0.24	0.63	–
31238420	VL	Non-MC	2,488	0.52	0.32	0.30	0.37	–	–	0.56	-0.46	-0.08	0.52	–
31159560	FT	Non-MC	1,129	0.52	0.48	0.52	–	–	–	0.40	-0.40	0.40	–	–
31159580	FT	Non-MC	2,022	0.33	0.46	0.41	0.12	–	–	0.46	-0.37	0.11	0.40	–
31159710	FT	Non-MC	2,071	0.44	0.49	0.13	0.37	–	–	0.56	-0.47	-0.15	0.59	–
31159730	FT	Non-MC	1,066	0.39	0.61	0.39	–	–	–	0.46	-0.46	0.46	–	–
31159740	FT	Non-MC	2,069	0.74	0.12	0.28	0.60	–	–	0.49	-0.36	-0.25	0.47	–
31159750	FT	Non-MC	1,065	0.57	0.43	0.57	–	–	–	0.52	-0.52	0.52	–	–
31159760	FT	Non-MC	1,058	0.61	0.39	0.61	–	–	–	0.54	-0.54	0.54	–	–
31159780	FT	Non-MC	2,052	0.43	0.38	0.37	0.25	–	–	0.47	-0.33	-0.09	0.47	–
31159840	FT	Non-MC	1,071	0.63	0.37	0.63	–	–	–	0.51	-0.51	0.51	–	–
31159880	FT	Non-MC	1,054	0.39	0.61	0.39	–	–	–	0.49	-0.49	0.49	–	–
31159940	FT	Non-MC	1,059	0.23	0.77	0.23	–	–	–	0.55	-0.55	0.55	–	–
31159970	FT	Non-MC	1,227	0.09	0.91	0.09	–	–	–	0.42	-0.42	0.42	–	–
31160020	FT	Non-MC	1,063	0.37	0.64	0.37	–	–	–	0.46	-0.46	0.46	–	–
31160040	FT	Non-MC	2,030	0.51	0.31	0.36	0.33	–	–	0.59	-0.48	-0.05	0.52	–
31160100	FT	Non-MC	1,061	0.35	0.65	0.35	–	–	–	0.51	-0.51	0.51	–	–
31160110	FT	Non-MC	1,044	0.16	0.84	0.16	–	–	–	0.41	-0.41	0.41	–	–
31160130	FT	Non-MC	1,059	0.39	0.61	0.39	–	–	–	0.62	-0.62	0.62	–	–
31160140	FT	Non-MC	2,037	0.32	0.64	0.08	0.28	–	–	0.62	-0.60	0.08	0.59	–
31160200	FT	Non-MC	2,077	0.58	0.19	0.47	0.35	–	–	0.54	-0.44	-0.09	0.45	–
31160220	FT	Non-MC	1,054	0.19	0.81	0.19	–	–	–	0.22	-0.22	0.22	–	–
31160300	FT	Non-MC	1,230	0.50	0.50	0.50	–	–	–	0.55	-0.55	0.55	–	–
31160330	FT	Non-MC	1,037	0.43	0.57	0.43	–	–	–	0.50	-0.50	0.50	–	–
31160340	FT	Non-MC	2,039	0.49	0.22	0.58	0.20	–	–	0.58	-0.45	-0.01	0.48	–
31160410	FT	Non-MC	1,050	0.30	0.70	0.30	–	–	–	0.39	-0.39	0.39	–	–
31160470	FT	Non-MC	2,081	0.30	0.51	0.39	0.10	–	–	0.41	-0.32	0.09	0.38	–
31160530	FT	Non-MC	1,060	0.52	0.48	0.52	–	–	–	0.51	-0.51	0.51	–	–

Mathematics Grade 8														
Item ID	Item Status	Item Type	N	*P*-Value	*P*-Value by Answer Choice/Score Point				%Omit	Pt. Biserial	Pt. Biserial by Answer Choice/Score Point			
					A/0	B/1	C/2	D			A/0	B/1	C/2	D
31160550	FT	Non-MC	2,039	0.32	0.41	0.54	0.05	–	–	0.43	-0.38	0.25	0.29	–
31160560	FT	Non-MC	1,057	0.63	0.37	0.63	–	–	–	0.43	-0.43	0.43	–	–
31160650	FT	Non-MC	1,053	0.41	0.59	0.41	–	–	–	0.56	-0.56	0.56	–	–
31160740	FT	Non-MC	1,040	0.48	0.52	0.48	–	–	–	0.54	-0.54	0.54	–	–
31160750	FT	Non-MC	1,035	0.56	0.44	0.56	–	–	–	0.51	-0.51	0.51	–	–
31160770	FT	Non-MC	1,048	0.61	0.40	0.61	–	–	–	0.55	-0.55	0.55	–	–
31160840	FT	Non-MC	1,103	0.26	0.74	0.26	–	–	–	0.58	-0.58	0.58	–	–
31160880	FT	Non-MC	1,057	0.40	0.60	0.40	–	–	–	0.37	-0.37	0.37	–	–
31160980	FT	Non-MC	1,053	0.48	0.52	0.48	–	–	–	0.43	-0.43	0.43	–	–
31161000	FT	Non-MC	1,032	0.26	0.74	0.26	–	–	–	0.49	-0.49	0.49	–	–
31161080	FT	Non-MC	2,109	0.35	0.48	0.35	0.17	–	–	0.58	-0.43	–	0.57	–
31161160	FT	Non-MC	1,060	0.08	0.92	0.08	–	–	–	0.34	-0.34	0.34	–	–
31161170	FT	Non-MC	2,072	0.41	0.43	0.31	0.26	–	–	0.47	-0.38	–	0.44	–
31161290	FT	Non-MC	1,093	0.37	0.63	0.37	–	–	–	0.43	-0.43	0.43	–	–
31161300	FT	Non-MC	1,129	0.38	0.62	0.38	–	–	–	0.45	-0.45	0.45	–	–
31227870	FT	Non-MC	2,073	0.31	0.47	0.44	0.09	–	–	0.43	-0.38	0.19	0.32	–
31228630	FT	Non-MC	1,077	0.68	0.32	0.68	–	–	–	0.40	-0.40	0.40	–	–
31229720	FT	Non-MC	1,042	0.55	0.45	0.55	–	–	–	0.46	-0.46	0.46	–	–
31229860	FT	Non-MC	1,172	0.22	0.78	0.22	–	–	–	0.26	-0.26	0.26	–	–

Table F.13. Classical Item-Level Statistics—Science Grade 5

Science Grade 5														
Item ID	Item Status	Item Type	N	*P*-Value	*P*-Value by Answer Choice				%Omit	Pt. Biserial	Pt. Biserial by Answer Choice			
					A	B	C	D			A	B	C	D
31170080	OP	MC	22,251	0.42	0.42	0.19	0.21	0.18	–	0.35	0.35	-0.13	-0.16	-0.15
41140860	OP	MC	22,251	0.77	0.77	0.11	0.07	0.05	–	0.33	0.33	-0.19	-0.19	-0.14
41140890	OP	MC	22,251	0.43	0.18	0.43	0.19	0.20	–	0.21	-0.08	0.21	-0.14	-0.05
41141060	OP	MC	22,251	0.60	0.10	0.60	0.22	0.08	–	0.38	-0.12	0.38	-0.26	-0.15
41141070	OP	MC	22,251	0.63	0.63	0.06	0.28	0.03	–	0.35	0.35	-0.20	-0.21	-0.17
41141090	OP	MC	22,251	0.71	0.71	0.16	0.06	0.07	–	0.50	0.50	-0.27	-0.28	-0.24
41141240	OP	MC	22,251	0.62	0.62	0.11	0.11	0.16	–	0.42	0.42	-0.20	-0.22	-0.20
41141300	OP	MC	22,251	0.72	0.05	0.72	0.12	0.12	–	0.47	-0.24	0.47	-0.28	-0.22

Science Grade 5														
					P-Value by Answer Choice						Pt. Biserial by Answer Choice			
Item ID	Item Status	Item Type	N	*P*-Value	A	B	C	D	%Omit	Pt. Biserial	A	B	C	D
41141340	OP	MC	22,251	0.76	0.76	0.05	0.14	0.05	–	0.32	0.32	-0.18	-0.15	-0.21
41141350	OP	MC	22,251	0.69	0.15	0.69	0.06	0.10	–	0.41	-0.16	0.41	-0.24	-0.24
41141440	OP	MC	22,251	0.69	0.10	0.69	0.06	0.15	–	0.32	-0.19	0.32	-0.17	-0.15
41141470	OP	MC	22,251	0.64	0.04	0.64	0.04	0.28	–	0.35	-0.18	0.35	-0.17	-0.22
41141570	OP	MC	22,251	0.82	0.82	0.10	0.01	0.06	–	0.40	0.40	-0.27	-0.16	-0.22
41141630	OP	MC	22,251	0.88	0.04	0.88	0.04	0.05	–	0.33	-0.20	0.33	-0.20	-0.15
41141640	OP	MC	22,251	0.37	0.37	0.19	0.16	0.28	–	0.23	0.23	-0.06	-0.21	-0.02
41141670	OP	MC	22,251	0.67	0.67	0.09	0.10	0.14	–	0.47	0.47	-0.30	-0.14	-0.27
41141730	OP	MC	22,251	0.77	0.77	0.07	0.08	0.08	–	0.45	0.45	-0.23	-0.23	-0.24
41141750	OP	MC	22,251	0.75	0.07	0.75	0.08	0.10	–	0.46	-0.21	0.46	-0.27	-0.24
41141770	OP	MC	22,251	0.81	0.81	0.06	0.02	0.12	–	0.43	0.43	-0.22	-0.17	-0.30
41141800	OP	MC	22,251	0.81	0.04	0.81	0.09	0.06	–	0.41	-0.22	0.41	-0.24	-0.21
41141820	OP	MC	22,251	0.79	0.79	0.10	0.04	0.07	–	0.40	0.40	-0.33	-0.12	-0.15
41141830	OP	MC	22,251	0.87	0.87	0.03	0.06	0.05	–	0.44	0.44	-0.22	-0.25	-0.25
41141850	OP	MC	22,251	0.73	0.21	0.73	0.02	0.04	–	0.31	-0.16	0.31	-0.19	-0.23
41141870	OP	MC	22,251	0.60	0.20	0.60	0.11	0.10	–	0.24	-0.07	0.24	-0.15	-0.15
41141930	OP	MC	22,251	0.79	0.79	0.05	0.12	0.04	–	0.47	0.47	-0.23	-0.29	-0.24
41143660	OP	MC	22,251	0.50	0.21	0.12	0.50	0.17	–	0.42	-0.23	-0.21	0.42	-0.13
41143690	OP	MC	22,251	0.52	0.29	0.09	0.52	0.10	–	0.38	-0.14	-0.29	0.38	-0.15
41143720	OP	MC	22,251	0.49	0.09	0.29	0.49	0.14	–	0.36	-0.21	-0.02	0.36	-0.32
41143750	OP	MC	22,251	0.60	0.22	0.08	0.10	0.60	–	0.36	-0.11	-0.20	-0.25	0.36
41143850	OP	MC	22,251	0.58	0.22	0.14	0.06	0.58	–	0.38	-0.17	-0.18	-0.24	0.38
41143990	OP	MC	22,251	0.60	0.16	0.11	0.13	0.60	–	0.30	-0.21	-0.13	-0.08	0.30
41144190	OP	MC	22,251	0.78	0.10	0.05	0.07	0.78	–	0.41	-0.27	-0.20	-0.17	0.41
41144220	OP	MC	22,251	0.74	0.09	0.07	0.11	0.74	–	0.50	-0.27	-0.20	-0.29	0.50
41144260	OP	MC	22,251	0.65	0.25	0.06	0.04	0.65	–	0.32	-0.15	-0.22	-0.18	0.32
41144270	OP	MC	22,251	0.52	0.07	0.15	0.25	0.52	–	0.56	-0.20	-0.27	-0.29	0.56
41144290	OP	MC	22,251	0.65	0.07	0.17	0.65	0.11	–	0.39	-0.24	-0.21	0.39	-0.15
41144300	OP	MC	22,251	0.50	0.15	0.26	0.50	0.09	–	0.37	-0.18	-0.14	0.37	-0.22
41144310	OP	MC	22,251	0.72	0.04	0.16	0.07	0.72	–	0.51	-0.23	-0.34	-0.21	0.51
41144320	OP	MC	22,251	0.75	0.13	0.04	0.08	0.75	–	0.39	-0.17	-0.23	-0.25	0.39
41144390	OP	MC	22,251	0.44	0.10	0.28	0.44	0.19	–	0.28	-0.17	-0.05	0.28	-0.18
41144580	OP	MC	22,251	0.70	0.10	0.05	0.70	0.15	–	0.47	-0.25	-0.25	0.47	-0.25

Science Grade 5														
Item ID	Item Status	Item Type	N	*P*-Value	*P*-Value by Answer Choice				%Omit	Pt. Biserial	Pt. Biserial by Answer Choice			
					A	B	C	D			A	B	C	D
41144620	OP	MC	22,251	0.75	0.01	0.23	0.02	0.75	–	0.25	-0.11	-0.19	-0.14	0.25
41144640	OP	MC	22,251	0.75	0.02	0.02	0.21	0.75	–	0.45	-0.18	-0.22	-0.34	0.45
41144700	OP	MC	22,251	0.60	0.11	0.12	0.60	0.17	–	0.40	-0.18	-0.21	0.40	-0.20
41144750	OP	MC	22,251	0.75	0.12	0.07	0.75	0.06	–	0.42	-0.23	-0.23	0.42	-0.20
41153630	OP	MC	22,251	0.58	0.58	0.26	0.08	0.08	–	0.41	0.41	-0.24	-0.18	-0.17
41153640	OP	MC	22,251	0.52	0.12	0.52	0.23	0.13	–	0.45	-0.22	0.45	-0.21	-0.20
41153650	OP	MC	22,251	0.67	0.11	0.08	0.67	0.13	–	0.50	-0.28	-0.17	0.50	-0.29
41153690	OP	MC	22,251	0.79	0.79	0.04	0.10	0.07	–	0.28	0.28	-0.15	-0.16	-0.14
41155220	OP	MC	22,251	0.54	0.54	0.12	0.07	0.28	–	0.38	0.38	-0.20	0.01	-0.29

Table F.14. Classical Item-Level Statistics—Science Grade 8

Science Grade 8														
Item ID	Item Status	Item Type	N	*P*-Value	*P*-Value by Answer Choice				%Omit	Pt. Biserial	Pt. Biserial by Answer Choice			
					A	B	C	D			A	B	C	D
31161410	OP	MC	23,190	0.80	0.80	0.04	0.13	0.04	–	0.31	0.31	-0.20	-0.15	-0.20
31161430	OP	MC	23,190	0.58	0.18	0.58	0.16	0.08	–	0.54	-0.33	0.54	-0.18	-0.29
31161950	OP	MC	23,190	0.81	0.03	0.81	0.11	0.05	–	0.42	-0.21	0.42	-0.25	-0.22
31162350	OP	MC	23,190	0.69	0.69	0.11	0.09	0.12	–	0.42	0.42	-0.26	-0.24	-0.15
31163580	OP	MC	23,190	0.82	0.82	0.05	0.07	0.06	–	0.42	0.42	-0.24	-0.23	-0.21
31163950	OP	MC	23,190	0.68	0.68	0.20	0.08	0.04	–	0.37	0.37	-0.18	-0.18	-0.27
31171230	OP	MC	23,190	0.47	0.09	0.20	0.47	0.25	–	0.31	-0.17	-0.17	0.31	-0.09
41139480	OP	MC	23,190	0.53	0.14	0.53	0.10	0.23	–	0.38	-0.17	0.38	-0.19	-0.17
41139540	OP	MC	23,190	0.56	0.56	0.12	0.24	0.08	–	0.48	0.48	-0.27	-0.25	-0.18
41139630	OP	MC	23,190	0.46	0.46	0.06	0.26	0.21	–	0.33	0.33	-0.19	-0.19	-0.09
41139680	OP	MC	23,190	0.46	0.37	0.46	0.04	0.14	–	0.34	-0.15	0.34	-0.19	-0.17
41139710	OP	MC	23,190	0.72	0.72	0.09	0.08	0.12	–	0.44	0.44	-0.25	-0.28	-0.16
41139720	OP	MC	23,190	0.84	0.07	0.84	0.03	0.06	–	0.33	-0.16	0.33	-0.19	-0.20
41139750	OP	MC	23,190	0.48	0.17	0.48	0.20	0.15	–	0.39	-0.23	0.39	-0.13	-0.15
41139770	OP	MC	23,190	0.69	0.10	0.69	0.16	0.05	–	0.40	-0.19	0.40	-0.25	-0.18
41139780	OP	MC	23,190	0.53	0.32	0.53	0.11	0.05	–	0.28	-0.08	0.28	-0.24	-0.14
41139810	OP	MC	23,190	0.84	0.05	0.84	0.04	0.06	–	0.40	-0.23	0.40	-0.25	-0.18
41139820	OP	MC	23,190	0.59	0.12	0.59	0.13	0.16	–	0.45	-0.17	0.45	-0.29	-0.19

Science Grade 8														
					P-Value by Answer Choice						Pt. Biserial by Answer Choice			
Item ID	Item Status	Item Type	N	*P*-Value	A	B	C	D	%Omit	Pt. Biserial	A	B	C	D
41139840	OP	MC	23,190	0.82	0.82	0.11	0.05	0.03	–	0.36	0.36	-0.18	-0.25	-0.19
41139870	OP	MC	23,190	0.62	0.23	0.62	0.07	0.08	–	0.41	-0.21	0.41	-0.14	-0.27
41139890	OP	MC	23,190	0.59	0.59	0.13	0.15	0.13	–	0.39	0.39	-0.17	-0.22	-0.17
41140220	OP	MC	23,190	0.67	0.15	0.67	0.11	0.07	–	0.48	-0.23	0.48	-0.27	-0.22
41140230	OP	MC	23,190	0.78	0.11	0.78	0.07	0.04	–	0.37	-0.20	0.37	-0.20	-0.20
41140240	OP	MC	23,190	0.75	0.75	0.04	0.08	0.13	–	0.43	0.43	-0.22	-0.22	-0.25
41140270	OP	MC	23,190	0.83	0.11	0.83	0.02	0.03	–	0.31	-0.19	0.31	-0.18	-0.17
41140460	OP	MC	23,190	0.78	0.02	0.78	0.02	0.18	–	0.39	-0.19	0.39	-0.16	-0.29
41140490	OP	MC	23,190	0.69	0.08	0.69	0.18	0.05	–	0.37	-0.12	0.37	-0.23	-0.23
41140500	OP	MC	23,190	0.59	0.12	0.59	0.13	0.17	–	0.42	-0.26	0.42	-0.11	-0.24
41140510	OP	MC	23,190	0.51	0.51	0.13	0.19	0.17	–	0.45	0.45	-0.19	-0.33	-0.08
41140520	OP	MC	23,190	0.55	0.12	0.55	0.17	0.16	–	0.48	-0.21	0.48	-0.27	-0.18
41140530	OP	MC	23,190	0.74	0.74	0.08	0.12	0.06	–	0.45	0.45	-0.24	-0.29	-0.16
41140540	OP	MC	23,190	0.64	0.11	0.64	0.13	0.12	–	0.32	-0.14	0.32	-0.24	-0.10
41140550	OP	MC	23,190	0.55	0.08	0.55	0.15	0.21	–	0.43	-0.17	0.43	-0.24	-0.20
41140560	OP	MC	23,190	0.66	0.66	0.11	0.19	0.03	–	0.40	0.40	-0.10	-0.33	-0.15
41142110	OP	MC	23,190	0.55	0.17	0.13	0.55	0.15	–	0.36	-0.12	-0.19	0.36	-0.20
41142150	OP	MC	23,190	0.52	0.25	0.15	0.52	0.09	–	0.48	-0.34	-0.17	0.48	-0.12
41142180	OP	MC	23,190	0.43	0.13	0.11	0.43	0.33	–	0.39	-0.18	-0.22	0.39	-0.14
41142230	OP	MC	23,190	0.78	0.09	0.09	0.78	0.04	–	0.44	-0.24	-0.25	0.44	-0.21
41142270	OP	MC	23,190	0.60	0.25	0.07	0.60	0.08	–	0.45	-0.27	-0.25	0.45	-0.13
41142320	OP	MC	23,190	0.62	0.19	0.14	0.62	0.05	–	0.36	-0.24	-0.12	0.36	-0.18
41142460	OP	MC	23,190	0.78	0.05	0.05	0.78	0.12	–	0.21	-0.12	-0.06	0.21	-0.14
41142500	OP	MC	23,190	0.67	0.02	0.25	0.06	0.67	–	0.50	-0.18	-0.31	-0.30	0.50
41142530	OP	MC	23,190	0.68	0.05	0.09	0.18	0.68	–	0.50	-0.23	-0.25	-0.29	0.50
41142580	OP	MC	23,190	0.43	0.34	0.17	0.43	0.06	–	0.33	-0.08	-0.19	0.33	-0.21
41142600	OP	MC	23,190	0.65	0.04	0.07	0.65	0.24	–	0.47	-0.19	-0.23	0.47	-0.30
41142660	OP	MC	23,190	0.50	0.21	0.13	0.16	0.50	–	0.41	-0.20	-0.15	-0.20	0.41
41142750	OP	MC	23,190	0.83	0.02	0.02	0.83	0.13	–	0.43	-0.20	-0.20	0.43	-0.31
41142770	OP	MC	23,190	0.72	0.05	0.18	0.05	0.72	–	0.47	-0.21	-0.29	-0.25	0.47
41142840	OP	MC	23,190	0.57	0.22	0.12	0.57	0.09	–	0.44	-0.21	-0.18	0.44	-0.24
41142860	OP	MC	23,190	0.74	0.14	0.05	0.07	0.74	–	0.37	-0.22	-0.21	-0.15	0.37
41143040	OP	MC	23,190	0.38	0.07	0.50	0.04	0.38	–	0.28	-0.18	-0.08	-0.23	0.28

Science Grade 8														
Item ID	Item Status	Item Type	N	*P*-Value	*P*-Value by Answer Choice				%Omit	Pt. Biserial	Pt. Biserial by Answer Choice			
					A	B	C	D			A	B	C	D
41143050	OP	MC	23,190	0.70	0.10	0.10	0.70	0.10	–	0.39	-0.15	-0.14	0.39	-0.31
41143070	OP	MC	23,190	0.65	0.09	0.12	0.15	0.65	–	0.46	-0.13	-0.23	-0.31	0.46
41143080	OP	MC	23,190	0.56	0.15	0.07	0.56	0.22	–	0.38	-0.23	-0.20	0.38	-0.14
41143120	OP	MC	23,190	0.52	0.32	0.09	0.52	0.07	–	0.31	-0.13	-0.19	0.31	-0.17
41143140	OP	MC	23,190	0.58	0.06	0.15	0.22	0.58	–	0.37	-0.19	-0.25	-0.13	0.37
41143360	OP	MC	23,190	0.70	0.09	0.15	0.70	0.07	–	0.50	-0.23	-0.29	0.50	-0.24
41143450	OP	MC	23,190	0.68	0.04	0.19	0.68	0.09	–	0.48	-0.21	-0.28	0.48	-0.25
41151880	OP	MC	23,190	0.66	0.14	0.11	0.10	0.66	–	0.42	-0.17	-0.24	-0.22	0.42
41153680	OP	MC	23,190	0.75	0.07	0.13	0.05	0.75	–	0.41	-0.26	-0.15	-0.27	0.41

Appendix G: Summary *P*-Values by Item Type

Table G.1. Summary *P*-Values by Item Type—Operational Items

Operational Items																
							#Items by *P*-Value Range									
Grade	Item Type	#Items	Mean	SD	Min.	Max.	≤ 0.1	≤ 0.2	≤ 0.3	≤ 0.4	≤ 0.5	≤ 0.6	≤ 0.7	≤ 0.8	≤ 0.9	> 0.9
ELA																
3	Choice	207	0.443	0.189	0.000	1.000	9	4	23	49	58	39	13	2	1	9
	Choice Multiple	3	0.392	0.217	0.153	0.576	–	1	–	–	1	1	–	–	–	–
	Composite	12	0.331	0.096	0.197	0.487	–	1	4	4	3	–	–	–	–	–
	Hot Text	1	0.457	–	0.457	0.457	–	–	–	–	1	–	–	–	–	–
4	Choice	354	0.460	0.205	0.000	1.000	16	10	32	92	81	54	33	10	11	15
	Choice Multiple	8	0.475	0.124	0.295	0.701	–	–	1	1	3	2	–	1	–	–
	Composite	17	0.449	0.084	0.276	0.570	–	–	1	5	7	4	–	–	–	–
	Hot Text	2	0.428	0.037	0.402	0.454	–	–	–	–	2	–	–	–	–	–
5	Choice	190	0.486	0.201	0.000	1.000	9	4	12	31	47	37	25	17	1	7
	Choice Multiple	10	0.515	0.089	0.381	0.625	–	–	–	1	3	3	3	–	–	–
	Composite	16	0.414	0.057	0.303	0.531	–	–	–	6	9	1	–	–	–	–
6	Choice	240	0.448	0.223	0.000	1.000	21	7	19	49	57	40	22	10	5	10
	Choice Multiple	10	0.559	0.081	0.435	0.665	–	–	–	–	3	3	4	–	–	–
	Composite	13	0.434	0.140	0.184	0.741	–	1	1	2	5	3	–	1	–	–
7	Choice	133	0.504	0.163	0.000	1.000	1	3	9	20	37	31	16	11	4	1
	Choice Multiple	7	0.552	0.101	0.379	0.701	–	–	–	1	1	3	1	1	–	–
	Composite	11	0.489	0.079	0.383	0.679	–	–	–	1	6	3	1	–	–	–
8	Choice	178	0.506	0.224	0.000	1.000	6	8	11	28	49	26	19	11	7	13
	Choice Multiple	10	0.555	0.138	0.385	0.797	–	–	–	1	3	3	–	3	–	–
	Composite	12	0.424	0.179	0.110	0.666	–	2	2	1	2	3	2	–	–	–

Operational Items																
							#Items by *P*-Value Range									
Grade	Item Type	#Items	Mean	SD	Min.	Max.	≤ 0.1	≤ 0.2	≤ 0.3	≤ 0.4	≤ 0.5	≤ 0.6	≤ 0.7	≤ 0.8	≤ 0.9	> 0.9
Mathematics																
3	Choice	226	0.506	0.122	0.200	0.979	–	1	6	28	84	68	19	16	3	1
	Choice Multiple	1	0.615	–	0.615	0.615	–	–	–	–	–	–	1	–	–	–
	Composite	2	0.645	0.045	0.613	0.676	–	–	–	–	–	–	2	–	–	–
	Hot Text	1	0.360	–	0.360	0.360	–	–	–	1	–	–	–	–	–	–
4	Choice	126	0.530	0.157	0.126	0.893	–	2	2	21	37	24	19	13	8	–
	Composite	3	0.556	0.12	0.422	0.653	–	–	–	–	1	1	1	–	–	–
	Hot Text	1	0.442	–	0.442	0.442	–	–	–	–	1	–	–	–	–	–
5	Choice	183	0.543	0.160	0.118	1.00	–	4	4	23	46	49	25	18	11	3
	Choice Multiple	2	0.238	0.027	0.219	0.257	–	–	2	–	–	–	–	–	–	–
	Composite	3	0.626	0.208	0.493	0.866	–	–	–	–	1	1	–	–	1	–
	Hot Text	1	0.452	–	0.452	0.452	–	–	–	–	1	–	–	–	–	–
6	Choice	268	0.497	0.137	0.179	0.896	–	1	12	52	86	58	31	22	6	–
	Choice Multiple	5	0.351	0.157	0.128	0.492	–	1	1	1	2	–	–	–	–	–
	Composite	2	0.494	0.221	0.338	0.650	–	–	–	1	–	–	1	–	–	–
7	Choice	172	0.507	0.130	0.181	0.917	–	1	5	21	76	32	21	11	4	1
	Choice Multiple	6	0.381	0.147	0.183	0.597	–	1	1	2	1	1	–	–	–	–
	Composite	1	0.309	–	0.309	0.309	–	–	–	1	–	–	–	–	–	–
	Hot Text	1	0.496	–	0.496	0.496	–	–	–	–	1	–	–	–	–	–
8	Choice	112	0.525	0.151	0.106	0.900	–	2	4	16	28	30	16	12	4	–
	Choice Multiple	2	0.487	0.051	0.451	0.523	–	–	–	–	1	1	–	–	–	–
	Composite	3	0.478	0.137	0.339	0.613	–	–	–	1	1	–	1	–	–	–
Science																
5	Choice	50	0.660	0.124	0.367	0.879	–	–	–	1	5	9	12	18	5	–
8	Choice	60	0.642	0.120	0.382	0.839	–	–	–	1	6	17	18	11	7	–

Table G.2. Summary *P*-Values by Item Type—Field Test Items

Field Test Items																
							#Items by *P*-Value Range									
Grade	Item Type	#Items	Mean	SD	Min.	Max.	≤ 0.1	≤ 0.2	≤ 0.3	≤ 0.4	≤ 0.5	≤ 0.6	≤ 0.7	≤ 0.8	≤ 0.9	> 0.9
ELA																
3	Choice	56	0.527	0.168	0.235	0.910	–	–	6	10	8	12	12	5	2	1
	Choice Multiple	15	0.448	0.142	0.213	0.656	–	–	3	3	4	2	3	–	–	–
	Composite	18	0.426	0.151	0.178	0.702	–	2	1	7	2	3	2	1	–	–
	Gap Match	15	0.370	0.200	0.006	0.805	1	3	3	1	4	2	–	–	1	–
	Hot Text	7	0.401	0.201	0.054	0.609	1	–	1	–	3	1	1	–	–	–
4	Choice	60	0.507	0.156	0.076	0.850	1	–	5	6	13	20	8	6	1	–
	Choice Multiple	17	0.538	0.177	0.158	0.849	–	1	1	1	4	4	2	3	1	–
	Composite	11	0.424	0.140	0.267	0.679	–	–	2	4	2	1	2	–	–	–
	Gap Match	10	0.355	0.145	0.192	0.602	–	2	2	2	2	1	1	–	–	–
	Hot Text	4	0.442	0.280	0.152	0.771	–	1	1	–	–	1	–	1	–	–
5	Choice	63	0.538	0.169	0.194	0.873	–	1	5	9	13	9	12	12	2	–
	Choice Multiple	14	0.456	0.198	0.108	0.750	–	3	–	1	2	5	2	1	–	–
	Composite	11	0.444	0.067	0.324	0.537	–	–	–	3	6	2	–	–	–	–
	Gap Match	14	0.331	0.247	0.030	0.678	3	3	1	1	1	2	3	–	–	–
	Hot Text	3	0.557	0.401	0.098	0.843	1	–	–	–	–	–	–	1	1	–
6	Choice	56	0.592	0.151	0.209	0.861	–	–	3	6	4	14	17	8	4	–
	Choice Multiple	11	0.336	0.152	0.053	0.597	1	2	–	3	4	1	–	–	–	–
	Composite	14	0.450	0.152	0.101	0.697	–	1	1	2	6	1	3	–	–	–
	Gap Match	10	0.570	0.215	0.114	0.850	–	1	–	–	2	3	1	2	1	–
	Hot Text	6	0.516	0.230	0.108	0.787	–	1	–	–	1	2	1	1	–	–
7	Choice	70	0.599	0.180	0.153	0.904	–	1	2	5	16	12	11	10	12	1
	Choice Multiple	9	0.313	0.166	0.078	0.613	1	1	4	1	–	1	1	–	–	–
	Composite	12	0.548	0.138	0.329	0.780	–	–	–	2	3	4	1	2	–	–
	Gap Match	7	0.485	0.208	0.223	0.808	–	–	1	2	2	–	–	1	1	–
	Hot Text	4	0.399	0.197	0.224	0.593	–	–	2	–	–	2	–	–	–	–

Field Test Items																
							#Items by *P*-Value Range									
Grade	Item Type	#Items	Mean	SD	Min.	Max.	≤ 0.1	≤ 0.2	≤ 0.3	≤ 0.4	≤ 0.5	≤ 0.6	≤ 0.7	≤ 0.8	≤ 0.9	> 0.9
	Choice	62	0.567	0.160	0.216	0.960	–	–	5	7	9	9	19	12	–	1
	Choice Multiple	17	0.291	0.155	0.051	0.510	1	6	2	2	4	2	–	–	–	–
8	Composite	9	0.425	0.194	0.217	0.862	–	–	2	3	2	1	–	–	1	–
	Gap Match	7	0.366	0.155	0.190	0.620	–	1	1	3	–	1	1	–	–	–
	Hot Text	7	0.372	0.190	0.179	0.607	–	2	1	1	–	2	1	–	–	–
Mathematics																
	Choice	44	0.611	0.218	0.107	0.949	–	2	3	3	4	7	3	13	7	2
	Choice Multiple	5	0.466	0.198	0.251	0.732	–	–	1	2	–	–	1	1	–	–
	Composite	9	0.487	0.194	0.186	0.757	–	1	–	3	–	2	2	1	–	–
3	Gap Match	8	0.594	0.225	0.267	0.820	–	–	1	2	–	–	1	2	2	–
	Graphic Gap Match	8	0.573	0.208	0.315	0.835	–	–	–	3	–	1	1	1	2	–
	Hot Text	2	0.295	0.149	0.190	0.401	–	1	–	–	1	–	–	–	–	–
	Text Entry	11	0.550	0.130	0.269	0.711	–	–	1	–	2	4	2	2	–	–
	Choice	42	0.591	0.190	0.209	0.899	–	–	3	5	4	9	10	5	6	–
	Choice Multiple	7	0.443	0.178	0.183	0.675	–	1	1	1	1	1	2	–	–	–
	Composite	14	0.458	0.144	0.243	0.764	–	–	3	2	5	2	1	1	–	–
4	Gap Match	7	0.497	0.281	0.177	0.876	–	1	1	2	–	–	1	–	2	–
	Graphic Gap Match	7	0.529	0.225	0.178	0.841	–	1	–	1	1	1	2	–	1	–
	Hot Text	7	0.327	0.177	0.100	0.653	1	1	1	3	–	–	1	–	–	–
	Text Entry	10	0.514	0.208	0.239	0.835	–	–	2	2	–	2	2	1	1	–
	Choice	48	0.615	0.179	0.244	0.957	–	–	1	7	3	10	11	9	4	3
	Choice Multiple	5	0.628	0.153	0.464	0.808	–	–	–	–	1	2	–	1	1	–
	Composite	20	0.508	0.164	0.305	0.886	–	–	–	6	4	6	1	1	2	–
5	Gap Match	2	0.435	0.157	0.324	0.546	–	–	–	1	–	1	–	–	–	–
	Graphic Gap Match	7	0.595	0.251	0.267	0.934	–	–	1	1	1	1	1	–	1	1
	Hot Text	1	0.479	–	0.479	0.479	–	–	–	–	1	–	–	–	–	–
	Text Entry	12	0.433	0.277	0.088	0.952	2	1	2	1	1	1	2	1	–	1

Field Test Items																
							#Items by *P*-Value Range									
Grade	Item Type	#Items	Mean	SD	Min.	Max.	≤ 0.1	≤ 0.2	≤ 0.3	≤ 0.4	≤ 0.5	≤ 0.6	≤ 0.7	≤ 0.8	≤ 0.9	> 0.9
6	Choice	36	0.538	0.182	0.226	0.853	–	–	4	4	9	8	2	4	5	–
	Choice Multiple	11	0.239	0.101	0.020	0.383	1	1	6	3	–	–	–	–	–	–
	Composite	21	0.415	0.128	0.122	0.613	–	1	3	4	8	3	2	–	–	–
	Gap Match	9	0.380	0.163	0.117	0.659	–	1	1	3	2	1	1	–	–	–
	Graphic Gap Match	1	0.914	–	0.914	0.914	–	–	–	–	–	–	–	–	–	1
	Hot Text	5	0.445	0.282	0.175	0.798	–	2	–	1	–	–	1	1	–	–
	Text Entry	10	0.456	0.256	0.126	0.854	–	1	2	3	–	1	–	1	2	–
7	Choice	38	0.455	0.150	0.152	0.717	–	3	3	6	12	7	6	1	–	–
	Choice Multiple	9	0.145	0.096	0.045	0.319	3	4	1	1	–	–	–	–	–	–
	Composite	19	0.358	0.173	0.084	0.769	3	1	1	8	2	3	–	1	–	–
	Gap Match	5	0.401	0.200	0.194	0.657	–	1	1	1	–	1	1	–	–	–
	Hot Text	8	0.295	0.073	0.197	0.403	–	1	3	3	1	–	–	–	–	–
	Text Entry	12	0.306	0.150	0.056	0.523	2	–	5	1	3	1	–	–	–	–
8	Choice	41	0.531	0.187	0.199	0.887	–	1	3	8	9	3	8	6	3	–
	Choice Multiple	5	0.302	0.094	0.157	0.380	–	1	1	3	–	–	–	–	–	–
	Composite	10	0.437	0.144	0.297	0.741	–	–	1	4	2	2	–	1	–	–
	Gap Match	7	0.364	0.147	0.076	0.516	1	–	1	2	2	1	–	–	–	–
	Graphic Gap Match	3	0.449	0.215	0.256	0.681	–	–	1	–	1	–	1	–	–	–
	Hot Text	11	0.439	0.149	0.190	0.625	–	1	1	2	2	3	2	–	–	–
	Text Entry	9	0.434	0.179	0.095	0.633	1	–	1	2	1	2	2	–	–	–

Appendix H: Summary Item-Total Correlations by Item Type

Table H.1. Summary Item-Total Correlations by Item Type—Operational Items

Operational Items													
							#Items by Item-Total Correlation Range						
Grade	Item Type	#Items	Mean	SD	Min.	Max.	≤ 0.1	≤ 0.2	≤ 0.3	≤ 0.4	≤ 0.5	≤ 0.6	> 0.6
ELA													
3	Choice	207	0.281	0.184	-0.438	1.000	30	14	59	70	22	7	5
	Choice Multiple	3	0.315	0.367	-0.102	0.588	1	–	–	–	1	1	–
	Composite	12	0.409	0.113	0.180	0.527	–	1	1	3	3	4	–
	Hot Text	1	0.389	–	0.389	0.389	–	–	–	1	–	–	–
4	Choice	354	0.307	0.194	-0.687	1.000	43	30	88	117	48	10	18
	Choice Multiple	8	0.389	0.093	0.242	0.516	–	–	1	3	2	2	–
	Composite	17	0.433	0.105	0.267	0.615	–	–	2	4	6	4	1
	Hot Text	2	0.399	0.014	0.389	0.409	–	–	–	1	1	–	–
5	Choice	190	0.307	0.232	-1.000	1.000	22	10	44	61	35	10	8
	Choice Multiple	10	0.385	0.098	0.236	0.508	–	–	3	2	4	1	–
	Composite	16	0.440	0.132	0.061	0.608	1	–	1	1	8	4	1
6	Choice	240	0.311	0.202	-0.442	1.000	39	12	46	76	39	18	10
	Choice Multiple	10	0.411	0.070	0.317	0.527	–	–	–	5	4	1	–
	Composite	13	0.447	0.137	0.107	0.679	–	1	–	2	6	3	1
7	Choice	133	0.336	0.128	-0.059	0.770	7	12	29	41	33	10	1
	Choice Multiple	7	0.472	0.128	0.245	0.596	–	–	1	–	3	3	–
	Composite	11	0.471	0.086	0.292	0.576	–	–	1	2	4	4	–
8	Choice	178	0.278	0.178	-0.945	0.659	28	14	44	55	31	4	2
	Choice Multiple	10	0.469	0.078	0.326	0.578	–	–	–	2	4	4	–
	Composite	12	0.439	0.110	0.184	0.595	–	1	–	3	5	3	–

Operational Items														
							#Items by Item-Total Correlation Range							
Grade	Item Type	#Items	Mean	SD	Min.	Max.	≤ 0.1	≤ 0.2	≤ 0.3	≤ 0.4	≤ 0.5	≤ 0.6	> 0.6
Mathematics														
3	Choice	226	0.384	0.099	0.122	1.000	–	7	21	118	62	14	4
	Choice Multiple	1	0.574	–	0.574	0.574	–	–	–	–	–	1	–
	Composite	2	0.527	0.018	0.514	0.539	–	–	–	–	–	2	–
	Hot Text	1	0.567	–	0.567	0.567	–	–	–	–	–	1	–
4	Choice	126	0.370	0.096	0.080	0.622	1	4	20	57	32	10	2
	Composite	3	0.551	0.053	0.489	0.584	–	–	–	–	1	2	–
	Hot Text	1	0.348	–	0.348	0.348	–	–	–	1	–	–	–
5	Choice	183	0.369	0.102	-0.285	0.666	4	2	23	91	50	11	2
	Choice Multiple	2	0.219	0.162	0.104	0.333	–	1	–	1	–	–	–
	Composite	3	0.468	0.093	0.407	0.576	–	–	–	–	2	1	–
	Hot Text	1	0.483	–	0.483	0.483	–	–	–	–	1	–	–
6	Choice	268	0.354	0.073	0.099	0.581	1	3	52	148	57	7	–
	Choice Multiple	5	0.444	0.167	0.234	0.621	–	–	1	1	1	1	1
	Composite	2	0.579	0.074	0.527	0.631	–	–	–	–	–	1	1
7	Choice	172	0.361	0.081	-0.044	0.546	2	2	24	93	44	7	–
	Choice Multiple	6	0.507	0.128	0.285	0.614	–	–	1	–	1	2	2
	Composite	1	0.555	–	0.555	0.555	–	–	–	–	–	1	–
	Hot Text	1	0.594	–	0.594	0.594	–	–	–	–	–	1	–
8	Choice	112	0.367	0.108	-0.135	0.641	2	1	17	48	36	7	1
	Choice Multiple	2	0.598	0.050	0.562	0.633	–	–	–	–	–	1	1
	Composite	3	0.533	0.097	0.460	0.644	–	–	–	–	2	–	1
Science														
5	Choice	50	0.388	0.078	0.209	0.556	–	–	7	19	21	3	–
8	Choice	60	0.401	0.065	0.206	0.545	–	–	3	25	31	1	–

Table H.2. Summary P-Values by Item Type—Field Test Items

Field Test Items													
							#Items by Item-Total Correlation Range						
Grade	Item Type	#Items	Mean	SD	Min.	Max.	≤ 0.1	≤ 0.2	≤ 0.3	≤ 0.4	≤ 0.5	≤ 0.6	> 0.6
ELA													
	Choice	56	0.333	0.128	0.067	0.549	4	6	9	15	19	3	–
	Choice Multiple	15	0.393	0.119	0.163	0.570	–	1	2	3	6	3	–
3	Composite	18	0.412	0.132	0.088	0.585	1	–	2	7	2	6	–
	Gap Match	15	0.395	0.131	0.072	0.528	1	1	–	4	7	2	–
	Hot Text	7	0.338	0.147	0.118	0.557	–	1	2	2	1	1	–
	Choice	60	0.306	0.126	-0.097	0.485	3	8	12	25	12	–	–
	Choice Multiple	17	0.417	0.109	0.208	0.574	–	–	2	7	3	5	–
4	Composite	11	0.408	0.112	0.235	0.568	–	–	2	4	2	3	–
	Gap Match	10	0.371	0.142	0.073	0.575	1	–	1	3	4	1	–
	Hot Text	4	0.414	0.098	0.318	0.547	–	–	–	2	1	1	–
	Choice	63	0.303	0.141	-0.097	0.521	8	5	16	14	19	1	–
	Choice Multiple	14	0.303	0.141	0.081	0.523	2	1	3	4	3	1	–
5	Composite	11	0.366	0.088	0.190	0.501	–	1	1	6	2	1	–
	Gap Match	14	0.309	0.142	0.076	0.509	1	3	1	4	4	1	–
	Hot Text	3	0.357	0.079	0.266	0.411	–	–	1	1	1	–	–
	Choice	56	0.345	0.104	0.101	0.503	–	6	10	18	21	1	–
	Choice Multiple	11	0.305	0.112	0.110	0.447	–	2	3	3	3	–	–
6	Composite	14	0.377	0.136	0.046	0.557	1	1	–	6	4	2	–
	Gap Match	10	0.433	0.133	0.162	0.579	–	1	–	3	2	4	–
	Hot Text	6	0.315	0.125	0.168	0.466	–	1	2	1	2	–	–
	Choice	70	0.314	0.117	0.019	0.553	4	12	13	23	15	3	–
	Choice Multiple	9	0.290	0.123	0.095	0.468	1	1	3	2	2	–	–
7	Composite	12	0.429	0.084	0.319	0.544	–	–	–	6	2	4	–
	Gap Match	7	0.393	0.107	0.212	0.541	–	–	1	3	2	1	–
	Hot Text	4	0.288	0.042	0.235	0.337	–	–	3	1	–	–	–

Field Test Items													
							#Items by Item-Total Correlation Range						
Grade	Item Type	#Items	Mean	SD	Min.	Max.	≤ 0.1	≤ 0.2	≤ 0.3	≤ 0.4	≤ 0.5	≤ 0.6	> 0.6
	Choice	62	0.313	0.123	-0.010	0.510	3	9	15	17	15	3	–
	Choice Multiple	17	0.313	0.146	0.012	0.523	2	2	3	5	4	1	–
8	Composite	9	0.387	0.097	0.258	0.519	–	–	3	2	3	1	–
	Gap Match	7	0.424	0.114	0.266	0.557	–	–	2	1	2	2	–
	Hot Text	7	0.269	0.157	-0.006	0.411	1	1	1	3	1	–	–
Mathematics													
	Choice	44	0.338	0.131	-0.036	0.520	3	4	6	15	12	4	–
	Choice Multiple	5	0.397	0.048	0.331	0.460	–	–	–	3	2	–	–
	Composite	9	0.487	0.070	0.381	0.603	–	–	–	1	4	3	1
3	Gap Match	8	0.440	0.093	0.317	0.590	–	–	–	3	3	2	–
	Graphic Gap Match	8	0.443	0.071	0.327	0.528	–	–	–	2	4	2	–
	Hot Text	2	0.529	0.017	0.517	0.541	–	–	–	–	–	2	–
	Text Entry	11	0.456	0.057	0.363	0.537	–	–	–	2	5	4	–
	Choice	42	0.371	0.132	-0.079	0.583	1	2	10	8	15	6	–
	Choice Multiple	7	0.414	0.075	0.296	0.543	–	–	1	1	4	1	–
	Composite	14	0.509	0.095	0.286	0.619	–	–	1	1	3	7	2
4	Gap Match	7	0.420	0.090	0.290	0.556	–	–	1	2	3	1	–
	Graphic Gap Match	7	0.424	0.116	0.231	0.562	–	–	1	1	3	2	–
	Hot Text	7	0.493	0.102	0.313	0.588	–	–	–	2	–	5	–
	Text Entry	10	0.450	0.051	0.371	0.518	–	–	–	2	6	2	–
	Choice	48	0.362	0.123	0.059	0.612	1	5	10	16	7	8	1
	Choice Multiple	5	0.447	0.092	0.289	0.529	–	–	1	–	3	1	–
	Composite	20	0.488	0.073	0.382	0.633	–	–	–	1	11	7	1
5	Gap Match	2	0.537	0.004	0.534	0.539	–	–	–	–	–	2	–
	Graphic Gap Match	7	0.439	0.136	0.241	0.588	–	–	1	2	1	3	–
	Hot Text	1	0.622	–	0.622	0.622	–	–	–	–	–	–	1
	Text Entry	12	0.412	0.112	0.192	0.623	–	1	1	3	6	–	1

Field Test Items													
							#Items by Item-Total Correlation Range						
Grade	Item Type	#Items	Mean	SD	Min.	Max.	≤ 0.1	≤ 0.2	≤ 0.3	≤ 0.4	≤ 0.5	≤ 0.6	> 0.6
6	Choice	36	0.350	0.119	0.025	0.570	2	3	2	17	9	3	–
	Choice Multiple	11	0.447	0.130	0.074	0.556	1	–	–	–	7	3	–
	Composite	21	0.473	0.123	0.130	0.665	–	1	1	1	8	8	2
	Gap Match	9	0.411	0.104	0.283	0.623	–	–	1	3	4	–	1
	Graphic Gap Match	1	0.275	–	0.275	0.275	–	–	1	–	–	–	–
	Hot Text	5	0.470	0.090	0.340	0.558	–	–	–	1	2	2	–
	Text Entry	10	0.409	0.072	0.297	0.524	–	–	1	3	5	1	–
7	Choice	38	0.350	0.095	0.137	0.522	–	3	7	16	9	3	–
	Choice Multiple	9	0.323	0.164	-0.026	0.518	1	1	–	5	–	2	–
	Composite	19	0.500	0.137	-0.027	0.634	1	–	–	–	5	11	2
	Gap Match	5	0.502	0.073	0.381	0.565	–	–	–	1	1	3	–
	Hot Text	8	0.433	0.100	0.320	0.601	–	–	–	4	2	1	1
	Text Entry	12	0.482	0.066	0.385	0.583	–	–	–	2	5	5	–
8	Choice	41	0.371	0.105	0.006	0.542	1	2	6	14	16	2	–
	Choice Multiple	5	0.462	0.038	0.409	0.506	–	–	–	–	4	1	–
	Composite	10	0.518	0.073	0.413	0.622	–	–	–	–	5	4	1
	Gap Match	7	0.439	0.059	0.345	0.511	–	–	–	2	4	1	–
	Graphic Gap Match	3	0.515	0.098	0.403	0.583	–	–	–	–	1	2	–
	Hot Text	11	0.439	0.115	0.218	0.562	–	–	2	1	4	4	–
	Text Entry	9	0.512	0.067	0.404	0.623	–	–	–	–	3	5	1

Appendix I: Differential Item Functioning (DIF) Item-Level Statistics

Table I.1. DIF Item-Level Statistics—ELA Grade 3

ELA Grade 3														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
11188620	OP	6,996	3,841	3,155	A	3,663	695	A	1,934	A	–	–	300	A
11188630	OP	3,744	2,063	1,681	A	1,949	385	A	1,034	A	–	–	–	–
11188640	OP	10,343	5,714	4,627	A	5,697	947	A	2,705	A	269	A	419	A
11188650	OP	2,861	1,577	1,284	A	1,396	332	A	825	A	–	–	–	–
11188660	OP	7,828	4,257	3,570	A	4,559	612	A	1,985	A	–	–	317	A
11188670	OP	3,774	1,982	1,791	A	2,325	–	–	908	A	–	–	–	–
11188680	OP	1,400	810	589	A	632	–	–	402	A	–	–	–	–
11192020	OP	3,641	1,630	2,011	A	2,660	–	–	496	A	–	–	–	–
11192060	OP	806	343	463	A	–	–	–	–	–	–	–	–	–
11192070	OP	1,249	540	709	A	–	–	–	–	–	–	–	–	–
11192100	OP	2,568	1,158	1,410	A	2,018	–	–	264	A	–	–	–	–
11192110	OP	1,012	519	493	A	–	–	–	–	–	–	–	–	–
11192160	OP	3,013	1,554	1,459	A	2,091	–	–	508	A	–	–	–	–
21048510	VL	1,334	691	643	A	848	–	–	268	A	–	–	–	–
21048530	VL	1,334	691	643	B+	848	–	–	268	B+	–	–	–	–
21048630	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A
21048650	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A
21048660	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A
21048670	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A
21058480	OP	1,137	660	477	A	525	–	–	349	A	–	–	–	–
21058810	OP	622	360	262	A	–	–	–	–	–	–	–	–	–
21058820	OP	739	407	332	A	–	–	–	–	–	–	–	–	–
21058850	OP	1,639	926	713	A	746	–	–	489	A	–	–	–	–
21058860	OP	974	576	398	A	396	–	–	307	A	–	–	–	–
21058870	OP	2,399	1,368	1,031	A	1,054	314	A	718	A	–	–	–	–
21058880	OP	2,403	1,371	1,032	A	1,055	314	A	719	A	–	–	–	–
21058890	OP	4,060	2,374	1,686	A	1,809	540	A	1,200	A	–	–	–	–
21058900	OP	670	401	269	A	–	–	–	–	–	–	–	–	–
21058910	OP	2,226	1,321	905	A	1,054	253	A	663	A	–	–	–	–

ELA Grade 3														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
21058920	OP	2,761	1,612	1,149	A	1,266	362	A	815	A	–	–	–	–
21058930	OP	4,060	2,374	1,686	A	1,809	540	A	1,200	A	–	–	–	–
21058940	OP	2,710	1,571	1,139	A	1,190	363	A	813	A	–	–	–	–
21058950	OP	1,197	706	491	A	496	–	–	348	A	–	–	–	–
21059240	OP	916	526	390	A	396	–	–	256	A	–	–	–	–
21059460	OP	1,240	710	530	A	506	–	–	367	A	–	–	–	–
21059510	OP	1,281	736	545	A	526	–	–	376	A	–	–	–	–
21059520	OP	1,281	736	545	A	526	–	–	376	A	–	–	–	–
21059540	OP	1,125	649	476	A	472	–	–	325	A	–	–	–	–
21060270	OP	2,239	1,270	969	A	999	297	A	659	A	–	–	–	–
21060280	OP	10,337	5,709	4,626	A	5,695	946	A	2,702	A	269	A	419	A
21060410	OP	885	509	376	B-	384	–	–	260	A	–	–	–	–
21060460	OP	894	516	378	A	388	–	–	262	A	–	–	–	–
21070900	OP	910	532	378	A	–	–	–	–	–	–	–	–	–
21070910	OP	1,019	592	427	A	–	–	–	–	–	–	–	–	–
21070920	OP	1,004	592	412	A	–	–	–	–	–	–	–	–	–
21070960	OP	695	417	278	A	–	–	–	–	–	–	–	–	–
21071110	OP	6,343	3,025	3,318	A	4,788	–	–	826	A	–	–	272	A
21071120	OP	4,130	2,046	2,084	A	2,904	–	–	700	A	–	–	–	–
21071140	OP	23,322	11,901	11,421	A	15,169	1,532	A	4,480	A	631	A	944	A
21071150	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A
21071160	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A
21071170	OP	2,174	1,258	916	A	1,035	257	A	648	A	–	–	–	–
21071180	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A
21071420	OP	547	292	255	A	–	–	–	–	–	–	–	–	–
21071620	VL	1,334	691	643	A	848	–	–	268	A	–	–	–	–
21071630	VL	1,334	691	643	A	848	–	–	268	A	–	–	–	–
21071640	VL	1,334	691	643	A	848	–	–	268	A	–	–	–	–
21072270	OP	2,190	1,178	1,012	A	1,146	–	–	604	A	–	–	–	–
21072280	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A
21072360	OP	4,360	1,975	2,385	A	3,539	–	–	359	A	–	–	–	–
21072380	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A

ELA Grade 3														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
21072480	OP	2,650	1,458	1,192	A	1,535	–	–	673	A	–	–	–	–
21072500	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A
21072530	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A
21072600	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A
21072610	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A
21072620	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A
21072630	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	B-	956	A
21072640	OP	6,137	3,631	2,506	A	3,221	620	A	1,654	A	–	–	–	–
21072650	OP	5,719	3,225	2,494	A	3,280	519	A	1,391	A	–	–	–	–
21072780	VL	1,335	692	643	A	857	–	–	265	B+	–	–	–	–
21072800	VL	1,335	692	643	A	857	–	–	265	A	–	–	–	–
21072810	OP	18,681	9,190	9,491	A	12,992	937	A	3,141	A	479	A	743	A
21072820	OP	6,436	3,357	3,078	A	3,953	416	A	1,510	A	–	–	–	–
21072830	VL	1,335	692	643	A	857	–	–	265	A	–	–	–	–
21072840	VL	1,335	692	643	A	857	–	–	265	A	–	–	–	–
21072850	OP	7,596	3,612	3,984	A	5,805	–	–	897	A	–	–	339	A
21072860	OP	13,172	6,410	6,761	A	9,787	481	A	1,808	A	359	A	538	A
21072880	VL	1,335	692	643	A	857	–	–	265	A	–	–	–	–
21072900	OP	7,773	3,787	3,985	A	5,243	433	A	1,432	A	–	–	323	A
21072910	OP	18,680	9,189	9,490	A	12,991	937	A	3,141	A	479	A	743	A
21072940	OP	8,858	4,146	4,711	A	6,830	283	A	984	A	255	A	357	A
21072950	OP	3,632	1,730	1,901	A	2,611	–	–	529	A	–	–	–	–
21072980	OP	4,316	2,025	2,291	A	3,235	–	–	530	A	–	–	–	–
21073010	OP	6,853	3,240	3,612	A	5,251	–	–	770	A	–	–	305	A
21073120	OP	4,861	2,267	2,594	A	3,894	–	–	433	A	–	–	–	–
21073140	OP	5,027	2,311	2,716	A	4,105	–	–	399	A	–	–	–	–
21073150	OP	9,233	4,302	4,930	A	7,149	289	A	998	A	271	A	370	A
21079000	OP	2,359	1,049	1,310	A	–	–	–	–	–	–	–	–	–
21079030	OP	1,657	697	960	A	–	–	–	–	–	–	–	–	–
21079060	OP	1,148	518	630	A	–	–	–	–	–	–	–	–	–
21079220	OP	3,891	1,809	2,082	A	2,755	–	–	612	A	–	–	–	–
21079270	VL	1,334	691	643	A	848	–	–	268	A	–	–	–	–

ELA Grade 3														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
21079300	OP	9,032	4,328	4,703	A	6,875	298	A	1,085	A	262	A	408	A
21079390	OP	7,097	3,298	3,799	B-	5,631	–	–	681	B-	–	–	277	A
21079420	OP	5,368	2,713	2,654	A	3,548	284	A	1,089	A	–	–	–	–
21079430	OP	12,126	5,714	6,411	A	9,092	444	A	1,540	A	342	A	478	A
21079460	OP	5,166	2,476	2,689	A	3,574	269	A	872	A	–	–	–	–
21079480	OP	3,698	1,994	1,704	A	2,126	287	A	949	A	–	–	–	–
21079560	OP	4,375	2,255	2,119	A	2,665	295	A	1,024	A	–	–	–	–
21079590	OP	6,651	3,650	3,000	A	3,818	548	A	1,716	A	–	–	256	A
21079600	OP	10,019	5,404	4,614	A	6,119	707	A	2,336	A	–	–	398	A
21079610	OP	11,066	5,887	5,178	A	6,731	781	A	2,576	A	264	A	424	A
21079630	OP	11,065	5,886	5,178	A	6,731	780	A	2,576	A	264	A	424	A
21096410	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	B-	956	A
21096460	OP	23,875	12,231	11,641	A	15,422	1,582	A	4,620	A	642	A	956	A
21106470	OP	11,334	5,301	6,032	A	8,549	402	A	1,398	A	323	B+	452	A
21107070	OP	3,590	1,894	1,696	A	2,103	280	A	890	A	–	–	–	–
21107440	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A
21107570	VL	1,335	692	643	A	857	–	–	265	A	–	–	–	–
21107620	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A
21107660	OP	5,125	3,038	2,087	A	2,527	574	A	1,420	A	–	–	–	–
21107680	VL	1,335	692	643	A	857	–	–	265	A	–	–	–	–
21107690	OP	2,973	1,421	1,552	A	2,089	–	–	451	A	–	–	–	–
21107760	VL	1,334	691	643	A	848	–	–	268	A	–	–	–	–
21107800	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A
21107810	OP	1,519	667	852	A	–	–	–	–	–	–	–	–	–
21107820	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A
21107850	OP	14,194	7,065	7,129	A	9,512	808	A	2,650	A	354	A	559	A
21108470	OP	23,875	12,231	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A
21108500	HL	23,875	12,232	11,643	A	15,424	1,582	A	4,620	A	642	A	956	A
21108990	OP	12,003	5,734	6,269	A	9,102	397	A	1,497	A	330	A	499	A
11190270	FT	1,164	605	559	A	–	–	–	–	–	–	–	–	–
11190280	FT	1,175	610	565	A	–	–	–	–	–	–	–	–	–
11190290	FT	1,162	603	559	A	–	–	–	–	–	–	–	–	–

ELA Grade 3															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11190300	FT	1,157	599	558	A	–	–	–	–	–	–	–	–	–	
11190310	FT	1,165	602	563	A	–	–	–	–	–	–	–	–	–	
11190320	FT	1,155	595	560	A	–	–	–	–	–	–	–	–	–	
11190330	FT	1,437	738	699	A	922	–	–	284	A	–	–	–	–	
11190340	FT	1,161	598	563	A	–	–	–	–	–	–	–	–	–	
11190350	FT	1,159	596	563	A	–	–	–	–	–	–	–	–	–	
11190360	FT	1,158	594	564	A	–	–	–	–	–	–	–	–	–	
11190370	FT	1,159	599	560	A	–	–	–	–	–	–	–	–	–	
11190380	FT	1,442	744	698	A	916	–	–	286	A	–	–	–	–	
11190390	FT	1,160	600	560	A	–	–	–	–	–	–	–	–	–	
11192530	FT	1,439	749	690	B-	937	–	–	289	B-	–	–	–	–	
11192540	FT	1,179	605	574	A	–	–	–	–	–	–	–	–	–	
11192550	FT	1,170	601	569	A	–	–	–	–	–	–	–	–	–	
11192560	FT	1,151	588	563	A	–	–	–	–	–	–	–	–	–	
11192580	FT	1,149	589	560	A	–	–	–	–	–	–	–	–	–	
11192590	FT	1,159	597	562	B-	–	–	–	–	–	–	–	–	–	
11192600	FT	1,152	594	558	A	–	–	–	–	–	–	–	–	–	
11192610	FT	1,435	742	693	A	936	–	–	290	A	–	–	–	–	
11192620	FT	1,442	745	697	A	934	–	–	288	A	–	–	–	–	
11192630	FT	1,147	592	555	A	–	–	–	–	–	–	–	–	–	
11192640	FT	1,152	591	561	A	–	–	–	–	–	–	–	–	–	
11192650	FT	1,171	605	566	A	–	–	–	–	–	–	–	–	–	
11192660	FT	1,420	729	691	A	906	–	–	288	A	–	–	–	–	
11195920	FT	1,468	740	728	A	945	–	–	292	A	–	–	–	–	
11195960	FT	1,458	738	720	A	940	–	–	292	A	–	–	–	–	
11195980	FT	2,478	1,238	1,240	A	1,614	–	–	384	A	–	–	–	–	
11196020	FT	1,483	745	738	A	956	–	–	292	A	–	–	–	–	
11196030	FT	2,572	1,298	1,274	A	1,698	–	–	397	A	–	–	–	–	
11196050	FT	1,489	772	717	A	974	–	–	292	A	–	–	–	–	
11196110	FT	1,226	623	603	A	–	–	–	–	–	–	–	–	–	
11196160	FT	1,473	742	731	A	952	–	–	291	A	–	–	–	–	
11196190	FT	1,881	866	1,015	A	1,243	–	–	321	A	–	–	–	–	

ELA Grade 3															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11196200	FT	1,935	1,074	861	A	1,237	–	–	329	A	–	–	–	–	
11196280	FT	1,469	747	722	A	947	–	–	286	A	–	–	–	–	
11196290	FT	1,387	645	742	A	922	–	–	259	A	–	–	–	–	
11196300	FT	2,475	1,275	1,200	A	1,614	–	–	395	A	–	–	–	–	
11196340	FT	1,463	746	717	A	952	–	–	289	A	–	–	–	–	
11196360	FT	1,264	649	615	B+	–	–	–	–	–	–	–	–	–	
11196410	FT	1,245	637	608	A	–	–	–	–	–	–	–	–	–	
11196430	FT	1,898	1,002	896	A	1,225	–	–	308	C-	–	–	–	–	
11196440	FT	1,368	651	717	A	887	–	–	259	A	–	–	–	–	
11196450	FT	1,315	648	667	A	–	–	–	–	–	–	–	–	–	
11196460	FT	2,326	1,202	1,124	A	1,526	–	–	364	B-	–	–	–	–	
11196510	FT	1,293	643	650	B+	–	–	–	–	–	–	–	–	–	
11196580	FT	1,957	895	1,062	A	1,310	–	–	329	A	–	–	–	–	
11196590	FT	1,973	1,083	890	A	1,252	–	–	339	A	–	–	–	–	
11196920	FT	1,323	660	663	A	859	–	–	255	A	–	–	–	–	
11196960	FT	1,663	905	758	A	1,065	–	–	311	A	–	–	–	–	
11196970	FT	1,365	716	649	A	893	–	–	256	A	–	–	–	–	
11197030	FT	1,530	766	764	A	984	–	–	290	A	–	–	–	–	
11197050	FT	1,439	692	747	A	945	–	–	266	B-	–	–	–	–	
11197080	FT	1,459	737	722	A	956	–	–	281	A	–	–	–	–	
11197110	FT	1,404	686	718	A	938	–	–	252	A	–	–	–	–	
11197130	FT	1,269	623	646	A	–	–	–	–	–	–	–	–	–	
11197170	FT	1,275	620	655	B+	–	–	–	–	–	–	–	–	–	
11197200	FT	1,321	700	621	A	–	–	–	–	–	–	–	–	–	
11197230	FT	1,240	623	617	A	–	–	–	–	–	–	–	–	–	
11197270	FT	1,296	648	648	A	–	–	–	–	–	–	–	–	–	
11197280	FT	1,266	620	646	A	–	–	–	–	–	–	–	–	–	
11197300	FT	1,516	810	706	B-	1,016	–	–	260	A	–	–	–	–	
11197310	FT	1,267	628	639	A	–	–	–	–	–	–	–	–	–	
11216960	FT	1,234	615	619	A	–	–	–	–	–	–	–	–	–	
11219140	FT	1,168	600	568	A	–	–	–	–	–	–	–	–	–	
11219160	FT	1,154	595	559	A	–	–	–	–	–	–	–	–	–	

ELA Grade 3															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11219230	FT	1,154	594	560	A	–	–	–	–	–	–	–	–	–	
11219250	FT	1,149	591	558	A	–	–	–	–	–	–	–	–	–	
11219260	FT	1,437	740	697	A	931	–	–	288	A	–	–	–	–	
11219270	FT	1,154	596	558	A	–	–	–	–	–	–	–	–	–	
11219280	FT	1,154	598	556	A	–	–	–	–	–	–	–	–	–	
11219290	FT	1,155	598	557	A	–	–	–	–	–	–	–	–	–	
11219300	FT	1,440	745	695	A	935	–	–	292	A	–	–	–	–	
11219310	FT	1,150	593	557	A	–	–	–	–	–	–	–	–	–	
11219330	FT	1,155	596	559	A	–	–	–	–	–	–	–	–	–	
11219340	FT	1,158	596	562	A	–	–	–	–	–	–	–	–	–	
11221260	FT	1,165	602	563	A	–	–	–	–	–	–	–	–	–	
11221290	FT	1,161	598	563	A	–	–	–	–	–	–	–	–	–	
11221340	FT	1,160	600	560	A	–	–	–	–	–	–	–	–	–	
11221450	FT	1,164	601	563	A	–	–	–	–	–	–	–	–	–	
11221590	FT	1,164	604	560	A	–	–	–	–	–	–	–	–	–	
11221660	FT	1,156	599	557	A	–	–	–	–	–	–	–	–	–	
11221710	FT	1,159	596	563	A	–	–	–	–	–	–	–	–	–	
11221930	FT	1,441	746	695	A	917	–	–	294	A	–	–	–	–	
11222010	FT	1,159	597	562	A	–	–	–	–	–	–	–	–	–	
11222060	FT	1,163	602	561	A	–	–	–	–	–	–	–	–	–	
11222410	FT	1,156	594	562	A	–	–	–	–	–	–	–	–	–	
11222570	FT	1,157	596	561	A	–	–	–	–	–	–	–	–	–	
11227770	FT	1,447	750	697	A	930	–	–	288	A	–	–	–	–	
11227780	FT	1,159	602	557	A	–	–	–	–	–	–	–	–	–	
11227790	FT	1,156	596	560	A	–	–	–	–	–	–	–	–	–	
11227800	FT	1,437	741	696	A	924	–	–	288	A	–	–	–	–	
11227810	FT	1,161	606	555	A	–	–	–	–	–	–	–	–	–	
11227820	FT	1,164	605	559	B-	–	–	–	–	–	–	–	–	–	
11227830	FT	1,156	596	560	A	–	–	–	–	–	–	–	–	–	
11227850	FT	1,154	592	562	A	–	–	–	–	–	–	–	–	–	
11227860	FT	1,443	745	698	A	933	–	–	288	A	–	–	–	–	
11227940	FT	1,442	743	699	A	917	–	–	296	B-	–	–	–	–	

ELA Grade 3														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
11227950	FT	1,442	747	695	A	913	–	–	293	A	–	–	–	–
11227970	FT	1,450	749	701	A	924	–	–	295	A	–	–	–	–
11227980	FT	1,174	599	575	A	–	–	–	–	–	–	–	–	–
11227990	FT	1,174	602	572	A	–	–	–	–	–	–	–	–	–
11228000	FT	1,152	592	560	A	–	–	–	–	–	–	–	–	–
11228010	FT	1,156	595	561	A	–	–	–	–	–	–	–	–	–
11228020	FT	1,162	598	564	A	–	–	–	–	–	–	–	–	–
11228030	FT	1,173	602	571	A	–	–	–	–	–	–	–	–	–
21109470	FT	1,156	597	559	A	–	–	–	–	–	–	–	–	–
21109480	FT	1,156	597	559	A	–	–	–	–	–	–	–	–	–
21109490	FT	1,156	597	559	A	–	–	–	–	–	–	–	–	–
21109500	FT	1,156	597	559	A	–	–	–	–	–	–	–	–	–

Table I.2. DIF Item-Level Statistics—ELA Grade 4

ELA Grade 4														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
11191980	OP	7,184	3,570	3,613	A	5,080	331	A	1,196	A	–	–	354	A
11191990	OP	1,173	690	483	A	509	–	–	327	C-	–	–	–	–
21048510	HL	11,531	5,924	5,607	A	7,331	890	A	2,193	A	436	A	322	A
21048520	HL	23,872	12,282	11,588	A	15,492	1,660	A	4,520	A	664	A	924	A
21048530	HL	11,531	5,924	5,607	A	7,331	890	A	2,193	A	436	A	322	A
21048560	HL	23,872	12,282	11,588	A	15,492	1,660	A	4,520	A	664	A	924	A
21048580	OP	10,182	5,334	4,846	A	6,376	726	A	2,148	A	–	–	513	A
21048600	OP	2,158	1,024	1,133	A	–	–	–	–	–	–	–	–	–
21048610	HL	23,872	12,282	11,588	A	15,492	1,660	A	4,520	A	664	A	924	A
21048630	VL	1,277	660	617	A	811	–	–	255	A	–	–	–	–
21048650	VL	1,261	651	610	A	799	–	–	267	A	–	–	–	–
21056440	OP	1,035	619	415	A	478	–	–	292	A	–	–	–	–
21056450	OP	1,337	782	553	A	633	–	–	377	A	–	–	–	–

ELA Grade 4															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
21056460	OP	754	417	337	A	–	–	–	–	–	–	–	–	–	
21056470	OP	1,313	766	547	A	666	–	–	361	A	–	–	–	–	
21056590	OP	2,590	1,463	1,126	A	1,398	278	B-	678	A	–	–	–	–	
21056600	OP	3,219	1,835	1,382	A	1,674	363	A	859	A	–	–	–	–	
21056610	OP	1,496	877	618	A	716	–	–	411	A	–	–	–	–	
21056620	OP	952	546	405	A	469	–	–	259	A	–	–	–	–	
21056630	OP	1,225	673	552	A	720	–	–	300	A	–	–	–	–	
21057410	OP	810	441	369	A	–	–	–	–	–	–	–	–	–	
21057450	OP	780	421	359	B+	–	–	–	–	–	–	–	–	–	
21057480	OP	688	369	319	A	–	–	–	–	–	–	–	–	–	
21057490	OP	1,094	551	543	A	–	–	–	–	–	–	–	–	–	
21057520	OP	1,205	610	595	A	–	–	–	–	–	–	–	–	–	
21057540	OP	780	421	359	B+	–	–	–	–	–	–	–	–	–	
21057590	OP	1,227	691	535	A	510	–	–	337	A	–	–	–	–	
21057600	OP	850	475	374	A	–	–	–	–	–	–	–	–	–	
21057620	OP	835	472	362	A	–	–	–	–	–	–	–	–	–	
21057630	OP	1,144	661	482	A	460	–	–	327	A	–	–	–	–	
21057640	OP	1,425	814	610	A	590	–	–	397	A	–	–	–	–	
21057650	OP	637	354	283	A	–	–	–	–	–	–	–	–	–	
21057870	OP	1,222	616	606	A	–	–	–	–	–	–	–	–	–	
21057960	OP	1,254	632	622	A	–	–	–	–	–	–	–	–	–	
21058220	OP	771	452	319	A	–	–	–	–	–	–	–	–	–	
21058280	OP	771	452	319	A	–	–	–	–	–	–	–	–	–	
21058400	OP	2,162	1,220	941	A	1,134	–	–	579	A	–	–	–	–	
21058410	OP	913	471	442	A	–	–	–	–	–	–	–	–	–	
21058430	OP	2,326	1,325	1,001	A	1,242	–	–	627	A	–	–	–	–	
21058440	OP	666	398	268	A	–	–	–	–	–	–	–	–	–	
21058450	OP	1,492	840	651	A	763	–	–	410	A	–	–	–	–	
21058460	OP	2,439	1,389	1,049	A	1,288	254	A	653	A	–	–	–	–	
21058470	OP	914	473	441	A	–	–	–	–	–	–	–	–	–	
21058520	OP	917	474	443	A	–	–	–	–	–	–	–	–	–	
21058540	OP	917	474	443	A	–	–	–	–	–	–	–	–	–	

ELA Grade 4															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
21058690	OP	1,661	963	698	A	907	–	–	440	A	–	–	–	–	
21071610	OP	3,561	1,800	1,761	A	2,391	–	–	640	A	–	–	–	–	
21071620	HL	11,531	5,924	5,607	A	7,331	890	A	2,193	A	436	A	322	A	
21071630	HL	11,531	5,924	5,607	A	7,331	890	A	2,193	A	436	B+	322	A	
21071640	HL	11,531	5,924	5,607	A	7,331	890	A	2,193	A	436	A	322	A	
21071670	OP	2,439	1,336	1,103	A	1,239	301	A	632	A	–	–	–	–	
21071680	OP	4,099	2,139	1,960	A	2,522	316	A	904	A	–	–	–	–	
21071730	OP	3,631	1,771	1,860	A	2,726	–	–	416	A	–	–	–	–	
21071790	OP	3,311	1,602	1,709	A	2,265	–	–	561	A	–	–	–	–	
21071810	OP	1,959	915	1,044	A	–	–	–	–	–	–	–	–	–	
21071820	OP	5,019	2,399	2,620	A	3,637	–	–	721	A	–	–	–	–	
21071830	OP	683	332	351	A	–	–	–	–	–	–	–	–	–	
21071840	OP	4,399	2,153	2,246	A	3,209	–	–	579	A	–	–	–	–	
21071850	OP	15,644	7,723	7,920	A	11,156	724	A	2,439	A	445	A	613	A	
21071860	OP	4,989	2,365	2,624	A	3,775	–	–	586	A	–	–	–	–	
21071880	HL	23,873	12,282	11,589	A	15,492	1,660	B-	4,521	A	664	A	924	A	
21071890	HL	23,873	12,282	11,589	A	15,492	1,660	A	4,521	A	664	A	924	A	
21071910	OP	2,391	1,136	1,255	A	1,725	–	–	338	A	–	–	–	–	
21071920	HL	23,873	12,282	11,589	A	15,492	1,660	A	4,521	A	664	A	924	A	
21071930	OP	3,942	1,858	2,084	A	3,044	–	–	413	A	–	–	–	–	
21071940	HL	23,873	12,282	11,589	A	15,492	1,660	A	4,521	A	664	A	924	A	
21071950	OP	10,439	5,333	5,105	A	6,787	703	A	2,047	A	–	–	448	A	
21071970	OP	10,531	5,464	5,066	A	6,604	771	A	2,185	A	–	–	468	A	
21071980	OP	3,926	2,171	1,755	A	1,979	472	A	1,060	A	–	–	–	–	
21071990	OP	5,084	2,407	2,677	A	3,732	–	–	677	A	–	–	–	–	
21072000	OP	2,823	1,320	1,503	A	2,143	–	–	342	A	–	–	–	–	
21072010	OP	4,224	2,017	2,206	A	3,360	–	–	424	A	–	–	–	–	
21072020	OP	7,763	3,753	4,009	A	5,856	261	A	1,015	B-	–	–	351	A	
21072030	VL	1,396	787	609	A	909	–	–	283	A	–	–	–	–	
21072040	VL	1,396	787	609	A	909	–	–	283	A	–	–	–	–	
21072050	VL	1,396	787	609	A	909	–	–	283	A	–	–	–	–	
21072060	VL	1,396	787	609	A	909	–	–	283	A	–	–	–	–	

ELA Grade 4															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
21072080	VL	1,396	787	609	A	909	–	–	283	A	–	–	–	–	
21072090	OP	5,570	2,734	2,835	A	4,047	–	–	855	A	–	–	277	A	
21072100	OP	5,550	2,667	2,882	A	4,306	–	–	638	A	–	–	263	A	
21072280	VL	1,261	651	610	A	799	–	–	267	A	–	–	–	–	
21072380	VL	1,261	651	610	A	799	–	–	267	B-	–	–	–	–	
21072500	VL	1,261	651	610	B-	799	–	–	267	A	–	–	–	–	
21072530	VL	1,261	651	610	A	799	–	–	267	A	–	–	–	–	
21072600	VL	1,277	660	617	A	811	–	–	255	A	–	–	–	–	
21072610	VL	1,277	660	617	A	811	–	–	255	A	–	–	–	–	
21072620	VL	1,277	660	617	A	811	–	–	255	A	–	–	–	–	
21072630	VL	1,277	660	617	A	811	–	–	255	C-	–	–	–	–	
21072660	HL	23,872	12,282	11,588	A	15,492	1,660	A	4,520	A	664	A	924	A	
21072670	HL	23,873	12,282	11,589	A	15,492	1,660	A	4,521	A	664	A	924	A	
21072700	HL	23,872	12,282	11,588	A	15,492	1,660	A	4,520	A	664	A	924	A	
21072730	HL	23,873	12,282	11,589	A	15,492	1,660	A	4,521	A	664	A	924	A	
21072740	HL	23,873	12,282	11,589	A	15,492	1,660	A	4,521	A	664	A	924	A	
21072780	HL	12,342	6,358	5,982	A	8,161	770	A	2,328	A	–	–	602	A	
21072800	HL	12,342	6,358	5,982	A	8,161	770	A	2,328	A	–	–	602	A	
21072830	HL	12,342	6,358	5,982	A	8,161	770	A	2,328	A	–	–	602	A	
21072840	HL	12,342	6,358	5,982	A	8,161	770	A	2,328	A	–	–	602	A	
21072870	OP	966	574	392	B+	–	–	–	–	–	–	–	–	–	
21072880	HL	12,342	6,358	5,982	A	8,161	770	A	2,328	A	–	–	602	A	
21072920	VL	1,270	665	605	A	821	–	–	255	A	–	–	–	–	
21072970	VL	1,270	665	605	A	821	–	–	255	A	–	–	–	–	
21073000	VL	1,270	665	605	A	821	–	–	255	B-	–	–	–	–	
21073020	VL	1,270	665	605	A	821	–	–	255	A	–	–	–	–	
21073160	OP	7,071	3,416	3,654	A	5,396	–	–	898	A	–	–	324	A	
21073190	OP	2,834	1,362	1,472	A	1,977	–	–	452	A	–	–	–	–	
21073200	OP	2,500	1,164	1,336	A	–	–	–	–	–	–	–	–	–	
21073210	OP	2,776	1,326	1,450	A	1,949	–	–	418	A	–	–	–	–	
21073240	OP	5,048	2,407	2,641	A	3,666	–	–	718	A	–	–	–	–	
21073290	OP	8,845	4,498	4,346	B-	5,885	552	A	1,640	B-	–	–	403	A	

ELA Grade 4															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
21073320	OP	1,803	863	940	A	–	–	–	–	–	–	–	–	–	
21073340	OP	2,851	1,348	1,503	A	2,229	–	–	296	A	–	–	–	–	
21073380	OP	1,014	487	527	A	–	–	–	–	–	–	–	–	–	
21073400	OP	3,021	1,627	1,394	A	1,673	308	A	760	A	–	–	–	–	
21073420	OP	1,986	1,070	916	A	1,027	–	–	499	A	–	–	–	–	
21073500	OP	6,463	3,205	3,257	A	4,561	289	A	1,066	A	–	–	329	A	
21073530	OP	879	445	434	A	–	–	–	–	–	–	–	–	–	
21078250	OP	1,611	757	854	A	–	–	–	–	–	–	–	–	–	
21078260	OP	1,428	834	594	A	610	–	–	411	A	–	–	–	–	
21078440	OP	17,340	8,735	8,604	A	11,859	961	A	3,007	A	464	A	705	A	
21078670	OP	1,440	663	777	A	–	–	–	–	–	–	–	–	–	
21078680	OP	2,023	1,157	866	A	932	285	A	573	A	–	–	–	–	
21078700	OP	1,450	670	780	A	–	–	–	–	–	–	–	–	–	
21078710	OP	3,038	1,735	1,303	A	1,352	438	A	872	A	–	–	–	–	
21078750	OP	4,468	2,389	2,079	A	2,541	460	A	985	A	–	–	–	–	
21078770	OP	1,440	663	777	A	–	–	–	–	–	–	–	–	–	
21078780	OP	612	336	276	B-	–	–	–	–	–	–	–	–	–	
21078790	OP	588	310	278	A	–	–	–	–	–	–	–	–	–	
21078830	OP	941	578	362	A	452	–	–	252	A	–	–	–	–	
21078860	OP	1,546	870	676	A	880	–	–	395	A	–	–	–	–	
21078870	OP	4,550	2,423	2,127	A	2,829	347	A	1,017	A	–	–	–	–	
21078880	OP	707	410	297	A	–	–	–	–	–	–	–	–	–	
21078910	OP	722	420	302	A	–	–	–	–	–	–	–	–	–	
21078970	OP	758	437	321	A	–	–	–	–	–	–	–	–	–	
21078980	OP	5,724	2,989	2,735	A	3,659	419	A	1,193	A	–	–	–	–	
21078990	OP	2,651	1,325	1,326	A	1,771	–	–	490	A	–	–	–	–	
21079020	OP	3,406	1,736	1,670	A	2,283	–	–	638	A	–	–	–	–	
21079040	OP	5,465	3,061	2,403	A	2,850	606	A	1,412	A	–	–	–	–	
21079050	OP	5,682	2,895	2,787	A	3,676	383	A	1,127	A	–	–	–	–	
21079070	OP	2,908	1,524	1,384	A	1,818	250	A	544	A	–	–	–	–	
21079080	OP	3,808	1,883	1,925	A	2,544	–	–	727	A	–	–	–	–	
21079160	OP	1,559	725	834	B+	–	–	–	–	–	–	–	–	–	

ELA Grade 4															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
21079180	OP	1,580	740	840	A	–	–	–	–	–	–	–	–	–	
21079230	OP	2,698	1,448	1,250	A	1,592	–	–	615	A	–	–	–	–	
21079260	OP	3,948	1,916	2,032	A	2,861	–	–	524	A	–	–	–	–	
21079270	HL	11,531	5,924	5,607	A	7,331	890	A	2,193	A	436	A	322	A	
21079310	OP	809	460	349	A	–	–	–	–	–	–	–	–	–	
21079400	OP	2,669	1,429	1,240	A	1,629	–	–	565	A	–	–	–	–	
21079450	OP	6,715	3,321	3,394	A	4,670	382	A	1,049	A	283	A	–	–	
21079510	OP	5,389	2,656	2,732	A	3,945	–	–	810	A	–	–	271	A	
21079530	OP	2,633	1,364	1,268	A	1,639	–	–	583	A	–	–	–	–	
21079570	OP	3,254	1,626	1,628	A	2,197	–	–	547	A	–	–	–	–	
21079620	OP	1,136	636	500	A	652	–	–	299	A	–	–	–	–	
21079640	OP	9,001	4,568	4,432	A	6,132	483	A	1,648	A	–	–	413	A	
21079650	OP	3,684	1,878	1,806	A	2,413	–	–	731	A	–	–	–	–	
21079680	OP	2,009	1,090	919	A	1,195	–	–	491	A	–	–	–	–	
21079710	OP	1,316	765	551	A	559	–	–	379	A	–	–	–	–	
21096390	OP	2,852	1,525	1,327	A	1,561	326	A	619	A	–	–	–	–	
21096400	OP	11,424	5,815	5,607	A	7,798	624	A	2,045	A	–	–	551	A	
21096410	VL	1,277	660	617	A	811	–	–	255	C-	–	–	–	–	
21106440	OP	9,551	4,845	4,705	A	6,494	515	A	1,762	A	–	–	428	A	
21107080	OP	1,724	791	933	A	–	–	–	–	–	–	–	–	–	
21107220	OP	989	567	422	A	403	–	–	272	A	–	–	–	–	
21107250	OP	4,964	2,714	2,250	A	2,741	499	A	1,225	A	–	–	–	–	
21107370	VL	1,396	787	609	A	909	–	–	283	A	–	–	–	–	
21107410	HL	23,873	12,282	11,589	A	15,492	1,660	A	4,521	A	664	A	924	A	
21107420	HL	23,872	12,282	11,588	A	15,492	1,660	A	4,520	A	664	A	924	A	
21107440	VL	1,261	651	610	A	799	–	–	267	A	–	–	–	–	
21107500	VL	1,270	665	605	A	821	–	–	255	A	–	–	–	–	
21107540	OP	3,223	1,672	1,550	A	1,993	298	A	555	A	–	–	–	–	
21107570	HL	12,342	6,358	5,982	A	8,161	770	A	2,328	A	–	–	602	A	
21107610	VL	1,270	665	605	A	821	–	–	255	A	–	–	–	–	
21107680	HL	12,342	6,358	5,982	A	8,161	770	A	2,328	A	–	–	602	A	
21107760	HL	11,531	5,924	5,607	A	7,331	890	A	2,193	A	436	A	322	A	

ELA Grade 4															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
21107800	VL	1,277	660	617	B+	811	–	–	255	B+	–	–	–	–	
21107820	VL	1,261	651	610	A	799	–	–	267	A	–	–	–	–	
21107860	OP	4,928	2,346	2,582	A	3,727	–	–	585	A	–	–	–	–	
21107870	OP	6,261	3,088	3,172	A	4,602	–	–	939	A	–	–	295	A	
21107890	OP	7,351	3,997	3,354	A	4,130	715	A	1,801	A	–	–	250	A	
21107900	OP	5,116	2,426	2,690	A	3,764	–	–	677	A	–	–	–	–	
21107970	OP	3,149	1,797	1,352	A	1,401	462	A	895	A	–	–	–	–	
21107980	OP	5,633	2,976	2,657	A	3,506	434	A	1,227	A	–	–	–	–	
21108390	OP	4,998	2,387	2,611	A	3,626	–	–	711	A	–	–	–	–	
21108450	OP	19,002	9,897	9,103	A	11,991	1,385	A	3,903	A	447	B+	775	A	
21108460	OP	15,273	7,761	7,510	A	10,461	865	A	2,607	A	379	A	670	A	
31193340	VL	1,270	665	605	A	821	–	–	255	A	–	–	–	–	
41145360	VL	1,396	787	609	A	909	–	–	283	A	–	–	–	–	
11190590	FT	1,836	853	983	A	1,253	–	–	292	A	–	–	–	–	
11190600	FT	1,282	653	629	A	–	–	–	–	–	–	–	–	–	
11190610	FT	1,486	781	705	A	1,015	–	–	251	A	–	–	–	–	
11190630	FT	2,160	1,029	1,130	A	1,505	–	–	312	A	–	–	–	–	
11191310	FT	1,221	631	590	A	–	–	–	–	–	–	–	–	–	
11191320	FT	1,180	611	569	A	–	–	–	–	–	–	–	–	–	
11191330	FT	1,140	586	554	A	–	–	–	–	–	–	–	–	–	
11191340	FT	1,200	617	583	A	–	–	–	–	–	–	–	–	–	
11191350	FT	1,155	592	563	A	–	–	–	–	–	–	–	–	–	
11191360	FT	1,150	593	557	A	–	–	–	–	–	–	–	–	–	
11191370	FT	1,200	614	586	A	–	–	–	–	–	–	–	–	–	
11191380	FT	1,193	620	573	A	–	–	–	–	–	–	–	–	–	
11191390	FT	1,205	627	578	A	–	–	–	–	–	–	–	–	–	
11191400	FT	1,191	614	577	A	–	–	–	–	–	–	–	–	–	
11191410	FT	1,196	623	573	A	–	–	–	–	–	–	–	–	–	
11191420	FT	1,195	624	571	B+	–	–	–	–	–	–	–	–	–	
11191430	FT	1,207	618	589	A	–	–	–	–	–	–	–	–	–	
11191440	FT	1,173	606	567	C+	–	–	–	–	–	–	–	–	–	
11194310	FT	1,141	592	549	A	–	–	–	–	–	–	–	–	–	

ELA Grade 4															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11194320	FT	1,157	598	559	A	–	–	–	–	–	–	–	–	–	
11194330	FT	1,208	617	591	A	–	–	–	–	–	–	–	–	–	
11194340	FT	1,196	617	579	A	–	–	–	–	–	–	–	–	–	
11194350	FT	1,132	587	545	A	–	–	–	–	–	–	–	–	–	
11194360	FT	1,185	605	580	A	–	–	–	–	–	–	–	–	–	
11194370	FT	1,197	623	574	A	–	–	–	–	–	–	–	–	–	
11194380	FT	1,166	601	565	A	–	–	–	–	–	–	–	–	–	
11194390	FT	1,136	585	551	A	–	–	–	–	–	–	–	–	–	
11194400	FT	1,190	613	577	A	–	–	–	–	–	–	–	–	–	
11194410	FT	1,196	624	572	A	–	–	–	–	–	–	–	–	–	
11194420	FT	1,209	629	580	A	–	–	–	–	–	–	–	–	–	
11194430	FT	1,192	613	579	A	–	–	–	–	–	–	–	–	–	
11194440	FT	1,129	577	552	A	–	–	–	–	–	–	–	–	–	
11197320	FT	1,603	874	728	A	1,071	–	–	267	A	–	–	–	–	
11197330	FT	1,727	824	903	A	1,202	–	–	268	A	–	–	–	–	
11197360	FT	1,194	637	556	A	–	–	–	–	–	–	–	–	–	
11197370	FT	1,777	853	924	A	1,183	–	–	288	A	–	–	–	–	
11197470	FT	1,333	687	645	A	852	–	–	252	A	–	–	–	–	
11197510	FT	1,301	670	630	A	–	–	–	–	–	–	–	–	–	
11197520	FT	1,141	587	554	A	–	–	–	–	–	–	–	–	–	
11197570	FT	1,148	594	554	A	–	–	–	–	–	–	–	–	–	
11197580	FT	1,945	929	1,014	A	1,326	–	–	289	A	–	–	–	–	
11197590	FT	1,208	624	584	A	–	–	–	–	–	–	–	–	–	
11197680	FT	1,247	667	580	A	–	–	–	–	–	–	–	–	–	
11197700	FT	1,919	976	943	A	1,280	–	–	311	A	–	–	–	–	
11197710	FT	1,743	809	932	A	1,178	–	–	282	A	–	–	–	–	
11197730	FT	1,314	676	638	A	–	–	–	–	–	–	–	–	–	
11197740	FT	1,140	586	554	A	–	–	–	–	–	–	–	–	–	
11197780	FT	1,580	760	820	A	1,075	–	–	253	A	–	–	–	–	
11197810	FT	1,528	727	801	A	1,013	–	–	258	A	–	–	–	–	
11197820	FT	1,440	744	696	A	922	–	–	265	A	–	–	–	–	
11197830	FT	1,139	588	551	A	–	–	–	–	–	–	–	–	–	

ELA Grade 4															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11197910	FT	1,648	860	787	A	1,101	–	–	277	A	–	–	–	–	
11197940	FT	1,465	736	727	A	947	–	–	261	A	–	–	–	–	
11197950	FT	1,149	587	562	A	–	–	–	–	–	–	–	–	–	
11198020	FT	1,192	611	581	A	–	–	–	–	–	–	–	–	–	
11198030	FT	1,568	774	793	A	1,015	–	–	268	B-	–	–	–	–	
11198040	FT	1,149	594	555	A	–	–	–	–	–	–	–	–	–	
11198320	FT	1,552	783	769	A	999	–	–	269	A	–	–	–	–	
11198370	FT	1,302	669	633	A	–	–	–	–	–	–	–	–	–	
11198440	FT	1,161	599	562	A	–	–	–	–	–	–	–	–	–	
11198480	FT	1,436	705	731	A	–	–	–	–	–	–	–	–	–	
11198490	FT	1,565	781	784	A	1,038	–	–	261	B-	–	–	–	–	
11198510	FT	1,155	599	556	A	–	–	–	–	–	–	–	–	–	
11198530	FT	1,437	732	705	B+	934	–	–	256	A	–	–	–	–	
11198580	FT	1,248	639	609	A	–	–	–	–	–	–	–	–	–	
11198600	FT	1,244	637	607	C-	–	–	–	–	–	–	–	–	–	
11198610	FT	1,276	648	628	A	–	–	–	–	–	–	–	–	–	
11198620	FT	1,261	629	632	A	–	–	–	–	–	–	–	–	–	
11198660	FT	1,272	658	614	A	–	–	–	–	–	–	–	–	–	
11198700	FT	1,344	706	638	A	–	–	–	–	–	–	–	–	–	
11198710	FT	1,271	638	632	A	–	–	–	–	–	–	–	–	–	
11224610	FT	1,192	604	588	A	–	–	–	–	–	–	–	–	–	
11224620	FT	1,182	606	576	A	–	–	–	–	–	–	–	–	–	
11224630	FT	1,198	616	582	A	–	–	–	–	–	–	–	–	–	
11224640	FT	1,141	584	557	A	–	–	–	–	–	–	–	–	–	
11224660	FT	1,189	603	586	A	–	–	–	–	–	–	–	–	–	
11224670	FT	1,190	613	577	A	–	–	–	–	–	–	–	–	–	
11224680	FT	1,194	613	581	A	–	–	–	–	–	–	–	–	–	
11224700	FT	1,195	615	580	A	–	–	–	–	–	–	–	–	–	
11224720	FT	1,211	626	585	B+	–	–	–	–	–	–	–	–	–	
11224730	FT	1,140	586	554	A	–	–	–	–	–	–	–	–	–	
11224740	FT	1,197	617	580	A	–	–	–	–	–	–	–	–	–	
11224750	FT	1,180	603	577	A	–	–	–	–	–	–	–	–	–	

ELA Grade 4															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11224980	FT	1,190	609	581	A	–	–	–	–	–	–	–	–	–	
11224990	FT	1,192	610	582	A	–	–	–	–	–	–	–	–	–	
11225010	FT	1,198	612	586	A	–	–	–	–	–	–	–	–	–	
11225020	FT	1,188	609	579	A	–	–	–	–	–	–	–	–	–	
11225030	FT	1,187	605	582	A	–	–	–	–	–	–	–	–	–	
11225060	FT	1,189	604	585	A	–	–	–	–	–	–	–	–	–	
11225110	FT	1,189	609	580	A	–	–	–	–	–	–	–	–	–	
11225300	FT	1,242	637	605	B-	–	–	–	–	–	–	–	–	–	
11225310	FT	1,176	601	575	A	–	–	–	–	–	–	–	–	–	
11225320	FT	1,202	619	583	A	–	–	–	–	–	–	–	–	–	
11225340	FT	1,203	618	585	A	–	–	–	–	–	–	–	–	–	
11225530	FT	1,197	615	582	A	–	–	–	–	–	–	–	–	–	
11225540	FT	1,145	591	554	A	–	–	–	–	–	–	–	–	–	
11225550	FT	1,200	618	582	A	–	–	–	–	–	–	–	–	–	
11225560	FT	1,200	624	576	A	–	–	–	–	–	–	–	–	–	
11225570	FT	1,156	592	564	A	–	–	–	–	–	–	–	–	–	
11225580	FT	1,143	591	552	A	–	–	–	–	–	–	–	–	–	
11225590	FT	1,139	584	555	A	–	–	–	–	–	–	–	–	–	
11225600	FT	1,205	629	576	A	–	–	–	–	–	–	–	–	–	

Table I.3. DIF Item-Level Statistics—ELA Grade 5

ELA Grade 5															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11191730	VL	1,241	641	600	A	–	–	–	–	–	–	–	–	–	
11191740	VL	1,241	641	600	A	–	–	–	–	–	–	–	–	–	
11191750	VL	1,241	641	600	A	–	–	–	–	–	–	–	–	–	
11191770	VL	1,241	641	600	A	–	–	–	–	–	–	–	–	–	
21048180	VL	1,254	649	605	A	–	–	–	–	–	–	–	–	–	
21048460	HL	22,290	11,506	10,784	A	14,599	1,501	A	4,181	A	590	A	835	A	

ELA Grade 5														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
21048470	HL	22,290	11,506	10,784	A	14,599	1,501	A	4,181	A	590	A	835	A
21048480	OP	18,732	9,391	9,341	A	12,979	965	A	3,215	A	487	A	692	A
21048490	OP	8,835	4,958	3,877	A	4,684	961	A	2,260	A	–	–	358	A
21048520	VL	1,245	646	599	A	–	–	–	–	–	–	–	–	–
21048560	VL	1,245	646	599	A	–	–	–	–	–	–	–	–	–
21048610	VL	1,245	646	599	A	–	–	–	–	–	–	–	–	–
21054170	OP	1,408	805	603	A	660	–	–	380	A	–	–	–	–
21054210	OP	2,804	1,577	1,227	A	1,421	369	A	736	A	–	–	–	–
21054220	OP	1,450	811	639	A	785	–	–	373	B-	–	–	–	–
21054230	OP	2,793	1,570	1,223	A	1,417	369	A	732	A	–	–	–	–
21054290	OP	2,804	1,577	1,227	A	1,421	369	A	736	A	–	–	–	–
21054450	OP	1,275	774	501	A	489	–	–	389	A	–	–	–	–
21054480	OP	1,409	857	552	A	535	–	–	430	A	–	–	–	–
21054860	OP	1,407	855	552	A	535	–	–	430	A	–	–	–	–
21054880	OP	1,409	857	552	A	535	–	–	430	A	–	–	–	–
21071880	VL	1,245	646	599	A	–	–	–	–	–	–	–	–	–
21071890	VL	1,245	646	599	A	–	–	–	–	–	–	–	–	–
21071920	VL	1,245	646	599	A	–	–	–	–	–	–	–	–	–
21071940	VL	1,245	646	599	A	–	–	–	–	–	–	–	–	–
21072030	HL	10,876	5,626	5,250	A	7,100	647	A	2,082	A	267	A	555	A
21072040	HL	10,876	5,626	5,250	A	7,100	647	A	2,082	A	267	A	555	A
21072050	HL	10,876	5,626	5,250	A	7,100	647	A	2,082	A	267	B+	555	A
21072060	HL	10,876	5,626	5,250	A	7,100	647	A	2,082	A	267	A	555	A
21072080	HL	10,876	5,626	5,250	A	7,100	647	A	2,082	A	267	A	555	A
21072660	VL	1,240	643	597	A	–	–	–	–	–	–	–	–	–
21072670	VL	1,240	643	597	A	–	–	–	–	–	–	–	–	–
21072700	VL	1,240	643	597	A	–	–	–	–	–	–	–	–	–
21072730	VL	1,240	643	597	A	–	–	–	–	–	–	–	–	–
21072740	VL	1,240	643	597	A	–	–	–	–	–	–	–	–	–
21072890	HL	22,290	11,506	10,784	A	14,599	1,501	A	4,181	A	590	A	835	A
21072920	HL	11,414	5,880	5,534	A	7,499	854	A	2,099	A	323	A	280	A
21072960	OP	1,113	567	546	A	–	–	–	–	–	–	–	–	–

ELA Grade 5														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
21072970	HL	11,414	5,880	5,534	A	7,499	854	A	2,099	A	323	A	280	A
21073000	HL	11,414	5,880	5,534	A	7,499	854	B-	2,099	A	323	A	280	A
21073020	HL	11,414	5,880	5,534	A	7,499	854	A	2,099	A	323	A	280	A
21073040	HL	22,290	11,506	10,784	A	14,599	1,501	A	4,181	A	590	A	835	A
21073050	HL	22,290	11,506	10,784	A	14,599	1,501	A	4,181	A	590	A	835	A
21073060	OP	1,562	973	589	A	622	290	A	437	A	–	–	–	–
21073070	HL	22,290	11,506	10,784	A	14,599	1,501	A	4,181	A	590	A	835	A
21073090	HL	22,290	11,506	10,784	A	14,599	1,501	A	4,181	A	590	A	835	A
21073540	OP	6,823	3,265	3,558	A	5,389	–	–	710	A	–	–	–	–
21073550	OP	1,094	534	560	A	–	–	–	–	–	–	–	–	–
21073560	OP	2,785	1,585	1,200	A	1,525	287	A	695	A	–	–	–	–
21073570	OP	1,451	808	643	A	886	–	–	341	A	–	–	–	–
21073580	OP	17,034	8,719	8,315	A	11,197	1,070	A	3,226	A	426	A	712	A
21073590	HL	22,290	11,506	10,784	A	14,599	1,501	A	4,181	A	590	A	835	A
21073600	HL	22,290	11,506	10,784	A	14,599	1,501	A	4,181	A	590	A	835	A
21073990	OP	8,513	4,489	4,024	A	5,407	593	A	1,745	A	–	–	362	A
21074010	HL	22,290	11,506	10,784	A	14,599	1,501	A	4,181	A	590	A	835	A
21074030	OP	2,853	1,615	1,238	A	1,557	295	A	718	A	–	–	–	–
21074060	OP	14,353	7,195	7,158	A	9,760	803	A	2,546	A	360	A	574	A
21074080	OP	650	342	308	A	–	–	–	–	–	–	–	–	–
21074090	OP	15,455	7,956	7,499	A	10,331	930	A	2,800	A	426	A	610	A
21074120	OP	517	254	263	A	–	–	–	–	–	–	–	–	–
21074130	OP	790	395	395	A	–	–	–	–	–	–	–	–	–
21074160	OP	15,932	8,123	7,809	A	10,448	1,039	A	2,998	A	420	A	638	A
21074170	OP	5,553	2,754	2,799	A	4,061	–	–	799	A	–	–	285	A
21074200	OP	6,857	3,674	3,183	B-	4,247	525	A	1,422	A	–	–	304	A
21074210	OP	2,610	1,578	1,032	A	1,196	365	A	713	A	–	–	–	–
21074220	OP	2,016	1,101	915	A	1,191	–	–	490	A	–	–	–	–
21074240	OP	862	429	433	A	–	–	–	–	–	–	–	–	–
21074250	OP	1,166	561	605	A	–	–	–	–	–	–	–	–	–
21074280	HL	22,290	11,506	10,784	A	14,599	1,501	A	4,181	A	590	A	835	A
21074290	OP	1,180	569	611	A	–	–	–	–	–	–	–	–	–

ELA Grade 5														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
21074300	OP	9,060	4,476	4,584	A	6,882	328	A	1,142	A	261	A	306	A
21074320	OP	847	513	334	A	–	–	–	–	–	–	–	–	–
21074350	OP	7,978	3,942	4,036	A	5,674	371	A	1,251	A	–	–	296	A
21074500	VL	1,254	649	605	A	–	–	–	–	–	–	–	–	–
21074610	VL	1,254	649	605	A	–	–	–	–	–	–	–	–	–
21074810	VL	1,254	649	605	A	–	–	–	–	–	–	–	–	–
21074820	VL	1,254	649	605	A	–	–	–	–	–	–	–	–	–
21076620	OP	823	497	326	A	–	–	–	–	–	–	–	–	–
21076630	OP	8,596	4,452	4,144	A	5,400	731	A	1,731	A	–	–	–	–
21076650	OP	4,257	2,202	2,055	A	2,499	395	A	981	A	–	–	–	–
21076670	OP	2,530	1,194	1,336	A	1,970	–	–	297	A	–	–	–	–
21076690	OP	8,593	4,449	4,144	A	5,401	730	A	1,729	A	–	–	–	–
21076710	OP	4,920	2,640	2,280	A	2,771	539	A	1,142	A	–	–	–	–
21076750	OP	4,771	2,337	2,434	A	3,399	250	A	769	A	–	–	–	–
21076810	OP	2,971	1,617	1,354	A	1,592	336	A	760	A	–	–	–	–
21077150	OP	4,981	2,553	2,428	A	3,199	309	A	1,000	A	–	–	–	–
21077500	VL	1,241	641	600	A	–	–	–	–	–	–	–	–	–
21078170	OP	2,040	1,034	1,006	A	1,275	–	–	447	A	–	–	–	–
21078200	OP	823	408	415	A	–	–	–	–	–	–	–	–	–
21078240	OP	9,165	4,539	4,626	A	6,476	386	A	1,487	A	–	–	443	A
21078300	OP	4,843	2,529	2,314	A	3,333	266	A	860	A	–	–	–	–
21078320	OP	11,757	5,843	5,914	A	8,179	588	A	1,987	A	297	A	465	A
21078350	OP	1,349	644	705	A	–	–	–	–	–	–	–	–	–
21078360	OP	8,984	4,375	4,609	A	6,695	308	A	1,221	A	256	A	377	A
21078380	OP	6,874	3,460	3,414	A	4,678	317	A	1,241	A	–	–	368	A
21078400	OP	1,910	1,005	905	A	1,241	–	–	392	A	–	–	–	–
21078410	OP	2,064	1,128	936	A	1,306	–	–	447	A	–	–	–	–
21078420	OP	1,773	918	855	A	1,250	–	–	318	A	–	–	–	–
21078430	OP	3,537	1,789	1,748	A	2,535	–	–	561	A	–	–	–	–
21078450	OP	3,114	1,476	1,638	A	2,527	–	–	274	A	–	–	–	–
21078510	OP	2,076	1,027	1,049	A	1,376	–	–	416	A	–	–	–	–
21096450	VL	1,241	641	600	A	–	–	–	–	–	–	–	–	–

ELA Grade 5															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
21107240	VL	1,254	649	605	A	–	–	–	–	–	–	–	–	–	
21107270	HL	22,290	11,506	10,784	A	14,599	1,501	A	4,181	A	590	A	835	A	
21107280	OP	12,269	6,380	5,889	A	8,037	754	A	2,298	A	316	B-	594	A	
21107330	OP	1,277	734	543	A	723	–	–	271	A	–	–	–	–	
21107370	HL	10,876	5,626	5,250	A	7,100	647	A	2,082	A	267	A	555	A	
21107380	OP	3,148	1,792	1,356	A	1,586	413	A	834	A	–	–	–	–	
21107390	HL	22,290	11,506	10,784	A	14,599	1,501	A	4,181	A	590	A	835	A	
21107400	HL	22,290	11,506	10,784	A	14,599	1,501	A	4,181	A	590	A	835	A	
21107410	VL	1,240	643	597	A	–	–	–	–	–	–	–	–	–	
21107420	VL	1,240	643	597	A	–	–	–	–	–	–	–	–	–	
21107500	HL	11,414	5,880	5,534	A	7,499	854	A	2,099	A	323	A	280	A	
21107550	VL	1,240	641	599	A	–	–	–	–	–	–	–	–	–	
21107610	HL	11,414	5,880	5,534	A	7,499	854	A	2,099	A	323	A	280	A	
21107630	OP	8,971	4,474	4,497	A	6,216	551	A	1,505	A	–	–	–	–	
21107650	OP	20,307	10,386	9,921	A	13,573	1,252	A	3,669	A	535	A	789	A	
21107720	OP	3,216	1,708	1,508	A	1,976	296	A	646	A	–	–	–	–	
21107730	OP	9,836	5,184	4,652	A	5,892	870	A	2,117	A	257	A	379	A	
21107920	OP	13,560	7,069	6,491	A	8,495	982	A	2,805	A	333	A	589	A	
21107940	OP	10,387	5,118	5,269	A	7,497	417	A	1,572	A	280	A	467	A	
21107950	OP	4,978	2,593	2,385	A	3,426	272	A	888	A	–	–	–	–	
21108000	OP	2,857	1,618	1,239	A	1,557	296	A	720	A	–	–	–	–	
21108020	OP	14,169	7,250	6,919	A	9,257	961	A	2,658	A	398	A	522	A	
21108150	OP	16,979	8,685	8,294	A	11,587	935	A	2,940	A	461	A	696	A	
21108190	VL	1,254	649	605	A	–	–	–	–	–	–	–	–	–	
21109010	OP	3,783	2,239	1,544	A	1,741	562	A	1,023	A	–	–	–	–	
21109020	OP	17,738	8,819	8,919	A	12,431	860	A	2,970	A	469	B+	650	A	
31193340	HL	11,414	5,880	5,534	A	7,499	854	A	2,099	A	323	A	280	A	
31193380	OP	4,533	2,671	1,862	A	2,147	645	A	1,212	A	–	–	–	–	
31193570	OP	13,246	6,440	6,806	A	9,815	510	A	1,860	A	369	A	471	A	
41145360	HL	10,876	5,626	5,250	A	7,100	647	A	2,082	A	267	A	555	A	
11189170	FT	1,084	560	524	A	–	–	–	–	–	–	–	–	–	
11189180	FT	1,328	685	643	A	–	–	–	–	–	–	–	–	–	

ELA Grade 5															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11189190	FT	1,084	561	523	A	–	–	–	–	–	–	–	–	–	
11189200	FT	1,074	556	518	A	–	–	–	–	–	–	–	–	–	
11189210	FT	1,335	694	641	A	–	–	–	–	–	–	–	–	–	
11189250	FT	1,332	691	641	A	–	–	–	–	–	–	–	–	–	
11189270	FT	1,073	559	514	A	–	–	–	–	–	–	–	–	–	
11189280	FT	1,324	687	637	A	–	–	–	–	–	–	–	–	–	
11189290	FT	1,071	558	513	A	–	–	–	–	–	–	–	–	–	
11189300	FT	1,072	563	509	A	–	–	–	–	–	–	–	–	–	
11189310	FT	1,071	559	512	A	–	–	–	–	–	–	–	–	–	
11189320	FT	1,070	556	514	A	–	–	–	–	–	–	–	–	–	
11189330	FT	1,070	553	517	A	–	–	–	–	–	–	–	–	–	
11189380	FT	1,076	563	513	A	–	–	–	–	–	–	–	–	–	
11191580	FT	1,067	545	522	A	–	–	–	–	–	–	–	–	–	
11191640	FT	1,333	687	646	A	–	–	–	–	–	–	–	–	–	
11194160	FT	1,085	564	521	A	–	–	–	–	–	–	–	–	–	
11194170	FT	1,078	560	518	A	–	–	–	–	–	–	–	–	–	
11194190	FT	1,072	558	514	A	–	–	–	–	–	–	–	–	–	
11194200	FT	1,070	555	515	A	–	–	–	–	–	–	–	–	–	
11194210	FT	1,065	549	516	A	–	–	–	–	–	–	–	–	–	
11194220	FT	1,075	559	516	A	–	–	–	–	–	–	–	–	–	
11194230	FT	1,066	554	512	A	–	–	–	–	–	–	–	–	–	
11194250	FT	1,066	549	517	A	–	–	–	–	–	–	–	–	–	
11194260	FT	1,327	685	642	A	864	–	–	256	A	–	–	–	–	
11194270	FT	1,327	681	646	A	869	–	–	251	A	–	–	–	–	
11194830	FT	1,126	579	547	C-	–	–	–	–	–	–	–	–	–	
11194840	FT	1,327	687	640	C-	–	–	–	–	–	–	–	–	–	
11194850	FT	1,092	568	524	B-	–	–	–	–	–	–	–	–	–	
11194860	FT	1,079	562	517	B-	–	–	–	–	–	–	–	–	–	
11194870	FT	1,069	553	516	B-	–	–	–	–	–	–	–	–	–	
11194880	FT	1,334	692	642	A	881	–	–	251	A	–	–	–	–	
11194890	FT	1,329	685	644	A	–	–	–	–	–	–	–	–	–	
11194900	FT	1,075	557	518	A	–	–	–	–	–	–	–	–	–	

ELA Grade 5															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11194910	FT	1,073	556	517	A	–	–	–	–	–	–	–	–	–	
11194920	FT	1,073	554	519	A	–	–	–	–	–	–	–	–	–	
11194930	FT	1,077	557	520	A	–	–	–	–	–	–	–	–	–	
11194940	FT	1,324	683	641	A	876	–	–	251	A	–	–	–	–	
11194950	FT	1,086	567	519	A	–	–	–	–	–	–	–	–	–	
11194960	FT	1,332	693	639	A	–	–	–	–	–	–	–	–	–	
11195350	FT	1,071	558	513	A	–	–	–	–	–	–	–	–	–	
11200320	FT	1,071	556	515	A	–	–	–	–	–	–	–	–	–	
11200350	FT	1,156	583	573	A	–	–	–	–	–	–	–	–	–	
11200360	FT	1,071	552	519	A	–	–	–	–	–	–	–	–	–	
11200370	FT	1,249	615	634	A	–	–	–	–	–	–	–	–	–	
11200480	FT	1,319	677	642	A	–	–	–	–	–	–	–	–	–	
11200520	FT	1,336	695	641	A	–	–	–	–	–	–	–	–	–	
11200600	FT	1,307	658	649	A	–	–	–	–	–	–	–	–	–	
11200660	FT	1,143	582	561	A	–	–	–	–	–	–	–	–	–	
11200720	FT	1,069	550	519	A	–	–	–	–	–	–	–	–	–	
11200800	FT	1,083	553	530	A	–	–	–	–	–	–	–	–	–	
11200820	FT	1,066	548	518	A	–	–	–	–	–	–	–	–	–	
11200890	FT	1,175	591	584	A	–	–	–	–	–	–	–	–	–	
11200920	FT	1,100	563	537	A	–	–	–	–	–	–	–	–	–	
11201010	FT	1,155	585	570	A	–	–	–	–	–	–	–	–	–	
11201120	FT	1,124	586	538	A	–	–	–	–	–	–	–	–	–	
11201140	FT	1,088	551	537	A	–	–	–	–	–	–	–	–	–	
11201160	FT	1,079	554	525	A	–	–	–	–	–	–	–	–	–	
11201250	FT	1,079	557	522	A	–	–	–	–	–	–	–	–	–	
11201310	FT	1,096	564	532	A	–	–	–	–	–	–	–	–	–	
11201330	FT	1,066	552	514	A	–	–	–	–	–	–	–	–	–	
11201410	FT	1,078	559	519	A	–	–	–	–	–	–	–	–	–	
11201520	FT	1,066	551	515	A	–	–	–	–	–	–	–	–	–	
11201550	FT	1,096	558	538	A	–	–	–	–	–	–	–	–	–	
11201560	FT	1,078	563	515	A	–	–	–	–	–	–	–	–	–	
11201680	FT	1,085	562	523	A	–	–	–	–	–	–	–	–	–	

ELA Grade 5															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11201790	FT	1,073	556	517	A	–	–	–	–	–	–	–	–	–	
11201850	FT	1,055	543	512	A	–	–	–	–	–	–	–	–	–	
11201920	FT	1,324	681	643	A	–	–	–	–	–	–	–	–	–	
11201930	FT	1,083	559	524	A	–	–	–	–	–	–	–	–	–	
11201950	FT	1,065	544	521	A	–	–	–	–	–	–	–	–	–	
11201970	FT	1,328	683	645	A	–	–	–	–	–	–	–	–	–	
11206290	FT	1,282	632	650	A	–	–	–	–	–	–	–	–	–	
11206310	FT	1,237	638	599	A	–	–	–	–	–	–	–	–	–	
11206330	FT	1,333	690	643	A	–	–	–	–	–	–	–	–	–	
11219420	FT	1,093	565	528	A	–	–	–	–	–	–	–	–	–	
11219430	FT	1,317	678	639	A	–	–	–	–	–	–	–	–	–	
11219440	FT	1,321	683	638	A	–	–	–	–	–	–	–	–	–	
11219450	FT	1,083	562	521	A	–	–	–	–	–	–	–	–	–	
11219470	FT	1,069	553	516	A	–	–	–	–	–	–	–	–	–	
11219480	FT	1,067	547	520	A	–	–	–	–	–	–	–	–	–	
11219490	FT	1,067	545	522	A	–	–	–	–	–	–	–	–	–	
11219500	FT	1,320	683	637	B-	–	–	–	–	–	–	–	–	–	
11219510	FT	1,068	547	521	A	–	–	–	–	–	–	–	–	–	
11219520	FT	1,068	548	520	A	–	–	–	–	–	–	–	–	–	
11219530	FT	1,072	553	519	A	–	–	–	–	–	–	–	–	–	
11219540	FT	1,066	544	522	B+	–	–	–	–	–	–	–	–	–	
11219550	FT	1,067	553	514	A	–	–	–	–	–	–	–	–	–	
11224120	FT	1,089	558	531	B-	–	–	–	–	–	–	–	–	–	
11224130	FT	1,081	561	520	A	–	–	–	–	–	–	–	–	–	
11224140	FT	1,074	556	518	A	–	–	–	–	–	–	–	–	–	
11224150	FT	1,066	553	513	A	–	–	–	–	–	–	–	–	–	
11224160	FT	1,083	558	525	A	–	–	–	–	–	–	–	–	–	
11224170	FT	1,333	690	643	A	885	–	–	252	A	–	–	–	–	
11224180	FT	1,082	560	522	A	–	–	–	–	–	–	–	–	–	
11224190	FT	1,333	686	647	A	878	–	–	250	A	–	–	–	–	
11224200	FT	1,074	553	521	A	–	–	–	–	–	–	–	–	–	
11224210	FT	1,331	687	644	A	–	–	–	–	–	–	–	–	–	

ELA Grade 5															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11224220	FT	1,334	690	644	A	876	–	–	252	A	–	–	–	–	
11224230	FT	1,069	554	515	A	–	–	–	–	–	–	–	–	–	
11224250	FT	1,078	557	521	A	–	–	–	–	–	–	–	–	–	
21109510	FT	1,322	683	639	A	879	–	–	251	A	–	–	–	–	
21109520	FT	1,322	683	639	A	879	–	–	251	A	–	–	–	–	
21109530	FT	1,322	683	639	A	879	–	–	251	A	–	–	–	–	
21109540	FT	1,322	683	639	A	879	–	–	251	A	–	–	–	–	

Table I.4. DIF Item-Level Statistics—ELA Grade 6

ELA Grade 6															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11188460	OP	934	359	575	A	–	–	–	–	–	–	–	–	–	
11188550	OP	969	371	598	A	–	–	–	–	–	–	–	–	–	
11188570	OP	970	372	598	A	–	–	–	–	–	–	–	–	–	
11191730	HL	11,227	5,674	5,553	A	7,680	584	A	2,040	A	299	A	409	A	
11191740	HL	11,227	5,674	5,553	A	7,680	584	A	2,040	A	299	A	409	A	
11191750	HL	11,227	5,674	5,553	A	7,680	584	A	2,040	A	299	A	409	A	
11191760	OP	3,635	1,818	1,817	A	2,646	–	–	600	A	–	–	–	–	
11191770	HL	11,227	5,674	5,553	A	7,680	584	A	2,040	A	299	A	409	A	
11191810	OP	6,071	3,179	2,891	A	4,356	311	B-	900	A	–	–	–	–	
11191820	OP	7,031	3,870	3,159	A	4,000	763	A	1,571	A	–	–	–	–	
11191830	OP	2,521	1,323	1,198	A	–	–	–	–	–	–	–	–	–	
11191840	HL	23,322	11,906	11,416	A	15,303	1,610	A	4,399	A	631	A	805	A	
11191850	OP	5,668	2,893	2,775	A	3,438	427	A	1,332	A	–	–	–	–	
11191860	OP	4,979	2,474	2,505	A	3,773	–	–	685	A	–	–	–	–	
11191870	OP	19,194	9,922	9,272	A	12,224	1,430	A	3,866	A	505	A	666	A	
11191880	OP	6,589	3,273	3,315	A	4,995	–	–	833	A	–	–	–	–	
11191890	OP	15,386	7,575	7,810	C-	11,238	630	A	2,305	A	440	A	518	A	
11191900	OP	17,852	8,832	9,019	A	12,626	876	A	2,923	A	490	A	616	A	

ELA Grade 6														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
11191920	OP	8,254	4,244	4,010	A	5,073	681	A	1,775	A	–	–	303	A
11191930	OP	4,317	2,201	2,116	A	2,384	458	A	1,079	A	–	–	–	–
11191940	OP	4,088	2,228	1,860	A	2,502	354	A	879	A	–	–	–	–
11191950	OP	10,021	5,181	4,840	A	6,450	786	A	1,919	B-	271	A	330	A
11191960	HL	23,322	11,906	11,416	A	15,303	1,610	A	4,399	B-	631	C-	805	A
11191970	OP	1,206	672	534	A	495	–	–	345	A	–	–	–	–
11219090	OP	1,739	847	892	A	–	–	–	–	–	–	–	–	–
11219110	OP	2,230	1,094	1,135	A	–	–	–	–	–	–	–	–	–
11223510	OP	19,136	9,640	9,496	A	13,150	1,099	A	3,320	A	523	A	650	A
11223520	OP	9,788	5,303	4,484	A	6,000	884	A	1,993	A	285	A	319	A
21048170	OP	3,508	1,741	1,767	A	2,261	–	–	729	A	–	–	–	–
21048180	HL	12,095	6,232	5,863	A	7,623	1,026	A	2,359	A	332	A	396	A
21048190	HL	23,322	11,906	11,416	A	15,303	1,610	A	4,399	A	631	A	805	A
21048200	OP	4,477	2,229	2,247	A	3,557	–	–	487	A	–	–	–	–
21048210	OP	2,711	1,317	1,394	A	1,909	–	–	495	A	–	–	–	–
21048220	OP	1,461	761	700	A	825	–	–	380	A	–	–	–	–
21048230	HL	23,322	11,906	11,416	A	15,303	1,610	A	4,399	A	631	A	805	A
21048240	OP	2,182	1,266	916	A	1,010	309	A	620	A	–	–	–	–
21048380	VL	1,250	652	598	A	–	–	–	–	–	–	–	–	–
21048400	VL	1,250	652	598	A	–	–	–	–	–	–	–	–	–
21048460	VL	1,397	755	642	A	–	–	–	–	–	–	–	–	–
21048470	VL	1,302	677	625	A	–	–	–	–	–	–	–	–	–
21071200	HL	23,322	11,906	11,416	A	15,303	1,610	A	4,399	A	631	A	805	A
21071210	HL	23,322	11,906	11,416	A	15,303	1,610	A	4,399	A	631	A	805	A
21071220	HL	23,322	11,906	11,416	A	15,303	1,610	A	4,399	A	631	A	805	A
21071230	HL	23,322	11,906	11,416	A	15,303	1,610	A	4,399	A	631	A	805	A
21071240	HL	23,322	11,906	11,416	A	15,303	1,610	A	4,399	A	631	A	805	A
21071250	HL	23,322	11,906	11,416	A	15,303	1,610	A	4,399	A	631	A	805	A
21071260	HL	23,322	11,906	11,416	A	15,303	1,610	A	4,399	A	631	A	805	A
21071270	OP	8,098	4,005	4,093	A	5,605	391	A	1,435	A	–	–	303	A
21071280	HL	23,322	11,906	11,416	A	15,303	1,610	A	4,399	A	631	A	805	A
21071290	OP	3,702	2,106	1,596	A	1,646	574	A	1,072	A	–	–	–	–

ELA Grade 6														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
21071300	OP	4,068	2,299	1,769	A	1,903	575	A	1,146	A	–	–	–	–
21071330	OP	5,183	2,742	2,440	A	3,607	302	A	844	A	–	–	–	–
21071340	OP	1,798	942	856	A	1,233	–	–	330	A	–	–	–	–
21071500	VL	1,250	652	598	A	–	–	–	–	–	–	–	–	–
21071510	VL	1,250	652	598	B+	–	–	–	–	–	–	–	–	–
21071560	VL	1,250	652	598	A	–	–	–	–	–	–	–	–	–
21072160	OP	1,537	716	821	B-	–	–	–	–	–	–	–	–	–
21072190	OP	2,000	916	1,083	A	–	–	–	–	–	–	–	–	–
21072890	VL	1,397	755	642	A	–	–	–	–	–	–	–	–	–
21073040	VL	1,397	755	642	B+	–	–	–	–	–	–	–	–	–
21073050	VL	1,397	755	642	A	–	–	–	–	–	–	–	–	–
21073070	VL	1,397	755	642	A	–	–	–	–	–	–	–	–	–
21073090	VL	1,397	755	642	A	–	–	–	–	–	–	–	–	–
21073590	VL	1,302	677	625	A	–	–	–	–	–	–	–	–	–
21073600	VL	1,302	677	625	A	–	–	–	–	–	–	–	–	–
21074010	VL	1,302	677	625	A	–	–	–	–	–	–	–	–	–
21074280	VL	1,302	677	625	A	–	–	–	–	–	–	–	–	–
21074340	VL	1,370	698	672	A	–	–	–	–	–	–	–	–	–
21074360	VL	1,370	698	672	A	–	–	–	–	–	–	–	–	–
21074370	OP	4,139	2,040	2,099	B-	3,249	–	–	487	B-	–	–	–	–
21074380	OP	11,474	5,908	5,566	A	7,581	715	A	2,199	B-	306	B-	408	A
21074390	OP	15,467	7,681	7,786	A	10,518	877	A	2,840	A	371	A	536	A
21074400	OP	3,692	1,637	2,054	A	2,836	–	–	426	A	–	–	–	–
21074410	OP	6,382	3,105	3,277	A	4,412	279	A	1,213	A	–	–	–	–
21074420	OP	3,834	2,111	1,723	A	1,857	510	A	1,051	A	–	–	–	–
21074450	OP	6,369	3,151	3,218	A	4,830	–	–	827	A	–	–	–	–
21074460	OP	3,211	1,513	1,697	A	2,548	–	–	352	A	–	–	–	–
21074470	OP	2,691	1,604	1,087	A	1,255	374	A	747	A	–	–	–	–
21074490	OP	5,440	2,858	2,582	A	2,929	575	A	1,423	A	–	–	–	–
21074500	HL	12,095	6,232	5,863	A	7,623	1,026	A	2,359	A	332	A	396	A
21074510	VL	1,370	698	672	A	–	–	–	–	–	–	–	–	–
21074520	VL	1,370	698	672	A	–	–	–	–	–	–	–	–	–

ELA Grade 6															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
21074530	OP	2,458	1,207	1,251	A	–	–	–	–	–	–	–	–	–	
21074550	OP	1,178	575	603	A	706	–	–	259	A	–	–	–	–	
21074560	OP	4,273	2,077	2,196	A	2,594	349	A	985	A	–	–	–	–	
21074570	OP	2,247	1,146	1,101	A	1,497	–	–	442	A	–	–	–	–	
21074590	OP	2,583	1,397	1,186	A	1,261	306	A	765	A	–	–	–	–	
21074600	OP	5,799	3,119	2,680	A	3,078	659	A	1,500	A	–	–	–	–	
21074610	HL	12,095	6,232	5,863	A	7,623	1,026	A	2,359	A	332	A	396	A	
21074620	OP	6,692	3,163	3,529	A	4,444	401	A	1,289	A	–	–	–	–	
21074630	OP	3,823	1,964	1,859	A	2,272	330	A	910	A	–	–	–	–	
21074640	OP	6,472	3,302	3,170	A	3,977	454	A	1,476	A	–	–	–	–	
21074650	OP	1,682	1,041	641	A	731	270	A	464	A	–	–	–	–	
21074670	OP	1,904	928	975	B+	–	–	–	–	–	–	–	–	–	
21074680	OP	784	397	387	A	–	–	–	–	–	–	–	–	–	
21074690	OP	2,223	1,212	1,011	A	1,042	310	A	619	A	–	–	–	–	
21074700	VL	1,370	698	672	A	–	–	–	–	–	–	–	–	–	
21074810	HL	12,095	6,232	5,863	A	7,623	1,026	A	2,359	A	332	A	396	A	
21074820	HL	12,095	6,232	5,863	A	7,623	1,026	A	2,359	A	332	A	396	A	
21077410	OP	2,000	916	1,083	A	–	–	–	–	–	–	–	–	–	
21077450	OP	2,000	915	1,083	C-	–	–	–	–	–	–	–	–	–	
21077500	HL	11,227	5,674	5,553	A	7,680	584	A	2,040	A	299	A	409	A	
21077760	VL	1,250	652	598	A	–	–	–	–	–	–	–	–	–	
21077850	VL	1,250	652	598	A	–	–	–	–	–	–	–	–	–	
21096450	HL	11,227	5,674	5,553	A	7,680	584	A	2,040	A	299	A	409	A	
21096470	HL	23,322	11,906	11,416	A	15,303	1,610	A	4,399	A	631	A	805	A	
21096490	HL	23,322	11,906	11,416	A	15,303	1,610	A	4,399	A	631	A	805	A	
21106460	OP	19,175	9,877	9,297	A	12,027	1,515	A	3,925	A	506	B+	660	A	
21107100	OP	6,814	3,503	3,311	A	5,023	256	A	1,020	A	–	–	–	–	
21107110	OP	1,609	825	784	A	866	–	–	440	A	–	–	–	–	
21107240	HL	12,095	6,232	5,863	A	7,623	1,026	A	2,359	A	332	A	396	A	
21107270	VL	1,302	677	625	A	–	–	–	–	–	–	–	–	–	
21107300	OP	5,315	2,433	2,881	A	4,018	–	–	654	A	–	–	–	–	
21107310	VL	1,370	698	671	A	–	–	–	–	–	–	–	–	–	

ELA Grade 6														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
21107390	VL	1,397	755	642	A	–	–	–	–	–	–	–	–	–
21107400	VL	1,302	677	625	A	–	–	–	–	–	–	–	–	–
21107510	VL	1,370	698	672	A	–	–	–	–	–	–	–	–	–
21107550	HL	11,227	5,674	5,553	A	7,680	584	A	2,040	A	299	A	409	A
21107580	OP	16,463	8,367	8,095	A	11,087	1,125	A	2,843	A	465	A	549	A
21107600	OP	23,097	11,796	11,300	A	15,108	1,606	A	4,389	A	623	A	797	A
21107740	OP	21,290	10,737	10,553	A	14,365	1,310	A	3,806	A	588	A	736	A
21107750	OP	23,301	11,890	11,411	A	15,294	1,605	A	4,394	A	631	A	804	A
21108160	OP	6,806	3,636	3,170	A	3,540	787	A	1,809	A	–	–	252	A
21108180	OP	11,406	5,877	5,529	A	7,520	713	A	2,198	A	301	A	409	A
21108190	HL	12,095	6,232	5,863	A	7,623	1,026	A	2,359	A	332	A	396	A
21108220	OP	15,516	7,708	7,808	A	10,540	887	A	2,851	A	372	A	539	A
21108440	OP	970	372	598	A	–	–	–	–	–	–	–	–	–
11189060	FT	1,147	578	569	A	–	–	–	–	–	–	–	–	–
11191450	FT	1,164	580	584	A	–	–	–	–	–	–	–	–	–
11191460	FT	1,144	573	571	A	–	–	–	–	–	–	–	–	–
11191500	FT	2,538	1,225	1,313	A	1,584	304	A	416	A	–	–	–	–
11191510	FT	1,586	755	831	A	1,011	–	–	322	A	–	–	–	–
11191540	FT	1,374	683	691	B+	879	–	–	272	A	–	–	–	–
11202130	FT	1,141	568	573	A	–	–	–	–	–	–	–	–	–
11202210	FT	1,167	593	574	A	–	–	–	–	–	–	–	–	–
11202240	FT	1,280	651	629	A	787	–	–	254	A	–	–	–	–
11202330	FT	1,161	581	580	A	–	–	–	–	–	–	–	–	–
11202340	FT	1,155	584	571	A	–	–	–	–	–	–	–	–	–
11202380	FT	1,216	604	612	A	777	–	–	264	A	–	–	–	–
11202540	FT	1,173	584	589	B+	–	–	–	–	–	–	–	–	–
11202560	FT	1,303	619	684	A	873	–	–	256	B-	–	–	–	–
11202670	FT	1,235	609	626	B+	793	–	–	267	A	–	–	–	–
11202920	FT	2,113	1,044	1,069	A	1,287	265	A	371	A	–	–	–	–
11202950	FT	1,753	927	826	A	1,060	–	–	291	A	–	–	–	–
11203110	FT	1,304	648	656	B+	845	–	–	258	A	–	–	–	–
11203150	FT	1,220	631	589	A	767	–	–	256	A	–	–	–	–

ELA Grade 6															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11203330	FT	2,486	1,210	1,276	A	1,532	285	A	439	A	–	–	–	–	
11203340	FT	2,861	1,350	1,511	A	1,837	290	A	474	A	–	–	–	–	
11203350	FT	1,510	719	791	A	992	–	–	281	A	–	–	–	–	
11203360	FT	2,130	1,060	1,070	A	1,274	259	A	384	A	–	–	–	–	
11203370	FT	1,487	684	803	A	1,002	–	–	278	A	–	–	–	–	
11203380	FT	2,692	1,279	1,413	A	1,710	302	A	438	A	–	–	–	–	
11203520	FT	1,219	622	597	A	–	–	–	–	–	–	–	–	–	
11203530	FT	1,173	586	587	A	–	–	–	–	–	–	–	–	–	
11203630	FT	1,213	615	598	A	–	–	–	–	–	–	–	–	–	
11203720	FT	1,301	638	663	A	863	–	–	252	C-	–	–	–	–	
11203890	FT	1,155	581	574	A	738	–	–	250	A	–	–	–	–	
11203910	FT	1,159	583	576	A	–	–	–	–	–	–	–	–	–	
11217240	FT	1,198	602	596	A	–	–	–	–	–	–	–	–	–	
11217250	FT	1,175	604	571	A	–	–	–	–	–	–	–	–	–	
11217260	FT	1,147	585	562	A	–	–	–	–	–	–	–	–	–	
11217270	FT	1,137	570	567	A	–	–	–	–	–	–	–	–	–	
11217290	FT	1,176	598	578	A	–	–	–	–	–	–	–	–	–	
11217300	FT	1,130	566	564	A	–	–	–	–	–	–	–	–	–	
11217310	FT	1,136	573	563	A	–	–	–	–	–	–	–	–	–	
11217320	FT	1,182	594	588	A	–	–	–	–	–	–	–	–	–	
11217330	FT	1,183	599	584	A	–	–	–	–	–	–	–	–	–	
11217360	FT	1,145	582	563	A	–	–	–	–	–	–	–	–	–	
11217370	FT	1,188	600	588	A	–	–	–	–	–	–	–	–	–	
11219620	FT	1,152	572	580	B+	–	–	–	–	–	–	–	–	–	
11219630	FT	1,177	591	586	C+	–	–	–	–	–	–	–	–	–	
11219640	FT	1,132	568	564	A	–	–	–	–	–	–	–	–	–	
11219660	FT	1,131	565	566	A	–	–	–	–	–	–	–	–	–	
11219680	FT	1,151	579	572	A	–	–	–	–	–	–	–	–	–	
11219690	FT	1,133	569	564	A	–	–	–	–	–	–	–	–	–	
11219700	FT	1,138	567	571	A	–	–	–	–	–	–	–	–	–	
11219710	FT	1,132	566	566	B-	–	–	–	–	–	–	–	–	–	
11219830	FT	1,137	568	569	B+	–	–	–	–	–	–	–	–	–	

ELA Grade 6															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11219840	FT	1,178	596	582	A	–	–	–	–	–	–	–	–	–	
11219850	FT	1,129	565	564	A	–	–	–	–	–	–	–	–	–	
11219860	FT	1,133	570	563	A	–	–	–	–	–	–	–	–	–	
11219890	FT	1,185	595	590	A	–	–	–	–	–	–	–	–	–	
11219980	FT	1,181	596	585	A	–	–	–	–	–	–	–	–	–	
11220220	FT	1,183	595	588	A	–	–	–	–	–	–	–	–	–	
11220370	FT	1,142	582	560	A	–	–	–	–	–	–	–	–	–	
11220420	FT	1,191	605	586	A	–	–	–	–	–	–	–	–	–	
11220440	FT	1,133	572	561	A	–	–	–	–	–	–	–	–	–	
11220470	FT	1,127	572	555	A	–	–	–	–	–	–	–	–	–	
11220480	FT	1,173	590	583	A	–	–	–	–	–	–	–	–	–	
11220720	FT	1,184	607	577	A	–	–	–	–	–	–	–	–	–	
11220790	FT	1,172	590	582	B-	–	–	–	–	–	–	–	–	–	
11220810	FT	1,189	597	592	A	–	–	–	–	–	–	–	–	–	
11220820	FT	1,145	574	571	A	–	–	–	–	–	–	–	–	–	
11220830	FT	1,144	579	565	A	–	–	–	–	–	–	–	–	–	
11221060	FT	1,180	595	585	A	–	–	–	–	–	–	–	–	–	
11221460	FT	1,128	562	566	A	–	–	–	–	–	–	–	–	–	
11221630	FT	1,134	567	567	A	–	–	–	–	–	–	–	–	–	
11221900	FT	1,183	598	585	A	–	–	–	–	–	–	–	–	–	
11221970	FT	1,175	593	582	A	–	–	–	–	–	–	–	–	–	
11222030	FT	1,133	574	559	A	–	–	–	–	–	–	–	–	–	
11222090	FT	1,207	611	596	A	–	–	–	–	–	–	–	–	–	
11222110	FT	1,140	570	570	A	–	–	–	–	–	–	–	–	–	
11222130	FT	1,130	568	562	A	–	–	–	–	–	–	–	–	–	
11222190	FT	1,135	577	558	A	–	–	–	–	–	–	–	–	–	
11222240	FT	1,151	580	571	B+	719	–	–	258	A	–	–	–	–	
11222300	FT	1,186	599	587	B+	–	–	–	–	–	–	–	–	–	
11222420	FT	1,138	569	569	A	–	–	–	–	–	–	–	–	–	
11222620	FT	1,177	598	579	B+	–	–	–	–	–	–	–	–	–	
11222720	FT	1,139	572	567	A	–	–	–	–	–	–	–	–	–	
11222840	FT	1,141	573	568	A	–	–	–	–	–	–	–	–	–	

ELA Grade 6															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11222890	FT	1,140	579	561	A	–	–	–	–	–	–	–	–	–	
11222970	FT	1,151	585	566	A	–	–	–	–	–	–	–	–	–	
11223040	FT	1,133	570	563	A	–	–	–	–	–	–	–	–	–	
11223200	FT	1,113	569	544	B+	–	–	–	–	–	–	–	–	–	
11223300	FT	1,124	570	554	A	–	–	–	–	–	–	–	–	–	
11223340	FT	1,130	575	555	A	–	–	–	–	–	–	–	–	–	
11223350	FT	1,130	572	558	A	–	–	–	–	–	–	–	–	–	
11223420	FT	1,127	573	554	A	–	–	–	–	–	–	–	–	–	
11223430	FT	1,144	580	564	A	–	–	–	–	–	–	–	–	–	
11223840	FT	1,229	616	613	A	–	–	–	–	–	–	–	–	–	
11223850	FT	1,283	653	630	A	821	–	–	255	A	–	–	–	–	
11223860	FT	1,184	582	602	A	–	–	–	–	–	–	–	–	–	
11223910	FT	1,275	632	643	A	804	–	–	257	A	–	–	–	–	
11223930	FT	1,611	762	849	A	1,084	–	–	303	A	–	–	–	–	

Table I.5. DIF Item-Level Statistics—ELA Grade 7

ELA Grade 7															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11191840	VL	1,459	752	707	A	988	–	–	271	A	–	–	–	–	
11191960	VL	1,457	753	704	A	996	–	–	267	A	–	–	–	–	
21048190	VL	1,459	752	707	A	988	–	–	271	A	–	–	–	–	
21048230	VL	1,457	753	704	A	996	–	–	267	A	–	–	–	–	
21048300	VL	1,518	778	740	A	970	–	–	268	A	–	–	–	–	
21048350	VL	1,518	778	740	A	970	–	–	268	A	–	–	–	–	
21048360	VL	1,444	746	698	A	957	–	–	268	A	–	–	–	–	
21048370	OP	20,677	10,788	9,887	A	13,442	1,487	A	3,972	A	522	A	707	A	
21048380	HL	11,530	5,930	5,599	A	7,585	860	A	2,084	A	304	A	405	A	
21048390	OP	12,204	6,370	5,832	A	8,036	823	A	2,286	A	321	A	406	A	
21048400	HL	11,530	5,930	5,599	A	7,585	860	A	2,084	A	304	A	405	A	

ELA Grade 7														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
21048410	HL	22,965	11,810	11,154	A	15,296	1,545	A	4,171	A	604	A	777	A
21048420	HL	22,965	11,810	11,154	A	15,296	1,545	A	4,171	A	604	B-	777	A
21048430	HL	22,965	11,810	11,154	A	15,296	1,545	A	4,171	A	604	A	777	A
21048440	OP	22,196	11,318	10,877	A	14,969	1,407	A	3,972	A	583	A	743	A
21048450	HL	22,965	11,810	11,154	A	15,296	1,545	A	4,171	A	604	A	777	A
21051920	OP	11,435	5,879	5,555	A	7,710	685	A	2,087	A	300	A	372	A
21051940	OP	7,849	3,846	4,003	A	5,779	309	A	1,172	A	–	–	–	–
21052170	OP	4,527	2,436	2,091	A	2,734	342	A	1,021	A	–	–	–	–
21052230	OP	10,925	5,543	5,382	A	7,506	594	A	1,933	A	287	B-	354	A
21052240	OP	10,109	5,206	4,903	A	6,787	608	A	1,881	A	252	A	338	A
21071200	VL	1,459	752	707	A	988	–	–	271	A	–	–	–	–
21071210	VL	1,457	753	704	A	996	–	–	267	A	–	–	–	–
21071220	VL	1,459	752	707	A	988	–	–	271	A	–	–	–	–
21071230	VL	1,459	752	707	A	988	–	–	271	A	–	–	–	–
21071240	VL	1,459	752	707	A	988	–	–	271	A	–	–	–	–
21071250	VL	1,457	753	704	A	996	–	–	267	A	–	–	–	–
21071260	VL	1,457	753	704	A	996	–	–	267	A	–	–	–	–
21071280	VL	1,457	753	704	A	996	–	–	267	A	–	–	–	–
21071370	HL	22,965	11,810	11,154	B+	15,296	1,545	A	4,171	A	604	A	777	A
21071380	HL	22,965	11,810	11,154	A	15,296	1,545	A	4,171	A	604	A	777	A
21071410	HL	22,965	11,810	11,154	A	15,296	1,545	A	4,171	A	604	A	777	A
21071430	OP	4,318	2,471	1,846	A	2,355	495	A	1,033	A	–	–	–	–
21071470	OP	4,313	2,078	2,235	A	3,392	–	–	494	A	–	–	–	–
21071480	OP	15,579	7,821	7,758	B-	11,017	827	A	2,497	A	436	A	507	A
21071500	HL	11,530	5,930	5,599	A	7,585	860	A	2,084	A	304	A	405	A
21071510	HL	11,530	5,930	5,599	B+	7,585	860	A	2,084	A	304	A	405	A
21071550	OP	4,152	2,449	1,702	A	2,474	360	A	925	A	–	–	–	–
21071560	HL	11,530	5,930	5,599	A	7,585	860	A	2,084	A	304	A	405	A
21071700	VL	1,518	778	740	A	970	–	–	268	A	–	–	–	–
21071710	VL	1,518	778	740	A	970	–	–	268	A	–	–	–	–
21071720	VL	1,518	778	740	A	970	–	–	268	A	–	–	–	–
21072320	HL	22,965	11,810	11,154	A	15,296	1,545	A	4,171	A	604	A	777	A

ELA Grade 7													
			Gender			Ethnicity							
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
21072330	HL	22,965	11,810	11,154	A	15,296	1,545	A	4,171	A	604	A	777	A
21072340	HL	22,965	11,810	11,154	A	15,296	1,545	A	4,171	A	604	A	777	A
21072350	HL	22,965	11,810	11,154	A	15,296	1,545	A	4,171	A	604	A	777	A
21072370	OP	3,507	1,663	1,844	A	2,761	–	–	386	B+	–	–	–	–
21072540	VL	1,444	746	698	A	957	–	–	268	A	–	–	–	–
21072550	VL	1,444	746	698	A	957	–	–	268	A	–	–	–	–
21072560	VL	1,444	746	698	A	957	–	–	268	A	–	–	–	–
21072570	VL	1,444	746	698	A	957	–	–	268	A	–	–	–	–
21072590	VL	1,444	746	698	A	957	–	–	268	A	–	–	–	–
21073820	OP	2,299	1,084	1,215	A	1,662	–	–	394	A	–	–	–	–
21073830	OP	2,154	991	1,163	A	1,568	–	–	369	A	–	–	–	–
21073850	OP	1,348	607	741	A	–	–	–	–	–	–	–	–	–
21073870	OP	867	439	428	A	–	–	–	–	–	–	–	–	–
21073890	OP	1,303	566	737	A	–	–	–	–	–	–	–	–	–
21073900	OP	7,086	4,024	3,062	A	3,778	821	A	1,789	A	–	–	274	A
21073910	OP	1,274	757	517	A	680	–	–	327	A	–	–	–	–
21073920	OP	5,787	3,264	2,523	A	3,049	653	A	1,517	A	–	–	–	–
21073930	OP	8,689	4,739	3,950	A	5,000	877	A	1,982	A	–	–	333	A
21073940	OP	2,386	1,308	1,078	A	1,459	–	–	519	A	–	–	–	–
21073960	OP	1,119	474	645	A	–	–	–	–	–	–	–	–	–
21073970	OP	6,767	3,317	3,449	A	4,710	434	A	1,062	A	–	–	–	–
21074150	OP	1,577	865	711	A	899	–	–	306	A	–	–	–	–
21074180	OP	2,552	1,245	1,307	A	1,753	–	–	454	A	–	–	–	–
21074190	OP	963	590	372	A	–	–	–	–	–	–	–	–	–
21074340	HL	11,435	5,880	5,555	A	7,711	685	A	2,087	A	300	C-	372	A
21074360	HL	11,435	5,880	5,555	A	7,711	685	A	2,087	A	300	A	372	B+
21074440	OP	3,522	1,908	1,614	A	1,967	330	A	883	A	–	–	–	–
21074510	HL	11,435	5,880	5,555	A	7,711	685	A	2,087	A	300	A	372	A
21074520	HL	11,435	5,880	5,555	A	7,711	685	A	2,087	A	300	A	372	A
21074700	HL	11,435	5,880	5,555	A	7,711	685	A	2,087	A	300	A	372	A
21074710	OP	2,457	1,180	1,277	A	1,949	–	–	269	A	–	–	–	–
21074730	OP	10,120	5,747	4,372	A	5,570	1,082	A	2,465	A	–	–	391	A

ELA Grade 7														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
21074740	OP	9,726	4,497	5,229	A	7,573	320	A	1,126	A	301	A	284	A
21074750	OP	20,832	10,765	10,066	A	13,821	1,422	A	3,785	A	566	B-	713	A
21074760	OP	2,010	952	1,058	A	–	–	–	–	–	–	–	–	–
21074770	OP	2,619	1,331	1,288	A	1,772	–	–	510	A	–	–	–	–
21074780	OP	1,875	1,157	718	A	871	274	A	519	A	–	–	–	–
21074790	OP	3,619	1,854	1,765	A	2,226	251	A	835	A	–	–	–	–
21074800	OP	2,534	1,209	1,325	A	1,809	–	–	452	A	–	–	–	–
21075750	VL	1,444	746	698	A	957	–	–	268	A	–	–	–	–
21076940	HL	22,965	11,810	11,154	A	15,296	1,545	A	4,171	A	604	A	777	A
21076950	OP	8,499	4,129	4,370	A	6,036	440	A	1,341	A	–	–	275	A
21077590	OP	2,010	1,128	882	A	1,046	–	–	548	A	–	–	–	–
21077650	OP	4,520	2,208	2,312	A	3,479	–	–	553	A	–	–	–	–
21077720	OP	2,498	1,315	1,183	A	1,575	–	–	529	A	–	–	–	–
21077740	OP	11,590	5,965	5,624	A	7,626	864	A	2,095	A	306	B+	405	A
21077760	HL	11,530	5,930	5,599	A	7,585	860	A	2,084	A	304	A	405	A
21077790	OP	550	292	258	A	–	–	–	–	–	–	–	–	–
21077850	HL	11,530	5,930	5,599	A	7,585	860	A	2,084	A	304	A	405	A
21077880	OP	11,530	5,930	5,599	A	7,585	860	A	2,084	A	304	A	405	A
21077960	OP	15,869	7,961	7,908	A	11,079	944	A	2,562	A	440	A	521	A
21078000	OP	8,327	3,923	4,404	A	5,978	417	A	1,254	A	–	–	270	A
21096440	HL	22,965	11,810	11,154	A	15,296	1,545	A	4,171	A	604	A	777	A
21096470	VL	1,457	753	704	A	996	–	–	267	A	–	–	–	–
21096490	VL	1,459	752	707	A	988	–	–	271	A	–	–	–	–
21107060	OP	12,463	6,462	6,001	A	8,286	797	A	2,311	A	310	A	451	A
21107120	OP	3,641	1,697	1,944	A	2,814	–	–	434	A	–	–	–	–
21107310	HL	11,435	5,880	5,555	A	7,711	685	A	2,087	A	300	A	372	A
21107320	OP	17,057	8,658	8,398	A	11,684	1,097	A	2,855	A	464	A	572	A
21107430	VL	1,518	778	740	A	970	–	–	268	A	–	–	–	–
21107510	HL	11,435	5,880	5,555	A	7,711	685	A	2,087	A	300	A	372	A
21107530	OP	11,530	5,930	5,599	A	7,585	860	A	2,084	A	304	B+	405	A
21107770	OP	16,444	8,291	8,152	A	11,441	992	A	2,667	A	452	A	543	A
21107880	OP	21,755	11,270	10,484	A	14,434	1,412	A	4,018	A	596	A	750	A

ELA Grade 7														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
21108230	OP	9,234	5,056	4,178	A	5,320	921	A	2,116	A	–	–	345	A
21108240	OP	7,140	3,469	3,670	A	5,047	439	A	1,074	A	–	–	–	–
21108260	OP	6,409	3,483	2,926	A	3,809	541	A	1,467	A	–	–	–	–
21108280	OP	2,327	1,105	1,222	A	1,682	–	–	400	A	–	–	–	–
21108290	OP	22,965	11,810	11,154	A	15,296	1,545	A	4,171	A	604	A	777	A
21108490	HL	22,965	11,810	11,154	A	15,296	1,545	A	4,171	A	604	A	777	A
21109000	OP	6,837	3,308	3,528	A	4,900	364	A	1,018	A	–	–	–	–
31193000	OP	13,723	6,900	6,822	A	9,563	743	A	2,286	A	382	A	442	A
31196480	VL	1,518	778	740	A	970	–	–	268	A	–	–	–	–
11193070	FT	1,120	580	540	A	–	–	–	–	–	–	–	–	–
11193100	FT	1,112	577	535	B+	–	–	–	–	–	–	–	–	–
11193110	FT	1,110	577	533	A	–	–	–	–	–	–	–	–	–
11193120	FT	1,398	725	673	A	942	–	–	260	A	–	–	–	–
11193130	FT	1,401	731	670	B+	944	–	–	260	A	–	–	–	–
11193140	FT	1,110	576	534	A	–	–	–	–	–	–	–	–	–
11193150	FT	1,405	730	675	A	943	–	–	258	A	–	–	–	–
11194750	FT	1,409	729	680	A	943	–	–	261	A	–	–	–	–
11194760	FT	1,108	575	533	A	–	–	–	–	–	–	–	–	–
11194770	FT	1,118	583	535	A	–	–	–	–	–	–	–	–	–
11194790	FT	1,410	730	680	A	956	–	–	258	A	–	–	–	–
11194800	FT	1,116	581	535	A	–	–	–	–	–	–	–	–	–
11194810	FT	1,117	579	538	A	–	–	–	–	–	–	–	–	–
11194820	FT	1,123	581	542	A	–	–	–	–	–	–	–	–	–
11195000	FT	1,115	577	538	A	–	–	–	–	–	–	–	–	–
11195010	FT	1,117	578	539	A	–	–	–	–	–	–	–	–	–
11195230	FT	1,114	579	535	A	–	–	–	–	–	–	–	–	–
11195290	FT	1,121	586	535	A	–	–	–	–	–	–	–	–	–
11195330	FT	1,110	573	537	A	–	–	–	–	–	–	–	–	–
11195360	FT	1,124	586	538	A	–	–	–	–	–	–	–	–	–
11204630	FT	1,119	580	539	A	–	–	–	–	–	–	–	–	–
11204650	FT	1,150	595	555	A	–	–	–	–	–	–	–	–	–
11204710	FT	1,275	602	673	A	–	–	–	–	–	–	–	–	–

ELA Grade 7															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11204940	FT	1,182	585	596	A	–	–	–	–	–	–	–	–	–	
11205060	FT	1,122	581	541	A	–	–	–	–	–	–	–	–	–	
11205120	FT	1,141	590	551	A	–	–	–	–	–	–	–	–	–	
11205190	FT	1,123	585	538	A	–	–	–	–	–	–	–	–	–	
11205200	FT	1,116	577	539	A	–	–	–	–	–	–	–	–	–	
11205310	FT	1,120	581	539	A	–	–	–	–	–	–	–	–	–	
11205350	FT	1,120	581	539	A	–	–	–	–	–	–	–	–	–	
11205460	FT	1,134	584	550	C+	–	–	–	–	–	–	–	–	–	
11206090	FT	1,115	573	542	A	–	–	–	–	–	–	–	–	–	
11206100	FT	1,352	597	755	A	–	258	A	–	–	–	–	–	–	
11206120	FT	1,116	580	536	A	–	–	–	–	–	–	–	–	–	
11206130	FT	1,192	589	603	A	–	–	–	–	–	–	–	–	–	
11206150	FT	1,127	588	539	A	–	–	–	–	–	–	–	–	–	
11218230	FT	1,309	586	723	A	–	–	–	–	–	–	–	–	–	
11218250	FT	1,142	592	550	A	–	–	–	–	–	–	–	–	–	
11218330	FT	1,118	576	542	C+	–	–	–	–	–	–	–	–	–	
11218350	FT	1,127	580	547	A	–	–	–	–	–	–	–	–	–	
11218380	FT	1,266	591	675	A	–	–	–	–	–	–	–	–	–	
11218490	FT	1,148	593	555	A	–	–	–	–	–	–	–	–	–	
11218510	FT	1,123	579	544	A	–	–	–	–	–	–	–	–	–	
11218640	FT	1,119	577	542	A	–	–	–	–	–	–	–	–	–	
11218660	FT	1,126	587	539	A	–	–	–	–	–	–	–	–	–	
11218680	FT	1,319	584	735	A	–	257	A	–	–	–	–	–	–	
11218720	FT	1,234	587	647	A	–	–	–	–	–	–	–	–	–	
11218730	FT	1,119	584	535	A	–	–	–	–	–	–	–	–	–	
11218760	FT	1,126	584	542	A	–	–	–	–	–	–	–	–	–	
11218810	FT	1,265	592	673	A	–	–	–	–	–	–	–	–	–	
11220000	FT	1,109	574	535	A	–	–	–	–	–	–	–	–	–	
11220010	FT	1,403	728	675	A	935	–	–	257	A	–	–	–	–	
11220020	FT	1,117	578	539	A	–	–	–	–	–	–	–	–	–	
11220030	FT	1,404	726	678	A	941	–	–	258	A	–	–	–	–	
11220050	FT	1,105	572	533	A	–	–	–	–	–	–	–	–	–	

ELA Grade 7															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11220060	FT	1,113	578	535	A	–	–	–	–	–	–	–	–	–	
11220070	FT	1,109	580	529	B+	–	–	–	–	–	–	–	–	–	
11220080	FT	1,106	579	527	A	–	–	–	–	–	–	–	–	–	
11220120	FT	1,111	577	534	A	–	–	–	–	–	–	–	–	–	
11220130	FT	1,113	576	537	A	–	–	–	–	–	–	–	–	–	
11220140	FT	1,111	575	536	C+	–	–	–	–	–	–	–	–	–	
11220150	FT	1,104	572	532	A	–	–	–	–	–	–	–	–	–	
11222450	FT	1,123	582	541	A	–	–	–	–	–	–	–	–	–	
11222460	FT	1,122	583	539	A	–	–	–	–	–	–	–	–	–	
11222540	FT	1,116	579	537	A	–	–	–	–	–	–	–	–	–	
11222580	FT	1,405	729	676	A	954	–	–	259	A	–	–	–	–	
11222750	FT	1,409	731	678	A	953	–	–	260	B-	–	–	–	–	
11222760	FT	1,122	581	541	A	–	–	–	–	–	–	–	–	–	
11223090	FT	1,119	582	537	A	–	–	–	–	–	–	–	–	–	
11223130	FT	1,119	579	540	A	–	–	–	–	–	–	–	–	–	
11223170	FT	1,116	579	537	A	–	–	–	–	–	–	–	–	–	
11223180	FT	1,120	582	538	A	–	–	–	–	–	–	–	–	–	
11223320	FT	1,111	573	538	A	–	–	–	–	–	–	–	–	–	
11223370	FT	1,401	730	671	A	958	–	–	258	A	–	–	–	–	
11224070	FT	1,119	578	541	A	–	–	–	–	–	–	–	–	–	
11224080	FT	1,111	573	538	A	–	–	–	–	–	–	–	–	–	
11224090	FT	1,414	738	675	A	949	–	–	261	A	–	–	–	–	
11224100	FT	1,395	722	673	A	952	–	–	257	A	–	–	–	–	
11224110	FT	1,119	579	540	A	–	–	–	–	–	–	–	–	–	
11224280	FT	1,116	577	538	A	–	–	–	–	–	–	–	–	–	
11224290	FT	1,118	579	538	A	–	–	–	–	–	–	–	–	–	
11224300	FT	1,114	580	533	A	–	–	–	–	–	–	–	–	–	
11224310	FT	1,112	575	537	A	–	–	–	–	–	–	–	–	–	
11224320	FT	1,399	728	670	A	943	–	–	261	B-	–	–	–	–	
11224330	FT	1,401	731	670	A	941	–	–	253	A	–	–	–	–	
11224340	FT	1,118	582	535	A	–	–	–	–	–	–	–	–	–	
11224350	FT	1,114	574	540	A	–	–	–	–	–	–	–	–	–	

ELA Grade 7															
			Gender			Ethnicity									
			Male	Female		White	Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	(Reference) N	N	DIF	(Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11225390	FT	1,118	580	538	A	–	–	–	–	–	–	–	–	–	
11225400	FT	1,121	578	543	A	–	–	–	–	–	–	–	–	–	
11225430	FT	1,114	580	534	A	–	–	–	–	–	–	–	–	–	
11225480	FT	1,134	591	543	A	–	–	–	–	–	–	–	–	–	
21109560	FT	1,117	579	538	A	–	–	–	–	–	–	–	–	–	
21109570	FT	1,175	615	560	A	–	–	–	–	–	–	–	–	–	
21109580	FT	1,111	575	536	A	–	–	–	–	–	–	–	–	–	
21109590	FT	1,116	578	538	A	–	–	–	–	–	–	–	–	–	
21109600	FT	1,175	615	560	A	–	–	–	–	–	–	–	–	–	
21109610	FT	1,175	615	560	A	–	–	–	–	–	–	–	–	–	
21109620	FT	1,106	576	530	A	–	–	–	–	–	–	–	–	–	
21109630	FT	1,112	581	531	A	–	–	–	–	–	–	–	–	–	
21109640	FT	1,110	580	530	A	–	–	–	–	–	–	–	–	–	
21109650	FT	1,109	575	534	A	–	–	–	–	–	–	–	–	–	
21111260	FT	1,175	615	560	A	–	–	–	–	–	–	–	–	–	

Table I.6. DIF Item-Level Statistics—ELA Grade 8

ELA Grade 8															
			Gender			Ethnicity									
			Male	Female		White	Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	(Reference) N	N	DIF	(Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11191050	OP	1,615	933	682	A	908	–	–	424	A	–	–	–	–	
11191060	OP	1,615	933	682	A	908	–	–	424	A	–	–	–	–	
11191070	OP	2,865	1,782	1,083	A	1,362	390	A	778	A	–	–	–	–	
11191080	OP	3,003	1,871	1,132	A	1,438	402	A	812	A	–	–	–	–	
11191110	OP	7,150	3,554	3,595	A	5,129	312	A	1,223	A	–	–	–	–	
11191130	OP	2,794	1,392	1,402	A	1,945	–	–	513	A	–	–	–	–	
11191140	OP	7,314	3,249	4,065	A	5,849	–	–	757	A	–	–	–	–	
11191150	OP	632	380	252	A	–	–	–	–	–	–	–	–	–	
11191160	OP	11,469	5,258	6,211	A	8,870	355	A	1,443	A	323	A	336	A	
11191170	OP	3,586	1,834	1,752	A	2,397	–	–	734	A	–	–	–	–	

ELA Grade 8															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11191220	OP	4,433	1,881	2,552	A	3,670	–	–	352	A	–	–	–	–	
11191240	OP	3,984	1,698	2,286	A	3,303	–	–	303	A	–	–	–	–	
11191250	OP	4,442	1,882	2,560	A	3,679	–	–	352	A	–	–	–	–	
11223490	OP	4,442	1,882	2,560	A	3,679	–	–	352	A	–	–	–	–	
11223500	OP	16,083	8,700	7,383	A	9,960	1,252	A	3,472	A	409	A	503	A	
21048270	OP	2,721	1,189	1,532	A	–	–	–	–	–	–	–	–	–	
21048280	OP	11,793	6,715	5,077	A	6,774	1,111	A	2,803	A	292	A	377	A	
21048290	OP	2,100	893	1,207	A	–	–	–	–	–	–	–	–	–	
21048300	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A	
21048310	OP	20,432	10,675	9,755	A	13,332	1,392	A	4,025	A	516	A	631	A	
21048320	OP	15,768	8,601	7,165	A	9,637	1,280	A	3,485	A	394	A	478	A	
21048330	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A	
21048340	OP	8,288	3,817	4,470	B-	6,377	255	B-	1,089	C-	–	–	250	A	
21048350	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A	
21048360	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A	
21048410	VL	1,250	641	609	A	–	–	–	–	–	–	–	–	–	
21048420	VL	1,250	641	609	A	–	–	–	–	–	–	–	–	–	
21048430	VL	1,250	641	609	A	–	–	–	–	–	–	–	–	–	
21048450	VL	1,250	641	609	A	–	–	–	–	–	–	–	–	–	
21049570	OP	1,152	653	499	A	677	–	–	275	C-	–	–	–	–	
21049630	OP	722	401	321	A	–	–	–	–	–	–	–	–	–	
21049770	OP	1,086	613	473	A	644	–	–	254	A	–	–	–	–	
21049930	OP	733	393	340	A	–	–	–	–	–	–	–	–	–	
21049960	OP	815	437	378	B-	–	–	–	–	–	–	–	–	–	
21050170	OP	795	423	372	A	–	–	–	–	–	–	–	–	–	
21071370	VL	1,250	641	609	A	–	–	–	–	–	–	–	–	–	
21071380	VL	1,250	641	609	A	–	–	–	–	–	–	–	–	–	
21071410	VL	1,250	641	609	A	–	–	–	–	–	–	–	–	–	
21071580	OP	1,689	814	874	A	1,222	–	–	278	A	–	–	–	–	
21071590	OP	7,202	3,582	3,619	A	5,168	314	A	1,233	A	–	–	–	–	
21071660	OP	2,503	1,270	1,233	A	1,845	–	–	407	A	–	–	–	–	
21071690	OP	2,900	1,786	1,114	A	1,388	358	A	815	A	–	–	–	–	

ELA Grade 8														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
21071700	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A
21071710	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A
21071720	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A
21071740	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A
21071750	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A
21071760	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A
21071770	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A
21072320	VL	1,250	641	609	B-	–	–	–	–	–	–	–	–	–
21072330	VL	1,250	641	609	A	–	–	–	–	–	–	–	–	–
21072340	VL	1,250	641	609	A	–	–	–	–	–	–	–	–	–
21072350	VL	1,250	641	609	A	–	–	–	–	–	–	–	–	–
21072460	OP	828	492	336	A	–	–	–	–	–	–	–	–	–
21072490	OP	1,696	1,108	588	A	757	–	–	468	A	–	–	–	–
21072540	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A
21072550	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A
21072560	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A
21072570	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A
21072590	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A
21073230	OP	1,486	938	548	A	676	–	–	405	A	–	–	–	–
21073270	OP	23,252	11,912	11,339	A	15,681	1,442	A	4,218	A	630	A	718	A
21073280	OP	17,398	8,618	8,779	A	12,140	928	A	2,940	A	483	A	542	A
21073300	OP	891	580	311	A	358	–	–	259	A	–	–	–	–
21073310	OP	15,248	7,166	8,082	A	11,482	541	A	2,137	A	424	A	453	A
21073330	OP	2,650	1,699	951	A	1,166	411	A	724	A	–	–	–	–
21073360	OP	4,481	2,125	2,355	A	3,306	–	–	692	A	–	–	–	–
21073390	OP	8,764	3,968	4,796	A	6,869	–	–	1,036	A	271	A	262	A
21073410	OP	11,092	5,079	6,013	A	8,452	369	A	1,437	A	331	A	344	A
21073440	OP	1,581	811	769	A	1,039	–	–	323	A	–	–	–	–
21073450	OP	3,954	1,938	2,015	A	2,824	–	–	678	A	–	–	–	–
21073460	OP	9,094	4,519	4,573	A	6,424	413	A	1,603	A	–	–	266	A
21073520	OP	2,307	1,504	803	A	965	373	B+	651	A	–	–	–	–
21073640	OP	2,304	1,501	803	A	957	374	A	656	A	–	–	–	–

ELA Grade 8														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
21073670	OP	1,739	746	993	A	–	–	–	–	–	–	–	–	–
21073700	OP	1,761	758	1,003	A	–	–	–	–	–	–	–	–	–
21073710	OP	1,761	758	1,003	C-	–	–	–	–	–	–	–	–	–
21073730	OP	2,171	1,274	897	A	1,210	–	–	554	A	–	–	–	–
21073770	OP	6,395	3,540	2,855	A	3,753	549	A	1,534	A	–	–	–	–
21073780	OP	7,063	3,953	3,110	A	4,137	602	A	1,700	A	–	–	–	–
21073790	OP	4,674	2,558	2,116	A	2,862	331	A	1,078	A	–	–	–	–
21073800	OP	879	531	348	A	–	–	–	–	–	–	–	–	–
21075700	OP	2,993	1,864	1,129	A	1,431	402	A	812	A	–	–	–	–
21075750	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A
21076520	OP	1,615	933	682	A	908	–	–	424	A	–	–	–	–
21076940	VL	1,250	641	609	A	–	–	–	–	–	–	–	–	–
21096290	HL	23,252	11,912	11,340	A	15,682	1,442	B-	4,218	C-	630	C-	718	A
21096370	OP	23,252	11,911	11,339	A	15,680	1,442	A	4,218	A	630	A	718	A
21096440	VL	1,250	641	609	A	–	–	–	–	–	–	–	–	–
21107340	OP	2,770	1,730	1,040	A	1,299	393	A	735	A	–	–	–	–
21107350	OP	7,731	4,613	3,118	A	4,051	880	A	2,008	A	–	–	256	A
21107360	OP	7,026	3,106	3,920	A	5,643	–	–	708	A	–	–	–	–
21107430	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A
21107450	OP	13,379	6,169	7,209	A	10,217	428	A	1,773	A	393	A	401	A
21107780	OP	7,202	3,582	3,619	A	5,168	314	A	1,233	A	–	–	–	–
21107790	OP	22,730	11,652	11,078	A	15,341	1,407	A	4,128	A	608	A	699	A
21108310	OP	2,764	1,729	1,035	A	1,296	392	A	733	A	–	–	–	–
21108320	OP	1,761	758	1,003	A	–	–	–	–	–	–	–	–	–
21108330	OP	7,063	3,953	3,110	A	4,137	602	A	1,700	A	–	–	–	–
21108350	OP	15,466	7,259	8,205	A	11,602	555	A	2,190	A	436	A	462	A
21108370	OP	21,106	10,531	10,575	A	14,762	1,106	A	3,614	A	569	A	646	A
21108480	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A
21108490	VL	1,250	641	609	A	–	–	–	–	–	–	–	–	–
21108980	OP	1,060	631	429	A	582	–	–	289	A	–	–	–	–
31196380	OP	18,527	9,585	8,941	A	12,332	1,229	A	3,392	A	504	A	588	A
31196480	HL	23,252	11,912	11,340	A	15,682	1,442	A	4,218	A	630	A	718	A

ELA Grade 8															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31232250	OP	7,223	3,821	3,402	A	4,803	425	A	1,470	A	–	–	–	–	
11192230	FT	941	551	390	A	–	–	–	–	–	–	–	–	–	
11192240	FT	1,932	1,130	802	A	1,262	–	–	399	A	–	–	–	–	
11192250	FT	941	549	392	A	–	–	–	–	–	–	–	–	–	
11192260	FT	941	551	390	A	–	–	–	–	–	–	–	–	–	
11192270	FT	942	550	392	A	–	–	–	–	–	–	–	–	–	
11192280	FT	940	548	392	A	–	–	–	–	–	–	–	–	–	
11192290	FT	943	550	393	A	–	–	–	–	–	–	–	–	–	
11192300	FT	936	547	389	A	–	–	–	–	–	–	–	–	–	
11192310	FT	933	542	391	A	–	–	–	–	–	–	–	–	–	
11192320	FT	940	549	391	A	–	–	–	–	–	–	–	–	–	
11192340	FT	937	547	390	A	–	–	–	–	–	–	–	–	–	
11192350	FT	1,925	1,123	802	A	1,256	–	–	398	A	–	–	–	–	
11192360	FT	939	547	392	A	–	–	–	–	–	–	–	–	–	
11192370	FT	937	547	390	A	–	–	–	–	–	–	–	–	–	
11195100	FT	1,192	697	495	A	–	–	–	–	–	–	–	–	–	
11195110	FT	1,423	833	590	A	902	–	–	295	A	–	–	–	–	
11195120	FT	1,190	696	494	A	–	–	–	–	–	–	–	–	–	
11195260	FT	1,187	692	495	A	–	–	–	–	–	–	–	–	–	
11195820	FT	1,186	694	492	C+	–	–	–	–	–	–	–	–	–	
11195830	FT	1,426	832	594	A	920	–	–	295	A	–	–	–	–	
11195850	FT	1,427	835	592	A	915	–	–	294	A	–	–	–	–	
11195860	FT	1,190	696	494	A	–	–	–	–	–	–	–	–	–	
11195880	FT	1,425	832	593	A	910	–	–	295	B-	–	–	–	–	
11195890	FT	1,426	834	592	C+	916	–	–	295	A	–	–	–	–	
11195900	FT	1,188	694	494	A	–	–	–	–	–	–	–	–	–	
11198720	FT	944	552	392	A	–	–	–	–	–	–	–	–	–	
11198770	FT	945	553	392	A	–	–	–	–	–	–	–	–	–	
11198780	FT	949	556	393	A	–	–	–	–	–	–	–	–	–	
11198790	FT	945	552	393	C-	–	–	–	–	–	–	–	–	–	
11198840	FT	938	546	392	A	–	–	–	–	–	–	–	–	–	
11198850	FT	938	546	392	A	–	–	–	–	–	–	–	–	–	

ELA Grade 8															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11198860	FT	949	546	402	A	–	–	–	–	–	–	–	–	–	
11198880	FT	1,112	537	575	A	–	–	–	–	–	–	–	–	–	
11198920	FT	1,026	537	489	A	–	–	–	–	–	–	–	–	–	
11198930	FT	2,182	539	1,642	A	–	–	–	–	–	–	–	–	–	
11199020	FT	939	549	390	A	–	–	–	–	–	–	–	–	–	
11199070	FT	3,067	542	2,525	A	–	–	–	–	–	–	–	–	–	
11199100	FT	940	548	392	A	–	–	–	–	–	–	–	–	–	
11199110	FT	947	554	393	A	–	–	–	–	–	–	–	–	–	
11199120	FT	942	547	394	A	–	–	–	–	–	–	–	–	–	
11199140	FT	942	548	394	A	–	–	–	–	–	–	–	–	–	
11199170	FT	941	550	391	A	–	–	–	–	–	–	–	–	–	
11199200	FT	942	549	393	A	–	–	–	–	–	–	–	–	–	
11199210	FT	941	549	392	B-	–	–	–	–	–	–	–	–	–	
11199220	FT	965	540	425	A	–	–	–	–	–	–	–	–	–	
11199240	FT	1,089	539	550	A	–	–	–	–	–	–	–	–	–	
11199290	FT	941	549	392	A	–	–	–	–	–	–	–	–	–	
11199320	FT	941	549	392	A	–	–	–	–	–	–	–	–	–	
11199420	FT	2,594	541	2,053	A	–	–	–	–	–	–	–	–	–	
11199470	FT	938	547	391	A	–	–	–	–	–	–	–	–	–	
11199510	FT	1,401	539	862	A	–	–	–	–	–	–	–	–	–	
11199550	FT	2,899	537	2,362	A	–	–	–	–	–	–	–	–	–	
11199580	FT	942	552	390	A	–	–	–	–	–	–	–	–	–	
11199780	FT	3,175	1,108	2,067	A	2,391	–	–	390	A	–	–	–	–	
11199930	FT	1,931	1,126	805	A	1,248	–	–	397	A	–	–	–	–	
11199950	FT	1,935	1,129	806	A	1,255	–	–	400	A	–	–	–	–	
11200130	FT	937	542	395	A	–	–	–	–	–	–	–	–	–	
11200170	FT	1,378	539	839	A	–	–	–	–	–	–	–	–	–	
11200180	FT	974	537	437	A	–	–	–	–	–	–	–	–	–	
11200190	FT	2,569	541	2,028	A	–	–	–	–	–	–	–	–	–	
11200250	FT	940	547	393	A	–	–	–	–	–	–	–	–	–	
11200270	FT	1,166	536	630	A	–	–	–	–	–	–	–	–	–	
11200280	FT	1,001	533	468	A	–	–	–	–	–	–	–	–	–	

ELA Grade 8															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11200290	FT	935	544	391	A	–	–	–	–	–	–	–	–	–	
11200310	FT	1,522	539	983	A	–	–	–	–	–	–	–	–	–	
11217390	FT	1,042	593	449	A	–	–	–	–	–	–	–	–	–	
11217400	FT	1,034	596	438	A	–	–	–	–	–	–	–	–	–	
11217410	FT	1,030	591	439	A	–	–	–	–	–	–	–	–	–	
11217420	FT	1,031	593	438	A	–	–	–	–	–	–	–	–	–	
11217430	FT	1,031	594	437	A	–	–	–	–	–	–	–	–	–	
11217440	FT	1,742	1,040	702	B+	1,116	–	–	369	A	–	–	–	–	
11217460	FT	1,032	592	440	A	–	–	–	–	–	–	–	–	–	
11217470	FT	1,742	1,037	705	A	1,110	–	–	367	A	–	–	–	–	
11217500	FT	1,739	1,038	701	A	1,103	–	–	367	A	–	–	–	–	
11217510	FT	1,738	1,035	703	A	1,108	–	–	367	A	–	–	–	–	
11217520	FT	1,030	595	435	A	–	–	–	–	–	–	–	–	–	
11219350	FT	938	548	390	A	–	–	–	–	–	–	–	–	–	
11219360	FT	941	551	390	A	–	–	–	–	–	–	–	–	–	
11220170	FT	940	547	393	A	–	–	–	–	–	–	–	–	–	
11220180	FT	944	552	392	A	–	–	–	–	–	–	–	–	–	
11220400	FT	938	544	394	A	–	–	–	–	–	–	–	–	–	
11220410	FT	939	548	391	A	–	–	–	–	–	–	–	–	–	
11220630	FT	942	551	391	A	–	–	–	–	–	–	–	–	–	
11220650	FT	938	547	391	A	–	–	–	–	–	–	–	–	–	
11220660	FT	939	547	392	A	–	–	–	–	–	–	–	–	–	
11220670	FT	938	546	392	A	–	–	–	–	–	–	–	–	–	
11221310	FT	1,937	1,135	802	A	1,248	–	–	404	A	–	–	–	–	
11221400	FT	937	546	391	A	–	–	–	–	–	–	–	–	–	
11221520	FT	938	548	390	A	–	–	–	–	–	–	–	–	–	
11222380	FT	940	547	393	A	–	–	–	–	–	–	–	–	–	
11222510	FT	938	547	391	A	–	–	–	–	–	–	–	–	–	
11222610	FT	941	549	392	A	–	–	–	–	–	–	–	–	–	
11222810	FT	942	549	393	A	–	–	–	–	–	–	–	–	–	
11222930	FT	936	544	392	A	–	–	–	–	–	–	–	–	–	
11223060	FT	936	545	391	A	–	–	–	–	–	–	–	–	–	

ELA Grade 8															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
11223080	FT	939	549	390	A	–	–	–	–	–	–	–	–	–	
11223100	FT	939	548	391	A	–	–	–	–	–	–	–	–	–	
11223140	FT	936	546	390	A	–	–	–	–	–	–	–	–	–	
11223250	FT	940	549	391	A	–	–	–	–	–	–	–	–	–	
11223940	FT	976	539	437	A	–	–	–	–	–	–	–	–	–	
11224000	FT	3,018	539	2,479	A	–	–	–	–	–	–	–	–	–	
11224030	FT	1,933	1,132	801	A	1,251	–	–	398	A	–	–	–	–	

Table I.7. DIF Item-Level Statistics—Mathematics Grade 3

Mathematics Grade 3															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
21096480	OP	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	A	963	A	
31155430	OPFT	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	A	963	A	
31155680	OPFT	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	A	963	A	
31156130	OPFT	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	A	963	A	
31163350	HL	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	A	963	A	
31163410	OP	1,251	601	650	B-	538	–	–	361	A	–	–	–	–	
31163530	OP	631	306	325	B+	–	–	–	–	–	–	–	–	–	
31163630	OP	817	416	401	A	333	–	–	254	A	–	–	–	–	
31163720	OP	9,266	5,038	4,228	A	7,285	251	A	1,006	A	282	A	316	A	
31163730	OP	972	517	455	A	388	–	–	279	A	–	–	–	–	
31163750	OP	19,389	9,988	9,401	A	13,508	924	A	3,285	A	520	A	749	A	
31163770	OP	7,480	3,656	3,824	A	4,501	501	A	1,752	A	–	–	328	A	
31163780	HL	23,858	12,222	11,636	A	15,443	1,578	A	4,614	B-	645	A	963	A	
31163800	OP	755	394	361	B+	–	–	–	–	–	–	–	–	–	
31163830	OP	1,937	1,039	898	A	1,415	–	–	288	A	–	–	–	–	
31163970	OP	613	323	290	A	–	–	–	–	–	–	–	–	–	
31164050	OP	1,273	615	658	A	747	–	–	317	A	–	–	–	–	
31164250	OP	1,368	670	698	A	702	–	–	382	A	–	–	–	–	

Mathematics Grade 3														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
31164260	OP	1,450	748	702	A	556	260	B+	441	A	–	–	–	–
31164360	OP	893	417	476	A	383	–	–	262	A	–	–	–	–
31164530	OP	1,103	563	540	A	616	–	–	278	A	–	–	–	–
31164600	OP	3,865	1,898	1,967	A	2,523	–	–	770	A	–	–	–	–
31164720	HL	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	A	963	A
31164750	OP	1,860	882	978	B+	870	–	–	558	A	–	–	–	–
31164780	OP	4,207	2,364	1,843	A	3,455	–	–	339	A	–	–	–	–
31164810	OP	1,743	889	854	A	1,061	–	–	408	B+	–	–	–	–
31164840	HL	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	A	963	A
31164860	VL	1,250	640	610	A	–	–	–	–	–	–	–	–	–
31164970	VL	1,250	640	610	A	–	–	–	–	–	–	–	–	–
31164990	VL	1,000	492	508	A	–	–	–	–	–	–	–	–	–
31165130	OP	1,300	599	701	A	715	–	–	352	A	–	–	–	–
31165210	OP	2,005	985	1,020	A	1,043	–	–	547	A	–	–	–	–
31165240	OP	12,856	6,795	6,061	A	9,732	417	A	1,654	A	366	A	483	A
31165290	HL	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	B+	963	A
31165320	OP	1,153	620	533	A	727	–	–	254	A	–	–	–	–
31165430	HL	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	A	963	A
31165560	OP	782	400	382	A	302	–	–	254	A	–	–	–	–
31165590	OP	1,407	691	716	A	855	–	–	323	A	–	–	–	–
31165840	HL	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	A	963	A
31166010	VL	1,000	492	508	A	–	–	–	–	–	–	–	–	–
31166070	OP	1,295	637	658	A	525	–	–	411	A	–	–	–	–
31166250	HL	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	A	963	A
31166270	OP	1,068	526	542	A	421	–	–	327	A	–	–	–	–
31166290	OP	544	257	287	A	–	–	–	–	–	–	–	–	–
31166310	OP	626	334	292	A	–	–	–	–	–	–	–	–	–
31166380	OP	1,337	676	661	A	649	–	–	377	A	–	–	–	–
31166590	HL	23,858	12,222	11,636	B-	15,443	1,578	A	4,614	A	645	A	963	A
31166600	HL	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	A	963	A
31168650	HL	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	A	963	A
31169710	HL	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	A	963	A

Mathematics Grade 3															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31175880	VL	1,250	640	610	A	–	–	–	–	–	–	–	–	–	
31176140	VL	1,000	492	508	A	–	–	–	–	–	–	–	–	–	
31177450	OP	1,710	878	832	A	1,213	–	–	272	A	–	–	–	–	
31177480	OP	1,938	963	975	A	1,126	–	–	483	A	–	–	–	–	
31177500	OP	641	332	309	A	–	–	–	–	–	–	–	–	–	
31177590	OP	1,292	649	643	A	539	–	–	387	A	–	–	–	–	
31177870	OP	725	383	342	B-	–	–	–	–	–	–	–	–	–	
31177880	OP	670	337	333	A	–	–	–	–	–	–	–	–	–	
31177920	OP	1,642	789	853	B-	883	–	–	460	A	–	–	–	–	
31178050	OP	2,787	1,270	1,517	C-	1,740	–	–	635	A	–	–	–	–	
31178070	OP	2,290	1,075	1,215	B-	1,618	–	–	378	A	–	–	–	–	
31178110	OP	2,239	1,172	1,067	C-	1,747	–	–	264	B-	–	–	–	–	
31178120	OP	5,837	2,920	2,917	A	3,291	473	A	1,518	A	–	–	–	–	
31178220	OP	660	322	338	A	–	–	–	–	–	–	–	–	–	
31178240	OP	632	311	321	B-	–	–	–	–	–	–	–	–	–	
31178250	OP	8,121	4,440	3,681	A	6,458	–	–	827	A	–	–	277	A	
31178290	OP	629	318	311	A	–	–	–	–	–	–	–	–	–	
31178300	OP	1,319	673	646	A	498	–	–	416	A	–	–	–	–	
31178340	OP	1,166	586	580	B-	707	–	–	272	A	–	–	–	–	
31178350	OP	895	445	450	A	–	–	–	–	–	–	–	–	–	
31178370	OP	793	414	379	A	–	–	–	–	–	–	–	–	–	
31178470	OP	2,219	1,037	1,182	A	1,523	–	–	382	A	–	–	–	–	
31178510	OP	535	278	257	A	–	–	–	–	–	–	–	–	–	
31178550	OP	13,692	7,123	6,569	A	10,228	486	B+	1,862	A	375	A	519	A	
31178600	HL	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	A	963	A	
31178660	OP	884	445	439	A	–	–	–	–	–	–	–	–	–	
31178780	OP	1,032	512	520	A	566	–	–	267	A	–	–	–	–	
31178790	OP	1,634	840	794	A	647	281	A	491	A	–	–	–	–	
31178810	OP	1,409	702	707	A	752	–	–	365	B-	–	–	–	–	
31178850	OP	1,656	758	898	A	1,138	–	–	279	A	–	–	–	–	
31178900	OP	5,488	3,055	2,433	A	4,462	–	–	480	A	–	–	–	–	
31178940	OP	845	445	400	C-	–	–	–	–	–	–	–	–	–	

Mathematics Grade 3															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31178970	OP	724	356	368	A	–	–	–	–	–	–	–	–	–	
31178990	OP	6,772	3,330	3,442	A	3,900	527	A	1,696	A	–	–	284	A	
31179020	OP	13,794	7,221	6,573	A	10,329	476	A	1,852	A	382	A	520	A	
31179050	OP	3,082	1,534	1,548	A	2,105	–	–	547	A	–	–	–	–	
31179080	OP	11,040	5,883	5,157	A	8,548	339	A	1,291	A	316	A	391	A	
31179110	OP	1,817	872	945	A	1,124	–	–	433	A	–	–	–	–	
31179150	OP	1,336	652	684	A	645	–	–	403	A	–	–	–	–	
31179170	OP	1,212	593	619	A	605	–	–	344	A	–	–	–	–	
31179180	OP	707	372	335	A	–	–	–	–	–	–	–	–	–	
31179210	OP	562	268	294	A	–	–	–	–	–	–	–	–	–	
31179250	HL	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	B+	963	A	
31179270	OP	666	307	359	A	–	–	–	–	–	–	–	–	–	
31179290	OP	590	313	277	A	–	–	–	–	–	–	–	–	–	
31193800	VL	1,250	640	610	A	–	–	–	–	–	–	–	–	–	
31194540	HL	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	A	963	A	
31194710	OP	4,007	2,000	2,007	A	1,708	607	A	1,190	A	–	–	–	–	
31194730	OP	1,227	617	610	A	647	–	–	328	A	–	–	–	–	
31194870	OP	2,630	1,325	1,305	A	1,514	–	–	677	A	–	–	–	–	
31194940	HL	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	A	963	A	
31195320	OP	11,344	6,042	5,302	A	8,730	356	A	1,353	A	325	A	407	A	
31195390	OP	593	315	278	A	–	–	–	–	–	–	–	–	–	
31195480	HL	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	A	963	A	
31195490	VL	1,250	640	610	A	–	–	–	–	–	–	–	–	–	
31195500	VL	1,250	640	610	A	–	–	–	–	–	–	–	–	–	
31195510	HL	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	B-	963	A	
31195550	VL	1,000	492	508	A	–	–	–	–	–	–	–	–	–	
31195580	HL	23,858	12,222	11,636	B+	15,443	1,578	A	4,614	A	645	A	963	A	
31195610	OP	4,453	2,228	2,225	A	1,944	651	A	1,329	A	–	–	–	–	
31195640	OP	777	384	393	A	–	–	–	–	–	–	–	–	–	
31195670	OP	16,451	8,507	7,944	A	11,896	657	A	2,520	A	433	A	643	A	
31195780	VL	1,000	492	508	A	–	–	–	–	–	–	–	–	–	
31195870	OP	2,087	1,026	1,061	A	1,173	–	–	528	A	–	–	–	–	

Mathematics Grade 3														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
31195910	OP	15,022	7,797	7,225	A	11,005	563	A	2,193	A	408	A	585	A
31195920	OP	14,814	7,692	7,122	A	10,927	554	A	2,101	A	404	A	565	A
31195990	OP	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	A	963	A
31196000	OP	6,059	3,049	3,010	A	2,786	808	A	1,748	A	–	–	271	A
31196090	VL	1,250	640	610	A	–	–	–	–	–	–	–	–	–
31196170	OP	2,747	1,349	1,398	A	1,267	356	A	804	A	–	–	–	–
31196190	OP	1,722	885	837	A	668	298	A	525	A	–	–	–	–
31196210	OP	9,286	5,048	4,238	A	7,311	251	A	997	A	284	A	315	A
31196220	OP	981	477	504	A	382	–	–	301	A	–	–	–	–
31196240	OP	2,552	1,300	1,252	A	1,018	425	A	768	A	–	–	–	–
31196250	HL	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	A	963	A
31196280	VL	1,000	492	508	A	–	–	–	–	–	–	–	–	–
31196300	OP	601	300	301	A	–	–	–	–	–	–	–	–	–
31196310	OP	1,023	505	518	B-	562	–	–	253	A	–	–	–	–
31196320	HL	23,858	12,222	11,636	A	15,443	1,578	A	4,614	A	645	B-	963	A
31196330	OP	2,365	1,172	1,193	A	1,391	–	–	576	A	–	–	–	–
31196340	OP	1,733	886	847	A	958	–	–	467	A	–	–	–	–
31196360	OP	5,582	2,671	2,911	A	3,620	299	A	1,153	A	–	–	254	A
31196420	OP	1,580	785	795	B+	1,014	–	–	346	A	–	–	–	–
31196430	OP	13,438	7,059	6,379	A	10,085	463	A	1,790	A	371	A	507	A
31196440	OP	4,323	2,101	2,222	A	2,548	302	A	1,069	A	–	–	–	–
31196470	OP	1,797	853	944	B-	834	–	–	538	A	–	–	–	–
31196580	OP	652	314	338	A	–	–	–	–	–	–	–	–	–
31196590	OP	3,497	1,742	1,755	A	2,011	260	A	891	A	–	–	–	–
31196600	OP	2,180	1,065	1,115	A	949	299	A	658	A	–	–	–	–
31196610	OP	691	341	350	A	–	–	–	–	–	–	–	–	–
31196650	OP	737	402	335	A	–	–	–	–	–	–	–	–	–
31231500	OP	622	299	323	A	–	–	–	–	–	–	–	–	–
31231720	VL	1,000	492	508	A	–	–	–	–	–	–	–	–	–
31232540	OP	2,738	1,321	1,417	A	1,777	–	–	566	A	–	–	–	–
31232550	OP	705	378	327	A	–	–	–	–	–	–	–	–	–
31232560	OP	643	308	335	A	–	–	–	–	–	–	–	–	–

Mathematics Grade 3															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31232570	OP	675	363	312	A	–	–	–	–	–	–	–	–	–	
31232580	OP	873	398	475	B-	–	–	–	–	–	–	–	–	–	
31232670	OP	1,818	964	854	B+	1,374	–	–	253	A	–	–	–	–	
31232680	OP	714	391	323	A	–	–	–	–	–	–	–	–	–	
31233350	OP	721	367	354	B-	–	–	–	–	–	–	–	–	–	
31155410	FT	1,264	400	864	A	614	–	–	313	B+	–	–	–	–	
31155420	FT	1,060	399	661	A	611	–	–	266	A	–	–	–	–	
31155440	FT	1,042	400	642	A	613	–	–	250	A	–	–	–	–	
31155450	FT	1,053	400	653	A	612	–	–	258	A	–	–	–	–	
31155460	FT	1,062	400	662	B-	608	–	–	262	B-	–	–	–	–	
31155470	FT	1,052	401	651	A	608	–	–	264	A	–	–	–	–	
31155480	FT	1,039	400	639	A	609	–	–	256	A	–	–	–	–	
31155500	FT	2,279	881	1,398	A	1,340	–	–	565	A	–	–	–	–	
31155510	FT	1,048	400	648	A	609	–	–	254	A	–	–	–	–	
31155520	FT	1,025	400	625	A	612	–	–	252	A	–	–	–	–	
31155530	FT	1,031	400	631	A	608	–	–	253	B+	–	–	–	–	
31155540	FT	1,033	400	633	A	612	–	–	253	A	–	–	–	–	
31155550	FT	1,044	400	644	A	616	–	–	252	A	–	–	–	–	
31155560	FT	1,046	400	646	A	601	–	–	266	A	–	–	–	–	
31155570	FT	1,061	400	661	A	599	–	–	260	A	–	–	–	–	
31155580	FT	1,032	400	632	B+	–	–	–	–	–	–	–	–	–	
31155590	FT	2,383	880	1,503	A	1,318	–	–	604	A	–	–	–	–	
31155610	FT	1,244	400	844	A	612	–	–	305	A	–	–	–	–	
31155620	FT	1,117	400	717	B+	623	–	–	268	B-	–	–	–	–	
31155630	FT	1,100	400	700	A	627	–	–	259	A	–	–	–	–	
31155650	FT	2,265	880	1,385	A	1,339	–	–	562	A	–	–	–	–	
31155660	FT	1,032	400	632	C+	–	–	–	–	–	–	–	–	–	
31155670	FT	2,317	879	1,438	A	1,315	–	–	583	A	–	–	–	–	
31155690	FT	1,100	400	700	A	619	–	–	260	A	–	–	–	–	
31155700	FT	1,092	400	692	A	611	–	–	270	A	–	–	–	–	
31155710	FT	2,259	878	1,381	A	1,338	–	–	564	A	–	–	–	–	
31155720	FT	1,020	400	620	C+	–	–	–	–	–	–	–	–	–	

Mathematics Grade 3															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31155730	FT	1,091	400	691	B+	625	–	–	253	A	–	–	–	–	
31155740	FT	1,105	400	705	A	621	–	–	259	B-	–	–	–	–	
31155750	FT	2,254	880	1,374	A	1,333	–	–	562	A	–	–	–	–	
31155760	FT	1,068	400	668	A	–	–	–	–	–	–	–	–	–	
31155770	FT	1,235	400	835	A	596	–	–	303	A	–	–	–	–	
31155780	FT	1,073	400	673	B-	–	–	–	–	–	–	–	–	–	
31155800	FT	1,053	400	653	A	–	–	–	–	–	–	–	–	–	
31155810	FT	1,047	400	647	A	–	–	–	–	–	–	–	–	–	
31155820	FT	1,048	400	648	C-	–	–	–	–	–	–	–	–	–	
31155830	FT	2,293	879	1,414	A	1,341	–	–	571	A	–	–	–	–	
31155840	FT	1,060	399	661	B+	614	–	–	251	A	–	–	–	–	
31155850	FT	1,041	399	642	B-	600	–	–	251	A	–	–	–	–	
31155860	FT	1,063	400	663	A	606	–	–	262	A	–	–	–	–	
31155870	FT	2,278	881	1,397	A	1,341	–	–	573	A	–	–	–	–	
31155880	FT	1,036	400	636	A	–	–	–	–	–	–	–	–	–	
31155890	FT	1,054	400	654	B-	619	–	–	255	A	–	–	–	–	
31155900	FT	1,051	400	651	A	615	–	–	253	A	–	–	–	–	
31155910	FT	1,026	399	627	A	608	–	–	260	A	–	–	–	–	
31155950	FT	1,019	399	620	A	–	–	–	–	–	–	–	–	–	
31155960	FT	1,029	400	629	A	598	–	–	259	A	–	–	–	–	
31155970	FT	1,050	400	650	A	607	–	–	258	B-	–	–	–	–	
31155990	FT	2,329	881	1,448	A	1,352	–	–	572	A	–	–	–	–	
31156000	FT	1,231	400	831	A	622	–	–	295	B-	–	–	–	–	
31156010	FT	1,029	400	629	A	–	–	–	–	–	–	–	–	–	
31156030	FT	1,041	400	641	A	614	–	–	256	A	–	–	–	–	
31156050	FT	1,049	400	649	A	607	–	–	261	A	–	–	–	–	
31156060	FT	1,025	400	625	B+	–	–	–	–	–	–	–	–	–	
31156070	FT	1,042	400	642	A	612	–	–	251	A	–	–	–	–	
31156080	FT	1,037	400	637	A	616	–	–	254	B-	–	–	–	–	
31156100	FT	1,040	401	639	A	601	–	–	262	A	–	–	–	–	
31156120	FT	1,040	400	640	A	607	–	–	261	A	–	–	–	–	
31156160	FT	1,038	400	638	A	618	–	–	250	A	–	–	–	–	

Mathematics Grade 3															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31156170	FT	1,031	400	631	A	–	–	–	–	–	–	–	–	–	
31156180	FT	1,037	400	637	A	–	–	–	–	–	–	–	–	–	
31156190	FT	2,245	881	1,364	A	1,360	–	–	543	A	–	–	–	–	
31156210	FT	1,026	400	626	A	–	–	–	–	–	–	–	–	–	
31156220	FT	1,055	400	655	A	612	–	–	250	A	–	–	–	–	
31156230	FT	2,280	880	1,400	A	1,336	–	–	563	A	–	–	–	–	
31156240	FT	1,018	400	618	A	599	–	–	254	A	–	–	–	–	
31156250	FT	1,062	400	662	A	600	–	–	262	A	–	–	–	–	
31156260	FT	1,033	400	633	A	605	–	–	255	A	–	–	–	–	
31156300	FT	1,068	400	668	A	612	–	–	261	A	–	–	–	–	
31156310	FT	1,041	401	640	A	610	–	–	257	A	–	–	–	–	
31156320	FT	1,039	400	639	A	598	–	–	263	A	–	–	–	–	
31156330	FT	1,024	399	625	B-	597	–	–	258	A	–	–	–	–	
31156340	FT	1,030	399	631	A	–	–	–	–	–	–	–	–	–	
31156370	FT	1,062	400	662	A	605	–	–	263	A	–	–	–	–	
31156380	FT	1,024	400	624	A	599	–	–	259	A	–	–	–	–	
31213680	FT	1,073	400	673	A	611	–	–	256	A	–	–	–	–	
31213950	FT	1,041	399	642	A	616	–	–	252	B-	–	–	–	–	
31214530	FT	1,025	400	625	A	607	–	–	256	A	–	–	–	–	
31214630	FT	1,035	400	635	A	612	–	–	255	A	–	–	–	–	
31215020	FT	1,060	400	660	A	606	–	–	260	A	–	–	–	–	
31215320	FT	1,019	399	620	A	610	–	–	254	A	–	–	–	–	
31215700	FT	1,021	399	622	A	–	–	–	–	–	–	–	–	–	
31215720	FT	1,030	399	631	C-	599	–	–	260	B+	–	–	–	–	
31215760	FT	2,283	880	1,403	A	1,341	–	–	572	A	–	–	–	–	
31215820	FT	1,043	399	644	A	601	–	–	263	A	–	–	–	–	
31216080	FT	1,066	400	666	A	610	–	–	257	A	–	–	–	–	
31216550	FT	1,081	400	681	B+	608	–	–	260	A	–	–	–	–	

Table I.8. DIF Item-Level Statistics—Mathematics Grade 4

Mathematics Grade 4														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
31156700	OPFT	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A
31157190	OPFT	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A
31163350	VL	1,266	649	617	A	–	–	–	–	–	–	–	–	–
31163440	HL	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A
31163500	OP	968	526	442	A	380	–	–	275	A	–	–	–	–
31163650	OP	2,742	1,402	1,340	A	1,166	427	A	824	A	–	–	–	–
31163780	VL	1,266	649	617	A	–	–	–	–	–	–	–	–	–
31163790	OP	2,680	1,307	1,373	A	1,657	–	–	583	A	–	–	–	–
31164300	OP	993	477	515	A	495	–	–	290	A	–	–	–	–
31164380	VL	1,265	650	615	A	–	–	–	–	–	–	–	–	–
31164700	OP	11,446	6,097	5,349	A	8,761	320	A	1,429	A	383	A	406	A
31164720	VL	1,266	649	617	A	–	–	–	–	–	–	–	–	–
31164840	VL	1,263	649	614	A	–	–	–	–	–	–	–	–	–
31164860	HL	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A
31164920	OP	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A
31164970	HL	12,350	6,347	6,002	A	8,170	763	A	2,316	A	254	A	625	A
31164990	HL	11,476	5,901	5,575	A	7,346	889	A	2,180	A	411	A	300	A
31165100	HL	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A
31165140	OP	3,398	1,679	1,718	A	1,614	447	A	975	A	–	–	–	–
31165400	HL	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A
31165420	OP	905	493	412	A	367	–	–	279	A	–	–	–	–
31165470	OP	1,962	957	1,005	A	1,068	–	–	499	A	–	–	–	–
31165480	OP	925	497	428	A	395	–	–	277	A	–	–	–	–
31165650	HL	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A
31165690	OP	8,328	4,563	3,765	A	6,573	–	–	881	A	299	A	292	A
31165810	OP	3,717	1,813	1,903	A	2,036	379	A	938	A	–	–	–	–
31165840	VL	1,263	649	614	A	–	–	–	–	–	–	–	–	–
31165990	OP	2,152	1,081	1,070	A	959	298	A	647	A	–	–	–	–
31166010	HL	11,476	5,901	5,575	A	7,346	889	A	2,180	A	411	A	300	A
31166220	HL	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A
31166250	VL	1,263	649	614	A	–	–	–	–	–	–	–	–	–

Mathematics Grade 4															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31166450	HL	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A	
31166590	VL	1,263	649	614	A	–	–	–	–	–	–	–	–	–	
31166600	VL	1,266	649	617	A	–	–	–	–	–	–	–	–	–	
31168650	VL	1,263	649	614	A	–	–	–	–	–	–	–	–	–	
31170260	VL	1,265	650	615	A	–	–	–	–	–	–	–	–	–	
31170440	VL	1,263	649	614	A	–	–	–	–	–	–	–	–	–	
31170540	VL	1,263	649	614	A	–	–	–	–	–	–	–	–	–	
31170640	VL	1,265	650	615	A	–	–	–	–	–	–	–	–	–	
31173160	VL	1,263	649	614	A	–	–	–	–	–	–	–	–	–	
31174020	HL	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A	
31174350	OP	2,656	1,368	1,287	A	1,202	365	A	777	A	–	–	–	–	
31174460	OP	1,355	674	681	A	854	–	–	310	B+	–	–	–	–	
31174500	OP	1,727	846	880	A	809	–	–	504	A	–	–	–	–	
31174540	OP	840	399	441	C-	–	–	–	–	–	–	–	–	–	
31174600	VL	1,263	649	614	A	–	–	–	–	–	–	–	–	–	
31174650	OP	1,886	1,001	885	A	727	341	A	567	A	–	–	–	–	
31174680	OP	3,718	1,826	1,892	A	2,341	262	A	805	A	–	–	–	–	
31174870	OP	852	411	441	A	–	–	–	–	–	–	–	–	–	
31174910	OP	3,709	1,785	1,924	A	2,474	–	–	738	A	–	–	–	–	
31174940	OP	19,570	10,084	9,486	A	13,677	995	A	3,239	A	567	B+	739	A	
31175000	OP	1,515	735	780	A	929	–	–	328	A	–	–	–	–	
31175040	HL	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A	
31175060	OP	2,332	1,225	1,107	A	930	412	A	696	A	–	–	–	–	
31175150	OP	2,253	1,088	1,165	A	1,485	–	–	456	A	–	–	–	–	
31175520	OP	2,207	1,084	1,123	A	1,475	–	–	435	A	–	–	–	–	
31175880	HL	12,350	6,347	6,002	A	8,170	763	A	2,316	A	254	A	625	A	
31175890	OP	689	367	322	A	–	–	–	–	–	–	–	–	–	
31176130	OP	1,049	550	499	A	414	–	–	286	A	–	–	–	–	
31176140	HL	11,476	5,901	5,575	A	7,346	889	A	2,180	A	411	A	300	A	
31176250	OP	19,240	9,894	9,346	A	13,504	943	A	3,164	A	561	A	721	A	
31176290	OP	1,316	634	682	A	655	–	–	372	A	–	–	–	–	
31176360	OP	3,138	1,549	1,589	A	2,219	–	–	539	A	–	–	–	–	

Mathematics Grade 4															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31177220	VL	1,263	649	614	A	–	–	–	–	–	–	–	–	–	
31178600	VL	1,266	649	617	A	–	–	–	–	–	–	–	–	–	
31179250	VL	1,266	649	617	A	–	–	–	–	–	–	–	–	–	
31192620	VL	1,265	650	615	C-	–	–	–	–	–	–	–	–	–	
31193140	VL	1,265	650	615	A	–	–	–	–	–	–	–	–	–	
31193760	OP	988	466	522	A	–	–	–	–	–	–	–	–	–	
31193790	HL	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	B-	925	A	
31193800	HL	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A	
31193810	OP	3,232	1,696	1,536	A	1,338	544	A	955	A	–	–	–	–	
31193820	HL	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A	
31193830	OP	4,808	2,355	2,453	A	3,358	–	–	864	A	–	–	–	–	
31193880	OP	3,828	1,871	1,957	B-	2,081	471	A	861	A	–	–	–	–	
31193900	OP	3,034	1,517	1,517	A	1,640	321	A	798	A	–	–	–	–	
31194200	VL	1,263	649	614	A	–	–	–	–	–	–	–	–	–	
31194250	VL	1,263	649	614	A	–	–	–	–	–	–	–	–	–	
31194270	VL	1,265	650	615	A	–	–	–	–	–	–	–	–	–	
31194540	VL	1,266	649	617	A	–	–	–	–	–	–	–	–	–	
31194620	OP	6,565	3,455	3,110	A	5,045	–	–	836	A	–	–	305	A	
31194740	OP	1,164	583	580	A	614	–	–	307	A	–	–	–	–	
31194750	OP	3,906	2,025	1,881	A	3,025	–	–	460	A	–	–	–	–	
31194830	OP	1,925	961	964	A	1,214	–	–	414	A	–	–	–	–	
31194940	VL	1,263	649	614	A	–	–	–	–	–	–	–	–	–	
31195120	OP	7,547	3,785	3,761	A	3,648	995	A	2,069	A	–	–	328	A	
31195130	OP	5,890	3,142	2,748	C-	4,400	–	–	786	A	254	A	–	–	
31195460	OP	8,774	4,393	4,380	A	4,423	1,086	A	2,340	A	–	–	369	A	
31195480	VL	1,263	649	614	C-	–	–	–	–	–	–	–	–	–	
31195490	HL	12,350	6,347	6,002	A	8,170	763	A	2,316	A	254	A	625	A	
31195500	HL	12,350	6,347	6,002	A	8,170	763	A	2,316	A	254	C+	625	A	
31195520	OP	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	C+	925	A	
31195540	OP	769	408	360	A	–	–	–	–	–	–	–	–	–	
31195550	HL	11,476	5,901	5,575	A	7,346	889	A	2,180	A	411	A	300	A	
31195570	HL	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A	

Mathematics Grade 4															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31195620	OP	4,003	2,347	1,656	A	3,239	–	–	354	A	–	–	–	–	
31195650	OP	14,352	7,501	6,851	A	10,653	515	B+	2,012	A	440	A	523	A	
31195730	HL	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	B-	925	A	
31195760	OP	14,489	7,550	6,939	A	10,749	518	A	2,045	A	439	A	525	A	
31195780	HL	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A	
31195820	OP	22,362	11,477	10,884	A	14,542	1,554	A	4,216	A	625	A	876	A	
31195850	OP	814	403	411	A	–	–	–	–	–	–	–	–	–	
31195880	OP	1,658	818	840	A	925	–	–	406	A	–	–	–	–	
31195930	HL	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A	
31196030	OP	1,909	938	971	A	1,159	–	–	426	A	–	–	–	–	
31196050	HL	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A	
31196070	OP	1,464	771	693	A	974	–	–	280	A	–	–	–	–	
31196090	HL	12,350	6,347	6,002	A	8,170	763	A	2,316	A	254	A	625	A	
31196100	OP	4,217	2,168	2,049	A	3,227	–	–	531	A	–	–	–	–	
31196130	OP	15,060	7,448	7,611	A	8,620	1,435	A	3,552	A	357	A	623	A	
31196150	OP	4,549	2,632	1,917	A	3,669	–	–	413	A	–	–	–	–	
31196160	OP	17,452	9,054	8,398	A	11,973	1,025	A	2,914	A	548	A	581	A	
31196200	OP	2,131	1,021	1,110	A	1,272	–	–	484	A	–	–	–	–	
31196230	OP	10,320	5,568	4,752	A	7,995	275	A	1,198	A	356	A	367	A	
31196280	HL	11,476	5,901	5,575	A	7,346	889	A	2,180	A	411	A	300	A	
31196290	OP	4,513	2,215	2,298	A	2,706	375	A	1,018	A	–	–	–	–	
31231720	HL	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A	
31233310	VL	1,265	650	615	A	–	–	–	–	–	–	–	–	–	
31238470	OP	23,826	12,248	11,577	A	15,516	1,652	A	4,496	A	665	A	925	A	
31238480	OP	23,826	12,248	11,577	A	15,516	1,652	B-	4,496	A	665	A	925	A	
31247910	OP	2,009	1,038	971	A	781	358	A	602	A	–	–	–	–	
31156400	FT	1,157	594	563	A	–	–	–	–	–	–	–	–	–	
31156410	FT	1,500	769	731	A	975	–	–	288	A	–	–	–	–	
31156420	FT	1,158	593	565	A	–	–	–	–	–	–	–	–	–	
31156430	FT	1,147	587	560	A	–	–	–	–	–	–	–	–	–	
31156450	FT	1,152	595	557	A	–	–	–	–	–	–	–	–	–	
31156460	FT	1,492	768	724	A	967	–	–	291	A	–	–	–	–	

Mathematics Grade 4															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31156470	FT	1,509	775	734	A	986	–	–	290	B-	–	–	–	–	
31156480	FT	1,171	604	567	A	–	–	–	–	–	–	–	–	–	
31156490	FT	1,358	713	645	A	877	–	–	250	A	–	–	–	–	
31156500	FT	1,186	618	568	A	–	–	–	–	–	–	–	–	–	
31156510	FT	1,157	593	564	A	–	–	–	–	–	–	–	–	–	
31156520	FT	1,493	765	728	A	974	–	–	292	A	–	–	–	–	
31156530	FT	1,149	596	553	A	–	–	–	–	–	–	–	–	–	
31156540	FT	1,143	592	551	A	–	–	–	–	–	–	–	–	–	
31156550	FT	1,160	597	563	A	–	–	–	–	–	–	–	–	–	
31156560	FT	1,144	589	555	B+	–	–	–	–	–	–	–	–	–	
31156570	FT	1,484	766	718	B-	976	–	–	285	A	–	–	–	–	
31156580	FT	1,154	592	562	A	–	–	–	–	–	–	–	–	–	
31156590	FT	1,201	624	577	A	–	–	–	–	–	–	–	–	–	
31156610	FT	1,400	721	679	A	–	–	–	–	–	–	–	–	–	
31156620	FT	1,147	585	562	A	–	–	–	–	–	–	–	–	–	
31156630	FT	1,159	589	570	A	–	–	–	–	–	–	–	–	–	
31156660	FT	1,496	777	719	A	981	–	–	290	A	–	–	–	–	
31156670	FT	1,137	585	552	A	–	–	–	–	–	–	–	–	–	
31156680	FT	2,364	1,217	1,147	A	1,626	–	–	396	A	–	–	–	–	
31156690	FT	2,176	1,116	1,060	A	1,524	–	–	343	A	–	–	–	–	
31156710	FT	1,143	591	552	A	–	–	–	–	–	–	–	–	–	
31156730	FT	1,883	975	908	A	1,216	–	–	344	A	–	–	–	–	
31156740	FT	2,032	1,049	983	A	1,443	–	–	310	A	–	–	–	–	
31156750	FT	1,967	1,013	954	A	1,361	–	–	327	A	–	–	–	–	
31156760	FT	1,589	815	774	A	1,074	–	–	279	A	–	–	–	–	
31156770	FT	1,611	815	796	A	1,060	–	–	291	A	–	–	–	–	
31156780	FT	2,028	1,036	992	A	1,347	–	–	367	A	–	–	–	–	
31156790	FT	1,137	585	552	A	–	–	–	–	–	–	–	–	–	
31156810	FT	1,144	589	555	B+	–	–	–	–	–	–	–	–	–	
31156820	FT	1,144	590	554	A	–	–	–	–	–	–	–	–	–	
31156830	FT	2,135	1,087	1,047	A	1,368	–	–	403	A	–	–	–	–	
31156850	FT	1,204	622	582	A	–	–	–	–	–	–	–	–	–	

Mathematics Grade 4															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31156860	FT	1,195	621	574	A	–	–	–	–	–	–	–	–	–	
31156890	FT	1,208	613	595	A	–	–	–	–	–	–	–	–	–	
31156900	FT	1,192	618	574	A	–	–	–	–	–	–	–	–	–	
31156910	FT	1,201	610	591	A	–	–	–	–	–	–	–	–	–	
31156920	FT	1,511	755	755	A	962	–	–	295	A	–	–	–	–	
31156930	FT	1,860	940	919	A	1,172	–	–	360	A	–	–	–	–	
31156940	FT	1,141	584	557	A	–	–	–	–	–	–	–	–	–	
31156950	FT	1,636	823	812	A	1,021	–	–	316	A	–	–	–	–	
31156960	FT	1,485	768	717	A	963	–	–	291	A	–	–	–	–	
31156970	FT	1,162	606	556	A	–	–	–	–	–	–	–	–	–	
31156980	FT	1,485	767	718	A	974	–	–	287	A	–	–	–	–	
31156990	FT	1,918	985	933	A	1,216	–	–	352	A	–	–	–	–	
31157000	FT	1,153	596	557	A	–	–	–	–	–	–	–	–	–	
31157010	FT	1,159	603	556	A	–	–	–	–	–	–	–	–	–	
31157020	FT	1,149	598	551	A	–	–	–	–	–	–	–	–	–	
31157030	FT	1,143	593	550	A	–	–	–	–	–	–	–	–	–	
31157040	FT	1,139	585	554	A	–	–	–	–	–	–	–	–	–	
31157050	FT	1,136	585	551	A	–	–	–	–	–	–	–	–	–	
31157060	FT	1,159	591	568	A	–	–	–	–	–	–	–	–	–	
31157070	FT	1,196	617	579	A	–	–	–	–	–	–	–	–	–	
31157080	FT	1,172	603	569	A	–	–	–	–	–	–	–	–	–	
31157090	FT	1,503	772	731	A	963	–	–	294	A	–	–	–	–	
31157100	FT	1,189	608	581	B+	–	–	–	–	–	–	–	–	–	
31157110	FT	1,585	811	774	A	1,023	–	–	305	A	–	–	–	–	
31157120	FT	1,488	763	725	A	958	–	–	290	A	–	–	–	–	
31157130	FT	1,145	587	558	A	–	–	–	–	–	–	–	–	–	
31157140	FT	1,149	589	560	A	–	–	–	–	–	–	–	–	–	
31157150	FT	1,138	588	550	A	–	–	–	–	–	–	–	–	–	
31157170	FT	1,156	597	559	A	–	–	–	–	–	–	–	–	–	
31157180	FT	1,140	589	551	A	–	–	–	–	–	–	–	–	–	
31157200	FT	1,146	586	560	A	–	–	–	–	–	–	–	–	–	
31157210	FT	1,489	770	719	A	972	–	–	286	A	–	–	–	–	

Mathematics Grade 4															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31157230	FT	1,148	592	556	A	–	–	–	–	–	–	–	–	–	
31157240	FT	1,192	609	583	A	–	–	–	–	–	–	–	–	–	
31157270	FT	1,225	633	592	A	–	–	–	–	–	–	–	–	–	
31157280	FT	1,243	635	608	A	–	–	–	–	–	–	–	–	–	
31157290	FT	1,499	773	726	A	975	–	–	287	A	–	–	–	–	
31157310	FT	1,146	584	562	A	–	–	–	–	–	–	–	–	–	
31157320	FT	1,493	768	725	A	977	–	–	292	A	–	–	–	–	
31157340	FT	1,149	589	560	A	–	–	–	–	–	–	–	–	–	
31157360	FT	1,159	593	566	A	–	–	–	–	–	–	–	–	–	
31157370	FT	1,142	586	556	A	–	–	–	–	–	–	–	–	–	
31216730	FT	1,160	597	563	A	–	–	–	–	–	–	–	–	–	
31217060	FT	1,142	587	555	A	–	–	–	–	–	–	–	–	–	
31217090	FT	1,139	586	553	B-	–	–	–	–	–	–	–	–	–	
31217330	FT	1,142	586	556	A	–	–	–	–	–	–	–	–	–	
31217360	FT	1,146	591	555	A	–	–	–	–	–	–	–	–	–	
31217820	FT	1,136	583	553	A	–	–	–	–	–	–	–	–	–	
31217880	FT	1,138	585	553	B+	–	–	–	–	–	–	–	–	–	
31218130	FT	1,278	657	621	A	–	–	–	–	–	–	–	–	–	
31218320	FT	2,661	1,386	1,274	B-	1,873	–	–	402	A	–	–	–	–	
31218440	FT	3,327	1,715	1,611	A	2,281	–	–	514	A	–	–	–	–	
31218560	FT	1,135	583	552	A	–	–	–	–	–	–	–	–	–	
31219090	FT	1,496	786	710	A	960	–	–	280	A	–	–	–	–	
31219310	FT	1,755	913	842	A	1,128	–	–	311	A	–	–	–	–	
31219340	FT	3,993	2,032	1,960	A	2,684	307	A	641	A	–	–	–	–	

Table I.9. DIF Item-Level Statistics—Mathematics Grade 5

Mathematics Grade 5														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
31157510	OPFT	22,249	11,484	10,765	A	14,608	1,506	A	4,163	A	591	A	836	A
31157630	OPFT	22,249	11,484	10,765	A	14,608	1,506	A	4,163	A	591	A	836	A
31158250	OPFT	22,249	11,484	10,765	A	14,608	1,506	B-	4,163	A	591	B-	836	A
31158290	OPFT	22,249	11,484	10,765	A	14,608	1,506	B-	4,163	A	591	A	836	A
31162830	OP	982	514	468	B-	–	–	–	–	–	–	–	–	–
31163270	OP	607	349	258	A	–	–	–	–	–	–	–	–	–
31163280	OP	735	373	362	B-	–	–	–	–	–	–	–	–	–
31163310	OP	2,115	1,074	1,041	A	954	351	A	573	A	–	–	–	–
31163320	OP	2,536	1,246	1,290	A	1,431	–	–	615	A	–	–	–	–
31163440	VL	1,382	691	691	A	–	–	–	–	–	–	–	–	–
31164380	HL	11,088	5,735	5,353	A	7,295	773	A	2,081	A	300	A	390	A
31165100	VL	1,382	691	691	A	–	–	–	–	–	–	–	–	–
31165400	VL	1,292	670	622	A	–	–	–	–	–	–	–	–	–
31165650	VL	1,292	670	622	A	–	–	–	–	–	–	–	–	–
31166220	VL	1,382	691	691	A	–	–	–	–	–	–	–	–	–
31166450	VL	1,292	670	622	A	–	–	–	–	–	–	–	–	–
31166570	OP	1,176	559	617	A	–	–	–	–	–	–	–	–	–
31166580	OP	2,079	1,027	1,052	A	1,207	–	–	495	A	–	–	–	–
31167580	VL	1,292	664	628	A	–	–	–	–	–	–	–	–	–
31167610	OP	1,462	730	732	A	890	–	–	321	A	–	–	–	–
31167630	OP	2,338	1,151	1,187	A	1,256	252	A	618	A	–	–	–	–
31168920	HL	22,249	11,484	10,765	A	14,608	1,506	A	4,163	A	591	A	836	A
31169730	HL	22,249	11,484	10,765	A	14,608	1,506	A	4,163	A	591	A	836	A
31169790	OP	1,473	761	712	B-	893	–	–	351	A	–	–	–	–
31169860	OP	2,573	1,248	1,325	A	1,691	–	–	493	A	–	–	–	–
31169910	OP	8,360	4,290	4,070	A	4,397	1,001	A	2,093	A	–	–	355	A
31169930	OP	8,530	4,567	3,963	B-	6,587	–	–	1,053	A	295	A	285	A
31170260	HL	11,088	5,735	5,353	A	7,295	773	A	2,081	A	300	A	390	A
31170340	OP	1,459	752	707	A	898	–	–	327	A	–	–	–	–
31170440	HL	11,105	5,717	5,388	A	7,276	729	A	2,082	A	290	A	443	A
31170540	HL	11,105	5,717	5,388	A	7,276	729	A	2,082	A	290	A	443	A

Mathematics Grade 5															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31170560	OP	610	298	312	A	–	–	–	–	–	–	–	–	–	
31170570	HL	22,249	11,484	10,765	A	14,608	1,506	A	4,163	A	591	A	836	A	
31170590	OP	16,188	8,349	7,839	A	11,667	658	A	2,546	A	456	B-	582	A	
31170600	HL	22,249	11,484	10,765	A	14,608	1,506	A	4,163	A	591	A	836	A	
31170640	HL	11,088	5,735	5,353	A	7,295	773	A	2,081	A	300	A	390	A	
31173160	HL	11,105	5,717	5,388	A	7,276	729	A	2,082	A	290	A	443	A	
31173240	VL	1,290	667	623	C-	–	–	–	–	–	–	–	–	–	
31173300	OP	1,382	694	688	A	864	–	–	318	A	–	–	–	–	
31173310	OP	7,031	3,637	3,394	A	5,112	–	–	1,064	A	–	–	267	A	
31173340	OP	1,423	760	663	A	623	262	B-	375	A	–	–	–	–	
31173380	OP	1,286	703	583	A	482	271	A	354	A	–	–	–	–	
31173400	OP	634	346	288	A	–	–	–	–	–	–	–	–	–	
31173620	OP	752	391	361	A	–	–	–	–	–	–	–	–	–	
31173630	OP	1,453	753	700	A	592	289	A	412	A	–	–	–	–	
31173720	OP	13,927	7,214	6,713	B-	10,238	507	A	2,071	A	420	A	484	A	
31173890	OP	1,156	599	557	A	659	–	–	292	A	–	–	–	–	
31173910	OP	2,364	1,291	1,073	B-	1,057	395	B-	629	A	–	–	–	–	
31173920	HL	22,249	11,484	10,765	B-	14,608	1,506	A	4,163	A	591	A	836	A	
31173970	HL	22,249	11,484	10,765	A	14,608	1,506	A	4,163	A	591	A	836	A	
31174020	VL	1,382	691	691	A	–	–	–	–	–	–	–	–	–	
31174060	OP	10,405	5,519	4,886	A	7,883	297	A	1,402	A	354	A	336	A	
31174150	OP	2,002	1,000	1,002	A	1,254	–	–	439	A	–	–	–	–	
31174240	OP	3,168	1,574	1,594	A	2,025	–	–	669	A	–	–	–	–	
31174260	OP	1,277	607	670	A	820	–	–	269	A	–	–	–	–	
31174600	HL	11,105	5,717	5,388	A	7,276	729	A	2,082	A	290	A	443	A	
31174620	OP	1,925	968	957	A	1,165	–	–	468	A	–	–	–	–	
31174750	OP	1,745	848	897	A	1,165	–	–	332	A	–	–	–	–	
31174840	OP	2,492	1,198	1,294	A	1,575	–	–	549	A	–	–	–	–	
31174880	OP	2,528	1,259	1,269	B-	1,761	–	–	446	A	–	–	–	–	
31174960	OP	3,237	1,578	1,659	A	2,112	–	–	637	A	–	–	–	–	
31175040	VL	1,382	691	691	C-	–	–	–	–	–	–	–	–	–	
31175070	OP	15,894	8,195	7,698	A	11,433	655	A	2,521	A	454	C-	565	A	

Mathematics Grade 5														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
31175280	HL	22,249	11,484	10,765	A	14,608	1,506	A	4,163	A	591	A	836	A
31175310	HL	22,249	11,484	10,765	A	14,608	1,506	A	4,163	A	591	A	836	A
31175390	OP	1,597	799	798	A	952	–	–	351	A	–	–	–	–
31175610	OP	1,545	776	769	C-	939	–	–	348	A	–	–	–	–
31175650	OP	604	318	286	A	–	–	–	–	–	–	–	–	–
31176600	HL	22,249	11,484	10,765	A	14,608	1,506	A	4,163	A	591	A	836	A
31177000	VL	1,292	664	628	A	–	–	–	–	–	–	–	–	–
31177220	HL	11,105	5,717	5,388	A	7,276	729	B-	2,082	B-	290	A	443	A
31177280	VL	1,290	667	623	A	–	–	–	–	–	–	–	–	–
31177300	VL	1,290	667	623	A	–	–	–	–	–	–	–	–	–
31177440	VL	1,292	664	628	A	–	–	–	–	–	–	–	–	–
31177510	VL	1,290	667	623	A	–	–	–	–	–	–	–	–	–
31177740	VL	1,292	664	628	A	–	–	–	–	–	–	–	–	–
31190020	VL	1,292	664	628	A	–	–	–	–	–	–	–	–	–
31191030	VL	1,290	667	623	A	–	–	–	–	–	–	–	–	–
31191970	OP	2,115	1,134	981	A	892	383	A	573	A	–	–	–	–
31192000	OP	1,949	1,053	896	A	795	375	A	523	A	–	–	–	–
31192020	OP	2,162	1,072	1,090	A	1,111	280	A	560	A	–	–	–	–
31192040	OP	1,155	623	532	A	444	–	–	320	A	–	–	–	–
31192060	OP	12,236	6,370	5,866	A	9,105	412	A	1,742	A	385	A	418	A
31192070	OP	3,400	1,636	1,764	A	2,154	–	–	716	A	–	–	–	–
31192080	OP	6,352	3,471	2,881	B+	4,991	–	–	703	A	–	–	–	–
31192090	OP	556	295	261	A	–	–	–	–	–	–	–	–	–
31192110	OP	1,256	583	673	A	–	–	–	–	–	–	–	–	–
31192120	OP	1,013	553	460	A	414	–	–	294	A	–	–	–	–
31192140	OP	1,443	727	716	A	881	–	–	341	A	–	–	–	–
31192150	OP	1,288	616	672	A	654	–	–	351	A	–	–	–	–
31192180	HL	22,249	11,484	10,765	A	14,608	1,506	A	4,163	A	591	A	836	A
31192270	OP	1,946	953	993	A	1,195	–	–	453	A	–	–	–	–
31192300	OP	2,075	1,064	1,011	A	1,000	294	B+	556	A	–	–	–	–
31192340	OP	961	497	464	A	–	–	–	–	–	–	–	–	–
31192460	OP	17,470	8,977	8,492	A	12,384	764	A	2,891	A	481	B-	636	A

Mathematics Grade 5															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31192530	OP	1,263	661	602	A	787	–	–	275	A	–	–	–	–	
31192620	HL	11,088	5,735	5,353	B-	7,295	773	A	2,081	A	300	A	390	A	
31192630	OP	5,811	3,168	2,643	A	4,598	–	–	621	A	–	–	–	–	
31192670	OP	1,423	752	671	A	646	–	–	377	A	–	–	–	–	
31192790	OP	2,193	1,048	1,145	A	1,457	–	–	429	A	–	–	–	–	
31192880	OP	2,455	1,195	1,260	A	1,316	261	A	647	A	–	–	–	–	
31193080	OP	615	346	269	A	–	–	–	–	–	–	–	–	–	
31193090	OP	2,473	1,271	1,202	B-	1,268	313	B-	652	A	–	–	–	–	
31193140	HL	11,088	5,735	5,353	A	7,295	773	A	2,081	A	300	A	390	A	
31193230	OP	3,952	2,108	1,844	A	2,913	–	–	607	A	–	–	–	–	
31193370	VL	1,292	664	628	B-	–	–	–	–	–	–	–	–	–	
31193790	VL	1,292	670	622	B-	–	–	–	–	–	–	–	–	–	
31193820	VL	1,292	670	622	A	–	–	–	–	–	–	–	–	–	
31194110	OP	6,079	3,147	2,932	A	2,951	850	A	1,616	A	–	–	254	A	
31194140	OP	2,441	1,229	1,212	A	1,443	–	–	586	A	–	–	–	–	
31194170	OP	786	436	350	B-	–	–	–	–	–	–	–	–	–	
31194200	HL	11,105	5,717	5,388	A	7,276	729	A	2,082	A	290	B-	443	A	
31194220	OP	2,146	1,087	1,059	A	1,015	319	A	578	B-	–	–	–	–	
31194230	OP	16,587	8,589	7,997	A	11,858	698	A	2,686	A	463	A	597	A	
31194240	OP	658	348	310	A	–	–	–	–	–	–	–	–	–	
31194250	HL	11,105	5,717	5,388	A	7,276	729	A	2,082	A	290	A	443	A	
31194260	OP	1,503	783	720	A	640	277	A	414	A	–	–	–	–	
31194270	HL	11,088	5,735	5,353	B+	7,295	773	A	2,081	A	300	A	390	A	
31194280	OP	22,249	11,484	10,765	A	14,608	1,506	A	4,163	A	591	A	836	A	
31194310	OP	2,277	1,184	1,093	A	1,114	318	A	611	A	–	–	–	–	
31194320	HL	22,249	11,484	10,765	A	14,608	1,506	A	4,163	A	591	A	836	A	
31194340	OP	1,677	841	836	A	1,042	–	–	392	A	–	–	–	–	
31194350	OP	9,887	5,274	4,613	A	7,539	273	A	1,287	A	331	A	328	A	
31194360	OP	658	319	339	B-	–	–	–	–	–	–	–	–	–	
31194370	OP	2,228	1,087	1,141	B-	1,229	–	–	558	A	–	–	–	–	
31194380	OP	5,070	2,606	2,464	A	3,655	–	–	823	A	–	–	–	–	
31194390	HL	22,249	11,484	10,765	A	14,608	1,506	A	4,163	A	591	C+	836	A	

Mathematics Grade 5														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
31194410	OP	11,403	5,813	5,590	A	7,601	713	A	2,137	A	298	A	418	A
31194440	OP	4,716	2,559	2,157	A	3,769	–	–	472	A	–	–	–	–
31194460	OP	22,249	11,484	10,765	A	14,608	1,506	A	4,163	A	591	A	836	A
31194500	OP	1,902	979	923	A	1,142	–	–	439	A	–	–	–	–
31194510	OP	8,252	4,483	3,769	A	6,380	–	–	1,020	A	288	A	270	A
31194520	OP	4,257	2,030	2,227	A	2,892	–	–	774	A	–	–	–	–
31195570	VL	1,382	691	691	A	–	–	–	–	–	–	–	–	–
31195730	VL	1,292	670	622	A	–	–	–	–	–	–	–	–	–
31195930	VL	1,382	691	691	A	–	–	–	–	–	–	–	–	–
31196050	VL	1,292	670	622	A	–	–	–	–	–	–	–	–	–
31231670	HL	22,249	11,484	10,765	A	14,608	1,506	A	4,163	A	591	A	836	A
31232470	HL	22,249	11,484	10,765	A	14,608	1,506	A	4,163	A	591	A	836	A
31233060	VL	1,290	667	623	A	–	–	–	–	–	–	–	–	–
31233080	OP	598	332	266	A	–	–	–	–	–	–	–	–	–
31233210	OP	3,287	1,559	1,728	A	2,230	–	–	605	A	–	–	–	–
31233240	OP	1,726	855	871	A	1,015	–	–	405	A	–	–	–	–
31233310	HL	11,088	5,735	5,353	A	7,295	773	A	2,081	A	300	A	390	A
31238400	VL	1,292	664	628	A	–	–	–	–	–	–	–	–	–
31238450	VL	1,290	667	623	A	–	–	–	–	–	–	–	–	–
41141210	OP	4,356	2,182	2,174	A	3,085	–	–	740	A	–	–	–	–
31157380	FT	1,156	602	554	A	–	–	–	–	–	–	–	–	–
31157390	FT	1,159	597	562	A	–	–	–	–	–	–	–	–	–
31157400	FT	1,177	611	566	A	–	–	–	–	–	–	–	–	–
31157420	FT	1,215	620	595	A	–	–	–	–	–	–	–	–	–
31157430	FT	1,185	612	573	A	–	–	–	–	–	–	–	–	–
31157440	FT	1,519	787	732	A	993	–	–	283	A	–	–	–	–
31157450	FT	1,161	599	562	A	–	–	–	–	–	–	–	–	–
31157460	FT	1,157	599	558	A	–	–	–	–	–	–	–	–	–
31157470	FT	1,511	783	728	A	990	–	–	283	A	–	–	–	–
31157480	FT	1,544	802	742	A	1,012	–	–	285	A	–	–	–	–
31157490	FT	1,173	604	569	B-	–	–	–	–	–	–	–	–	–
31157500	FT	1,165	599	566	A	–	–	–	–	–	–	–	–	–

Mathematics Grade 5															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31157520	FT	1,512	783	729	A	1,000	–	–	283	A	–	–	–	–	
31157530	FT	1,173	608	565	B+	–	–	–	–	–	–	–	–	–	
31157540	FT	1,176	608	568	A	–	–	–	–	–	–	–	–	–	
31157560	FT	1,156	604	552	A	–	–	–	–	–	–	–	–	–	
31157570	FT	1,159	599	560	A	–	–	–	–	–	–	–	–	–	
31157580	FT	1,182	614	568	A	–	–	–	–	–	–	–	–	–	
31157590	FT	1,159	599	560	A	–	–	–	–	–	–	–	–	–	
31157610	FT	1,155	596	559	A	–	–	–	–	–	–	–	–	–	
31157620	FT	1,225	641	584	A	–	–	–	–	–	–	–	–	–	
31157640	FT	1,163	602	561	A	–	–	–	–	–	–	–	–	–	
31157650	FT	1,162	599	563	A	–	–	–	–	–	–	–	–	–	
31157660	FT	1,518	788	730	B+	1,014	–	–	283	A	–	–	–	–	
31157680	FT	1,160	599	561	A	–	–	–	–	–	–	–	–	–	
31157690	FT	1,154	600	554	A	–	–	–	–	–	–	–	–	–	
31157710	FT	1,152	595	557	A	–	–	–	–	–	–	–	–	–	
31157720	FT	1,162	601	561	B-	–	–	–	–	–	–	–	–	–	
31157730	FT	1,516	781	735	C-	1,002	–	–	284	B-	–	–	–	–	
31157740	FT	1,155	598	557	B-	–	–	–	–	–	–	–	–	–	
31157750	FT	1,151	598	553	A	–	–	–	–	–	–	–	–	–	
31157760	FT	1,532	793	739	A	1,017	–	–	283	A	–	–	–	–	
31157770	FT	1,168	604	564	A	–	–	–	–	–	–	–	–	–	
31157780	FT	1,555	804	751	B-	1,037	–	–	284	C-	–	–	–	–	
31157800	FT	1,173	606	567	A	–	–	–	–	–	–	–	–	–	
31157820	FT	1,508	779	729	A	982	–	–	283	A	–	–	–	–	
31157830	FT	1,154	599	555	A	–	–	–	–	–	–	–	–	–	
31157840	FT	1,183	609	574	A	–	–	–	–	–	–	–	–	–	
31157850	FT	1,164	603	561	A	–	–	–	–	–	–	–	–	–	
31157860	FT	1,162	603	559	A	–	–	–	–	–	–	–	–	–	
31157870	FT	1,159	600	559	A	–	–	–	–	–	–	–	–	–	
31157880	FT	1,162	604	558	A	–	–	–	–	–	–	–	–	–	
31157890	FT	1,165	603	562	A	–	–	–	–	–	–	–	–	–	
31157900	FT	1,507	780	727	A	980	–	–	283	A	–	–	–	–	

Mathematics Grade 5															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31157910	FT	1,168	602	566	A	–	–	–	–	–	–	–	–	–	
31157920	FT	1,170	599	571	B-	–	–	–	–	–	–	–	–	–	
31157930	FT	1,519	789	730	A	1,009	–	–	284	A	–	–	–	–	
31157940	FT	1,155	598	557	A	–	–	–	–	–	–	–	–	–	
31157970	FT	1,156	599	557	A	–	–	–	–	–	–	–	–	–	
31157980	FT	1,506	779	727	A	986	–	–	283	A	–	–	–	–	
31157990	FT	1,165	601	564	A	–	–	–	–	–	–	–	–	–	
31158000	FT	1,178	610	568	A	–	–	–	–	–	–	–	–	–	
31158010	FT	1,160	599	561	A	–	–	–	–	–	–	–	–	–	
31158020	FT	1,203	624	579	A	–	–	–	–	–	–	–	–	–	
31158040	FT	1,517	784	733	A	1,013	–	–	283	A	–	–	–	–	
31158050	FT	1,189	619	570	A	–	–	–	–	–	–	–	–	–	
31158060	FT	1,157	597	560	A	–	–	–	–	–	–	–	–	–	
31158070	FT	1,160	601	559	C-	–	–	–	–	–	–	–	–	–	
31158080	FT	1,523	786	737	A	1,005	–	–	282	B-	–	–	–	–	
31158090	FT	1,156	598	558	A	–	–	–	–	–	–	–	–	–	
31158100	FT	1,155	600	555	A	–	–	–	–	–	–	–	–	–	
31158110	FT	1,534	793	741	A	1,013	–	–	283	A	–	–	–	–	
31158120	FT	1,527	790	737	A	1,009	–	–	283	A	–	–	–	–	
31158130	FT	1,160	597	563	A	–	–	–	–	–	–	–	–	–	
31158140	FT	1,159	600	559	A	–	–	–	–	–	–	–	–	–	
31158150	FT	1,185	613	572	A	–	–	–	–	–	–	–	–	–	
31158160	FT	1,192	617	575	A	–	–	–	–	–	–	–	–	–	
31158170	FT	1,516	783	733	A	996	–	–	283	A	–	–	–	–	
31158180	FT	1,211	630	581	A	–	–	–	–	–	–	–	–	–	
31158190	FT	1,527	796	731	B+	1,003	–	–	283	B+	–	–	–	–	
31158200	FT	1,157	600	557	A	–	–	–	–	–	–	–	–	–	
31158220	FT	1,184	614	570	A	–	–	–	–	–	–	–	–	–	
31158230	FT	1,165	600	565	A	–	–	–	–	–	–	–	–	–	
31158240	FT	1,516	784	732	A	1,008	–	–	283	A	–	–	–	–	
31158260	FT	1,163	602	561	A	–	–	–	–	–	–	–	–	–	
31158270	FT	1,153	598	555	A	–	–	–	–	–	–	–	–	–	

Mathematics Grade 5															
			Gender			Ethnicity									
			Male	Female		White	Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	(Reference) N	N	DIF	(Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31158280	FT	1,510	781	729	A	997	–	–	283	A	–	–	–	–	
31158300	FT	1,176	604	572	B+	–	–	–	–	–	–	–	–	–	
31158310	FT	1,169	603	566	A	–	–	–	–	–	–	–	–	–	
31219520	FT	1,157	600	557	A	–	–	–	–	–	–	–	–	–	
31219820	FT	1,163	598	565	A	–	–	–	–	–	–	–	–	–	
31220240	FT	1,164	600	564	A	–	–	–	–	–	–	–	–	–	
31220320	FT	1,161	602	559	A	–	–	–	–	–	–	–	–	–	
31220550	FT	1,166	600	566	A	–	–	–	–	–	–	–	–	–	
31220630	FT	1,167	602	565	A	–	–	–	–	–	–	–	–	–	
31220740	FT	1,160	604	556	A	–	–	–	–	–	–	–	–	–	
31220820	FT	1,164	603	561	A	–	–	–	–	–	–	–	–	–	
31221130	FT	1,227	635	592	A	–	–	–	–	–	–	–	–	–	
31221240	FT	1,179	608	571	A	–	–	–	–	–	–	–	–	–	
31221260	FT	1,158	601	557	A	–	–	–	–	–	–	–	–	–	
31221430	FT	1,180	608	572	B+	–	–	–	–	–	–	–	–	–	
31221440	FT	1,166	600	566	B+	–	–	–	–	–	–	–	–	–	
31221450	FT	1,524	792	732	A	998	–	–	283	A	–	–	–	–	
31221470	FT	1,535	792	743	A	1,022	–	–	284	A	–	–	–	–	
31221520	FT	1,335	694	641	A	–	–	–	–	–	–	–	–	–	

Table I.10. DIF Item-Level Statistics—Mathematics Grade 6

Mathematics Grade 6															
			Gender			Ethnicity									
			Male	Female		White	Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	(Reference) N	N	DIF	(Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31159240	OPFT	23,277	11,883	11,394	A	15,308	1,611	A	4,374	A	627	A	805	A	
31161340	VL	1,257	644	613	A	–	–	–	–	–	–	–	–	–	
31162050	HL	23,277	11,883	11,394	A	15,308	1,611	A	4,374	A	627	A	805	A	
31162620	VL	1,259	645	614	A	–	–	–	–	–	–	–	–	–	
31162710	OP	1,794	920	874	A	969	–	–	473	A	–	–	–	–	
31162770	OP	1,270	651	619	A	671	–	–	345	A	–	–	–	–	

Mathematics Grade 6														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
31162820	OP	21,753	11,022	10,731	A	14,744	1,279	A	3,962	A	585	A	748	A
31162900	OP	2,140	1,175	965	B-	824	417	A	611	A	–	–	–	–
31162910	OP	3,006	1,498	1,508	A	1,847	–	–	711	A	–	–	–	–
31162920	OP	1,293	656	637	A	683	–	–	356	A	–	–	–	–
31162930	OP	540	289	251	A	–	–	–	–	–	–	–	–	–
31162990	OP	6,593	3,324	3,269	A	4,289	380	A	1,401	A	–	–	–	–
31163000	OP	1,316	654	662	A	692	–	–	366	A	–	–	–	–
31163020	OP	636	381	255	A	–	–	–	–	–	–	–	–	–
31163040	OP	2,002	995	1,007	A	1,364	–	–	402	A	–	–	–	–
31163180	OP	1,318	676	642	A	–	–	–	–	–	–	–	–	–
31163220	OP	1,496	788	708	A	710	–	–	407	A	–	–	–	–
31163230	OP	1,458	752	706	A	875	–	–	366	A	–	–	–	–
31163260	OP	2,735	1,372	1,363	A	1,449	291	A	723	A	–	–	–	–
31166700	OP	704	369	335	A	–	–	–	–	–	–	–	–	–
31166720	OP	1,007	505	502	A	413	–	–	279	A	–	–	–	–
31166740	OP	862	508	354	A	–	–	–	–	–	–	–	–	–
31166790	OP	1,209	585	624	A	751	–	–	297	A	–	–	–	–
31166830	OP	1,057	522	535	A	–	–	–	–	–	–	–	–	–
31166840	OP	1,053	579	474	A	395	–	–	325	A	–	–	–	–
31166950	OP	1,293	678	615	A	603	–	–	390	A	–	–	–	–
31166960	OP	2,644	1,333	1,311	A	1,849	–	–	495	B+	–	–	–	–
31166970	OP	604	318	286	B+	–	–	–	–	–	–	–	–	–
31166980	OP	702	335	367	A	–	–	–	–	–	–	–	–	–
31167030	OP	3,209	1,583	1,626	A	2,246	–	–	571	A	–	–	–	–
31167040	OP	595	288	307	A	–	–	–	–	–	–	–	–	–
31167080	OP	1,059	539	520	B+	617	–	–	276	A	–	–	–	–
31167160	OP	1,493	780	713	A	1,025	–	–	289	A	–	–	–	–
31167210	OP	2,855	1,426	1,429	A	1,991	–	–	527	A	–	–	–	–
31167230	OP	15,550	7,847	7,703	A	11,509	589	A	2,279	A	458	A	495	A
31167250	OP	10,612	5,355	5,257	A	8,170	331	A	1,315	A	348	A	324	A
31167340	OP	945	513	432	A	368	–	–	257	A	–	–	–	–
31167360	OP	1,836	962	874	A	822	288	B+	528	A	–	–	–	–

Mathematics Grade 6														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
31167430	HL	23,277	11,883	11,394	A	15,308	1,611	A	4,374	A	627	A	805	A
31167450	OP	1,013	515	498	A	463	–	–	291	A	–	–	–	–
31167520	OP	1,062	509	553	A	597	–	–	281	A	–	–	–	–
31167560	OP	1,842	891	951	A	1,042	–	–	481	A	–	–	–	–
31167580	HL	11,519	5,901	5,618	A	7,529	865	A	2,110	A	450	A	–	–
31167600	OP	1,858	931	927	A	976	–	–	506	A	–	–	–	–
31167640	OP	1,072	530	542	A	–	–	–	–	–	–	–	–	–
31167730	OP	594	330	264	A	–	–	–	–	–	–	–	–	–
31167780	OP	13,249	6,689	6,560	A	9,988	466	A	1,792	A	415	A	408	A
31167820	OP	2,194	1,123	1,071	A	1,506	–	–	401	A	–	–	–	–
31167850	OP	1,459	742	717	A	853	–	–	376	A	–	–	–	–
31167970	OP	1,593	850	743	A	776	–	–	429	A	–	–	–	–
31168100	OP	774	404	370	A	–	–	–	–	–	–	–	–	–
31168110	OP	3,770	1,879	1,891	A	3,005	–	–	402	A	–	–	–	–
31168680	OP	934	475	459	A	476	–	–	258	A	–	–	–	–
31168690	OP	2,096	1,041	1,055	A	1,210	–	–	550	B-	–	–	–	–
31168770	OP	1,418	717	701	A	633	–	–	420	A	–	–	–	–
31168790	OP	1,470	775	695	A	684	–	–	431	A	–	–	–	–
31168820	OP	682	365	317	A	–	–	–	–	–	–	–	–	–
31168840	OP	2,455	1,312	1,143	A	1,030	447	A	672	A	–	–	–	–
31168870	OP	2,608	1,274	1,334	A	1,541	–	–	652	A	–	–	–	–
31168920	VL	1,263	648	615	A	–	–	–	–	–	–	–	–	–
31169010	OP	15,968	8,058	7,910	A	11,750	610	A	2,403	A	465	A	508	A
31169020	OP	2,210	1,138	1,072	A	1,457	–	–	442	A	–	–	–	–
31169070	OP	1,382	702	680	A	890	–	–	310	A	–	–	–	–
31169090	OP	3,386	1,745	1,641	B-	1,674	452	A	909	A	–	–	–	–
31169190	HL	23,277	11,883	11,394	A	15,308	1,611	A	4,374	A	627	A	805	A
31169290	VL	1,257	644	613	A	–	–	–	–	–	–	–	–	–
31169730	VL	1,258	644	614	A	–	–	–	–	–	–	–	–	–
31170570	VL	1,258	644	614	A	–	–	–	–	–	–	–	–	–
31170600	VL	1,258	644	614	A	–	–	–	–	–	–	–	–	–
31172070	VL	1,257	644	613	A	–	–	–	–	–	–	–	–	–

Mathematics Grade 6															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31172530	VL	1,259	645	614	C-	–	–	–	–	–	–	–	–	–	
31172690	VL	1,259	645	614	A	–	–	–	–	–	–	–	–	–	
31173240	HL	11,758	5,982	5,776	B-	7,779	746	A	2,264	A	–	–	574	A	
31173360	VL	1,257	644	613	A	–	–	–	–	–	–	–	–	–	
31173920	VL	1,263	648	615	A	–	–	–	–	–	–	–	–	–	
31173970	VL	1,258	644	614	A	–	–	–	–	–	–	–	–	–	
31175280	VL	1,263	648	615	A	–	–	–	–	–	–	–	–	–	
31175310	VL	1,263	648	615	A	–	–	–	–	–	–	–	–	–	
31175810	OP	1,426	692	734	A	745	–	–	385	A	–	–	–	–	
31175940	OP	704	392	312	A	–	–	–	–	–	–	–	–	–	
31175960	OP	1,495	779	716	A	609	268	A	445	A	–	–	–	–	
31176060	OP	1,736	996	740	A	636	378	A	477	A	–	–	–	–	
31176280	OP	878	518	360	A	–	–	–	–	–	–	–	–	–	
31176370	OP	741	444	297	A	–	–	–	–	–	–	–	–	–	
31176410	OP	938	521	417	A	–	–	–	–	–	–	–	–	–	
31176450	VL	1,259	645	614	A	–	–	–	–	–	–	–	–	–	
31176460	HL	23,277	11,883	11,394	A	15,308	1,611	A	4,374	A	627	A	805	A	
31176470	OP	2,127	1,122	1,005	B+	1,095	255	A	561	A	–	–	–	–	
31176600	VL	1,258	644	614	A	–	–	–	–	–	–	–	–	–	
31176640	OP	1,230	621	609	A	730	–	–	282	A	–	–	–	–	
31176670	OP	1,997	982	1,015	A	1,143	–	–	509	A	–	–	–	–	
31176710	OP	1,192	595	597	A	–	–	–	–	–	–	–	–	–	
31176730	HL	23,277	11,883	11,394	A	15,308	1,611	A	4,374	A	627	C-	805	A	
31176750	OP	1,022	505	517	A	612	–	–	256	A	–	–	–	–	
31176790	OP	1,812	876	936	A	1,008	–	–	459	A	–	–	–	–	
31176810	OP	698	356	342	A	–	–	–	–	–	–	–	–	–	
31176820	OP	795	410	385	A	–	–	–	–	–	–	–	–	–	
31176840	OP	676	356	320	A	–	–	–	–	–	–	–	–	–	
31176850	OP	1,158	569	589	A	659	–	–	300	A	–	–	–	–	
31176900	OP	3,325	1,651	1,674	A	2,273	–	–	650	A	–	–	–	–	
31176910	OP	860	444	416	A	–	–	–	–	–	–	–	–	–	
31176920	OP	888	461	427	A	–	–	–	–	–	–	–	–	–	

Mathematics Grade 6														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
31176930	OP	1,638	847	791	B+	846	–	–	443	A	–	–	–	–
31176990	OP	844	432	412	A	–	–	–	–	–	–	–	–	–
31177000	HL	11,519	5,901	5,618	A	7,529	865	A	2,110	A	450	A	–	–
31177010	OP	1,544	767	777	A	931	–	–	394	A	–	–	–	–
31177060	OP	610	337	273	A	–	–	–	–	–	–	–	–	–
31177070	OP	10,021	5,101	4,920	A	7,793	307	A	1,175	A	329	A	304	A
31177110	OP	2,286	1,168	1,118	A	1,202	282	A	576	A	–	–	–	–
31177120	OP	1,702	916	786	A	889	–	–	432	A	–	–	–	–
31177150	OP	843	442	401	B+	–	–	–	–	–	–	–	–	–
31177160	OP	1,181	598	583	A	556	–	–	348	A	–	–	–	–
31177280	HL	11,758	5,982	5,776	A	7,779	746	A	2,264	A	–	–	574	A
31177300	HL	11,758	5,982	5,776	A	7,779	746	A	2,264	A	–	–	574	A
31177320	OP	2,841	1,430	1,411	A	1,519	278	B+	766	A	–	–	–	–
31177350	OP	1,573	803	770	A	850	–	–	412	A	–	–	–	–
31177440	HL	11,519	5,901	5,618	A	7,529	865	A	2,110	A	450	A	–	–
31177460	OP	1,448	741	707	A	738	–	–	390	B-	–	–	–	–
31177510	HL	11,758	5,982	5,776	A	7,779	746	A	2,264	A	–	–	574	A
31177530	OP	2,350	1,149	1,201	A	1,510	–	–	510	A	–	–	–	–
31177640	OP	9,106	4,648	4,458	A	7,149	264	A	1,021	A	309	A	260	A
31177690	OP	546	294	252	A	–	–	–	–	–	–	–	–	–
31177720	OP	634	323	311	A	–	–	–	–	–	–	–	–	–
31177740	HL	11,519	5,901	5,618	A	7,529	865	A	2,110	A	450	A	–	–
31177790	OP	2,159	1,094	1,065	A	1,357	–	–	503	A	–	–	–	–
31177810	OP	959	484	475	A	461	–	–	278	A	–	–	–	–
31177850	OP	1,974	950	1,024	A	1,417	–	–	330	A	–	–	–	–
31177860	OP	7,436	3,766	3,670	A	5,578	273	A	1,014	A	271	A	–	–
31189270	OP	10,860	5,503	5,357	C-	7,635	522	A	1,866	A	363	A	275	A
31189300	OP	2,032	1,040	992	A	1,386	–	–	387	A	–	–	–	–
31189370	OP	681	346	335	A	–	–	–	–	–	–	–	–	–
31189420	OP	749	382	367	A	–	–	–	–	–	–	–	–	–
31189440	OP	545	291	254	A	–	–	–	–	–	–	–	–	–
31189470	OP	590	313	277	A	–	–	–	–	–	–	–	–	–

Mathematics Grade 6															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31189490	OP	1,301	644	657	A	693	–	–	352	A	–	–	–	–	
31189660	OP	1,695	882	813	B+	881	–	–	444	A	–	–	–	–	
31189770	OP	591	306	285	A	–	–	–	–	–	–	–	–	–	
31189940	OP	18,053	9,095	8,958	B-	12,936	779	A	2,941	A	500	A	596	A	
31189970	OP	890	467	423	A	–	–	–	–	–	–	–	–	–	
31190020	HL	11,519	5,901	5,618	A	7,529	865	A	2,110	A	450	A	–	–	
31190060	HL	23,277	11,883	11,394	A	15,308	1,611	A	4,374	A	627	A	805	A	
31190200	HL	23,277	11,883	11,394	A	15,308	1,611	A	4,374	A	627	A	805	A	
31190250	OP	1,264	608	656	A	706	–	–	328	B+	–	–	–	–	
31190280	OP	4,364	2,169	2,195	A	2,527	345	A	1,108	A	–	–	–	–	
31190360	OP	1,534	791	743	A	1,059	–	–	283	A	–	–	–	–	
31190820	OP	1,443	713	730	A	777	–	–	384	A	–	–	–	–	
31190830	OP	3,757	1,913	1,844	A	2,858	–	–	536	A	–	–	–	–	
31190840	OP	5,033	2,584	2,449	A	4,061	–	–	430	A	–	–	–	–	
31190850	OP	9,972	5,044	4,928	A	7,735	313	A	1,163	A	333	A	312	A	
31190860	HL	23,277	11,883	11,394	A	15,308	1,611	A	4,374	A	627	C-	805	A	
31190880	OP	706	349	357	A	–	–	–	–	–	–	–	–	–	
31190900	OP	1,344	773	571	A	486	309	A	365	A	–	–	–	–	
31190910	HL	23,277	11,883	11,394	A	15,308	1,611	A	4,374	A	627	A	805	A	
31190920	OP	1,004	522	482	A	456	–	–	282	A	–	–	–	–	
31190930	OP	1,095	539	556	A	703	–	–	253	A	–	–	–	–	
31190940	OP	8,980	4,548	4,432	A	7,021	262	A	1,019	A	303	A	274	A	
31190960	OP	16,244	8,225	8,019	A	11,924	625	A	2,461	A	467	A	518	A	
31190980	OP	1,810	896	914	A	1,269	–	–	329	A	–	–	–	–	
31191010	OP	2,788	1,432	1,356	A	1,914	–	–	524	A	–	–	–	–	
31191020	HL	23,277	11,883	11,394	A	15,308	1,611	A	4,374	A	627	A	805	A	
31191030	HL	11,758	5,982	5,776	A	7,779	746	A	2,264	A	–	–	574	A	
31191050	OP	14,886	7,534	7,352	A	11,101	552	A	2,117	A	443	A	467	A	
31191060	OP	1,199	705	494	A	430	270	A	326	A	–	–	–	–	
31191080	HL	23,277	11,883	11,394	A	15,308	1,611	A	4,374	A	627	A	805	A	
31191090	OP	655	342	313	C-	–	–	–	–	–	–	–	–	–	
31191110	OP	2,791	1,407	1,384	B+	1,906	–	–	547	A	–	–	–	–	

Mathematics Grade 6														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
31191120	OP	9,161	4,658	4,503	A	7,165	272	B+	1,036	A	314	B+	273	A
31191130	OP	1,441	765	676	A	577	270	A	422	A	–	–	–	–
31191150	OP	15,754	7,962	7,792	A	11,633	603	A	2,330	A	471	A	491	A
31191170	OP	10,571	5,347	5,224	A	8,166	333	A	1,275	A	339	A	331	A
31191180	OP	983	564	419	A	355	–	–	268	A	–	–	–	–
31191200	OP	13,256	6,716	6,540	A	10,007	452	A	1,799	A	416	A	410	A
31191210	OP	4,356	2,141	2,215	A	3,443	–	–	491	A	–	–	–	–
31191360	VL	1,257	644	613	A	–	–	–	–	–	–	–	–	–
31192180	VL	1,263	648	615	A	–	–	–	–	–	–	–	–	–
31193310	VL	1,259	645	614	A	–	–	–	–	–	–	–	–	–
31193370	HL	11,519	5,901	5,618	A	7,529	865	A	2,110	A	450	A	–	–
31193560	VL	1,259	645	614	A	–	–	–	–	–	–	–	–	–
31193630	VL	1,257	644	613	A	–	–	–	–	–	–	–	–	–
31194320	VL	1,258	644	614	A	–	–	–	–	–	–	–	–	–
31194390	VL	1,258	644	614	B+	–	–	–	–	–	–	–	–	–
31231670	VL	1,263	648	615	A	–	–	–	–	–	–	–	–	–
31232470	VL	1,263	648	615	B+	–	–	–	–	–	–	–	–	–
31232630	HL	23,277	11,883	11,394	A	15,308	1,611	A	4,374	A	627	A	805	A
31233040	OP	1,984	1,115	869	A	757	410	A	557	A	–	–	–	–
31233060	HL	11,758	5,982	5,776	A	7,779	746	A	2,264	A	–	–	574	A
31233110	OP	1,528	784	744	A	689	–	–	436	A	–	–	–	–
31238400	HL	11,519	5,901	5,618	A	7,529	865	A	2,110	A	450	A	–	–
31238410	VL	1,259	645	614	A	–	–	–	–	–	–	–	–	–
31238450	HL	11,758	5,982	5,776	A	7,779	746	A	2,264	A	–	–	574	A
31238490	VL	1,257	644	613	A	–	–	–	–	–	–	–	–	–
31238610	HL	23,277	11,883	11,394	A	15,308	1,611	A	4,374	A	627	A	805	A
31238630	HL	23,277	11,883	11,394	A	15,308	1,611	A	4,374	A	627	A	805	A
31158320	FT	3,127	1,569	1,558	C-	2,145	–	–	557	C-	–	–	–	–
31158330	FT	1,267	648	619	A	–	–	–	–	–	–	–	–	–
31158340	FT	2,295	1,149	1,146	A	1,558	–	–	425	A	–	–	–	–
31158350	FT	1,591	812	779	A	1,056	–	–	276	A	–	–	–	–
31158360	FT	1,581	791	790	A	1,093	–	–	276	A	–	–	–	–

Mathematics Grade 6															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31158370	FT	1,371	694	677	A	–	–	–	–	–	–	–	–	–	
31158380	FT	1,260	640	620	C-	–	–	–	–	–	–	–	–	–	
31158390	FT	1,222	624	598	A	–	–	–	–	–	–	–	–	–	
31158400	FT	1,289	652	637	A	–	–	–	–	–	–	–	–	–	
31158410	FT	1,268	652	616	A	–	–	–	–	–	–	–	–	–	
31158420	FT	1,457	755	702	B-	962	–	–	272	A	–	–	–	–	
31158450	FT	2,189	1,123	1,066	A	1,495	–	–	363	A	–	–	–	–	
31158460	FT	1,231	633	598	A	–	–	–	–	–	–	–	–	–	
31158470	FT	1,311	671	640	A	–	–	–	–	–	–	–	–	–	
31158480	FT	1,290	661	629	A	–	–	–	–	–	–	–	–	–	
31158500	FT	1,473	754	719	A	949	–	–	272	A	–	–	–	–	
31158510	FT	1,428	730	698	A	952	–	–	263	A	–	–	–	–	
31158520	FT	1,441	737	704	B-	955	–	–	266	A	–	–	–	–	
31158540	FT	1,429	725	704	A	946	–	–	262	B+	–	–	–	–	
31158550	FT	1,457	746	711	A	972	–	–	264	A	–	–	–	–	
31158570	FT	1,338	680	658	A	–	–	–	–	–	–	–	–	–	
31158580	FT	1,221	617	604	A	–	–	–	–	–	–	–	–	–	
31158590	FT	1,281	658	623	A	–	–	–	–	–	–	–	–	–	
31158610	FT	1,256	643	613	A	–	–	–	–	–	–	–	–	–	
31158620	FT	1,270	651	619	A	–	–	–	–	–	–	–	–	–	
31158630	FT	1,255	636	619	A	–	–	–	–	–	–	–	–	–	
31158640	FT	1,785	910	875	A	1,199	–	–	315	A	–	–	–	–	
31158650	FT	1,919	977	942	A	1,266	–	–	350	A	–	–	–	–	
31158670	FT	1,247	638	609	A	–	–	–	–	–	–	–	–	–	
31158680	FT	1,222	625	597	A	–	–	–	–	–	–	–	–	–	
31158700	FT	1,291	668	623	A	–	–	–	–	–	–	–	–	–	
31158710	FT	1,252	637	615	A	–	–	–	–	–	–	–	–	–	
31158720	FT	1,429	736	693	A	946	–	–	260	A	–	–	–	–	
31158740	FT	1,392	723	669	A	904	–	–	264	A	–	–	–	–	
31158750	FT	1,269	644	625	A	–	–	–	–	–	–	–	–	–	
31158760	FT	1,257	639	618	A	–	–	–	–	–	–	–	–	–	
31158770	FT	1,221	622	599	A	–	–	–	–	–	–	–	–	–	

Mathematics Grade 6															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31158780	FT	1,220	618	602	A	–	–	–	–	–	–	–	–	–	
31158790	FT	1,385	704	681	B-	913	–	–	257	A	–	–	–	–	
31158800	FT	1,344	680	664	A	875	–	–	252	B+	–	–	–	–	
31158830	FT	1,235	626	609	B-	–	–	–	–	–	–	–	–	–	
31158840	FT	1,497	761	736	A	1,001	–	–	279	A	–	–	–	–	
31158850	FT	1,258	643	615	A	–	–	–	–	–	–	–	–	–	
31158870	FT	2,039	1,036	1,003	A	1,373	–	–	365	A	–	–	–	–	
31158880	FT	1,738	899	839	A	1,169	–	–	314	A	–	–	–	–	
31158890	FT	1,322	675	647	A	–	–	–	–	–	–	–	–	–	
31158900	FT	1,272	647	625	A	–	–	–	–	–	–	–	–	–	
31158910	FT	1,273	651	622	A	–	–	–	–	–	–	–	–	–	
31158920	FT	1,223	619	604	A	–	–	–	–	–	–	–	–	–	
31158950	FT	1,250	638	612	A	–	–	–	–	–	–	–	–	–	
31158970	FT	1,225	625	600	A	–	–	–	–	–	–	–	–	–	
31158980	FT	1,286	660	626	A	–	–	–	–	–	–	–	–	–	
31159000	FT	1,538	787	751	A	1,007	–	–	295	A	–	–	–	–	
31159030	FT	1,291	646	645	B-	–	–	–	–	–	–	–	–	–	
31159050	FT	1,266	647	619	B+	–	–	–	–	–	–	–	–	–	
31159060	FT	1,254	638	616	A	–	–	–	–	–	–	–	–	–	
31159070	FT	1,220	621	599	C+	–	–	–	–	–	–	–	–	–	
31159080	FT	1,410	716	694	A	929	–	–	259	A	–	–	–	–	
31159100	FT	1,240	638	602	A	–	–	–	–	–	–	–	–	–	
31159120	FT	1,260	641	619	A	–	–	–	–	–	–	–	–	–	
31159140	FT	1,216	617	599	B-	–	–	–	–	–	–	–	–	–	
31159150	FT	1,412	712	700	A	943	–	–	259	A	–	–	–	–	
31159160	FT	1,264	646	618	A	–	–	–	–	–	–	–	–	–	
31159170	FT	1,276	661	615	A	–	–	–	–	–	–	–	–	–	
31159180	FT	1,254	641	613	A	–	–	–	–	–	–	–	–	–	
31159190	FT	1,460	750	710	A	982	–	–	262	A	–	–	–	–	
31159200	FT	1,367	704	663	A	915	–	–	252	A	–	–	–	–	
31159210	FT	1,387	716	671	A	890	–	–	273	B-	–	–	–	–	
31159220	FT	1,416	710	706	A	931	–	–	270	C-	–	–	–	–	

Mathematics Grade 6															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31159250	FT	1,260	640	620	A	–	–	–	–	–	–	–	–	–	
31159280	FT	1,327	682	645	A	–	–	–	–	–	–	–	–	–	
31159290	FT	1,279	648	631	A	–	–	–	–	–	–	–	–	–	
31221730	FT	1,263	651	612	A	–	–	–	–	–	–	–	–	–	
31222220	FT	1,262	638	624	A	–	–	–	–	–	–	–	–	–	
31222320	FT	1,227	628	599	A	–	–	–	–	–	–	–	–	–	
31222410	FT	1,275	649	626	A	–	–	–	–	–	–	–	–	–	
31222530	FT	1,263	640	623	A	–	–	–	–	–	–	–	–	–	
31222810	FT	1,257	640	617	A	–	–	–	–	–	–	–	–	–	
31222830	FT	1,263	648	615	A	–	–	–	–	–	–	–	–	–	
31222930	FT	1,257	639	618	A	–	–	–	–	–	–	–	–	–	
31223030	FT	1,368	697	671	A	916	–	–	250	A	–	–	–	–	
31223120	FT	1,224	629	595	A	–	–	–	–	–	–	–	–	–	
31223210	FT	1,258	643	615	A	–	–	–	–	–	–	–	–	–	
31223230	FT	1,256	643	613	A	–	–	–	–	–	–	–	–	–	
31223460	FT	1,258	642	616	A	–	–	–	–	–	–	–	–	–	
31223650	FT	1,260	644	616	B-	–	–	–	–	–	–	–	–	–	
31223830	FT	1,283	651	632	A	–	–	–	–	–	–	–	–	–	
31223930	FT	1,279	658	621	A	–	–	–	–	–	–	–	–	–	
31224330	FT	1,268	648	620	A	–	–	–	–	–	–	–	–	–	
31224340	FT	1,346	688	658	A	–	–	–	–	–	–	–	–	–	
31224520	FT	1,335	680	655	A	–	–	–	–	–	–	–	–	–	
31224820	FT	1,371	700	671	A	907	–	–	252	A	–	–	–	–	
31224940	FT	1,261	645	616	A	–	–	–	–	–	–	–	–	–	

Table I.11. DIF Item-Level Statistics—Mathematics Grade 7

Mathematics Grade 7														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
31159650	OPFT	22,893	11,766	11,127	A	15,289	1,540	A	4,140	A	602	A	779	A
31161340	HL	11,919	6,113	5,806	A	7,750	1,020	A	2,052	A	323	B-	444	A
31161500	VL	1,255	644	611	A	–	–	–	–	–	–	–	–	–
31161810	HL	22,893	11,766	11,127	A	15,289	1,540	A	4,140	A	602	A	779	A
31161930	OP	1,351	671	680	A	899	–	–	254	A	–	–	–	–
31161940	OP	5,258	2,642	2,616	A	3,000	487	A	1,289	A	–	–	–	–
31162050	VL	1,000	488	512	A	–	–	–	–	–	–	–	–	–
31162170	VL	1,257	645	612	A	–	–	–	–	–	–	–	–	–
31162270	VL	1,255	644	611	A	–	–	–	–	–	–	–	–	–
31162300	OP	1,559	790	769	A	902	–	–	406	A	–	–	–	–
31162400	OP	2,364	1,288	1,076	A	1,075	367	A	667	A	–	–	–	–
31162620	HL	10,974	5,653	5,321	A	7,539	520	A	2,088	A	279	A	335	A
31162640	OP	3,248	1,679	1,569	A	1,613	393	A	915	A	–	–	–	–
31162720	OP	551	296	255	A	–	–	–	–	–	–	–	–	–
31167280	OP	1,354	754	600	A	524	295	A	356	A	–	–	–	–
31167380	OP	711	369	342	A	–	–	–	–	–	–	–	–	–
31167430	VL	1,000	488	512	A	–	–	–	–	–	–	–	–	–
31167570	HL	22,893	11,766	11,127	A	15,289	1,540	A	4,140	A	602	A	779	A
31167690	OP	22,893	11,766	11,127	A	15,289	1,540	A	4,140	A	602	A	779	A
31167710	OP	6,210	3,176	3,034	A	4,813	–	–	707	A	–	–	–	–
31167750	OP	980	474	506	C-	–	–	–	–	–	–	–	–	–
31167890	OP	1,372	700	672	A	–	–	–	–	–	–	–	–	–
31168020	OP	1,341	658	683	A	–	–	–	–	–	–	–	–	–
31168060	OP	2,740	1,479	1,261	A	–	–	–	–	–	–	–	–	–
31168190	OP	1,017	501	516	A	–	–	–	–	–	–	–	–	–
31168220	OP	1,412	766	646	A	670	–	–	395	A	–	–	–	–
31168230	OP	1,762	841	921	A	1,018	–	–	415	A	–	–	–	–
31168240	OP	12,457	6,370	6,087	B-	8,417	668	A	2,398	A	311	A	405	A
31168250	OP	1,977	1,083	894	A	787	394	A	531	A	–	–	–	–
31168490	VL	1,255	644	611	A	–	–	–	–	–	–	–	–	–
31168610	OP	1,918	1,061	857	A	754	383	A	519	A	–	–	–	–

Mathematics Grade 7														
			Gender			Ethnicity								
			Male	Female		White	Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	(Reference) N	N	DIF	(Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
31169120	OP	3,787	1,995	1,792	A	3,076	–	–	408	A	–	–	–	–
31169170	OP	14,176	7,237	6,939	A	10,798	467	A	1,884	A	418	A	410	A
31169190	VL	1,355	672	683	A	–	–	–	–	–	–	–	–	–
31169200	OP	750	384	366	A	–	–	–	–	–	–	–	–	–
31169290	HL	11,919	6,113	5,806	A	7,750	1,020	A	2,052	A	323	A	444	A
31169310	OP	3,393	1,746	1,647	A	2,598	–	–	445	A	–	–	–	–
31169400	OP	3,074	1,539	1,535	A	1,879	–	–	692	A	–	–	–	–
31169450	OP	7,230	3,771	3,459	A	5,834	–	–	712	A	270	A	–	–
31169470	OP	3,262	1,647	1,615	A	2,509	–	–	446	A	–	–	–	–
31169480	OP	949	439	510	A	–	–	–	–	–	–	–	–	–
31169510	OP	15,461	7,875	7,586	A	11,604	551	A	2,175	A	433	A	466	A
31169660	OP	591	292	299	A	–	–	–	–	–	–	–	–	–
31169740	OP	4,882	2,563	2,319	A	2,461	578	A	1,357	A	–	–	–	–
31169760	OP	970	492	478	A	–	–	–	–	–	–	–	–	–
31169770	OP	580	319	261	A	–	–	–	–	–	–	–	–	–
31169850	OP	872	473	399	A	–	–	–	–	–	–	–	–	–
31169870	OP	634	315	319	A	–	–	–	–	–	–	–	–	–
31169990	OP	1,160	593	567	A	631	–	–	330	A	–	–	–	–
31170040	OP	3,382	1,662	1,720	A	2,145	–	–	739	A	–	–	–	–
31170070	OP	1,622	811	811	A	–	–	–	–	–	–	–	–	–
31171850	HL	22,893	11,766	11,127	A	15,289	1,540	A	4,140	A	602	A	779	A
31171860	VL	1,257	645	612	A	–	–	–	–	–	–	–	–	–
31171950	OP	980	545	435	A	355	–	–	267	A	–	–	–	–
31171980	OP	1,115	530	585	A	612	–	–	263	A	–	–	–	–
31172010	VL	1,257	645	612	A	–	–	–	–	–	–	–	–	–
31172070	HL	11,919	6,113	5,806	A	7,750	1,020	A	2,052	A	323	A	444	A
31172270	HL	22,893	11,766	11,127	A	15,289	1,540	A	4,140	A	602	A	779	A
31172310	OP	1,135	541	594	B+	–	–	–	–	–	–	–	–	–
31172340	OP	704	335	369	A	–	–	–	–	–	–	–	–	–
31172380	HL	22,893	11,766	11,127	A	15,289	1,540	A	4,140	A	602	A	779	A
31172470	OP	549	294	255	A	–	–	–	–	–	–	–	–	–
31172530	HL	10,974	5,653	5,321	A	7,539	520	B-	2,088	A	279	C-	335	A

Mathematics Grade 7															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31172580	OP	2,082	1,057	1,025	A	1,519	–	–	327	A	–	–	–	–	
31172600	OP	1,654	895	759	A	806	–	–	472	A	–	–	–	–	
31172610	OP	2,248	1,180	1,068	A	1,108	291	A	616	A	–	–	–	–	
31172690	HL	10,974	5,653	5,321	A	7,539	520	A	2,088	A	279	A	335	A	
31172760	OP	843	436	407	A	–	–	–	–	–	–	–	–	–	
31172800	OP	1,324	684	640	A	–	–	–	–	–	–	–	–	–	
31172830	OP	1,935	1,053	882	A	–	–	–	–	–	–	–	–	–	
31172850	OP	966	474	492	B+	–	–	–	–	–	–	–	–	–	
31172880	OP	6,990	3,636	3,354	A	5,643	–	–	681	A	261	A	–	–	
31172920	OP	1,010	522	488	A	–	–	–	–	–	–	–	–	–	
31172930	OP	2,559	1,297	1,262	A	1,952	–	–	357	A	–	–	–	–	
31173020	OP	1,938	999	939	B+	1,424	–	–	290	B+	–	–	–	–	
31173050	OP	822	430	392	A	–	–	–	–	–	–	–	–	–	
31173060	OP	732	374	358	B+	–	–	–	–	–	–	–	–	–	
31173230	OP	2,058	1,030	1,028	A	1,558	–	–	301	A	–	–	–	–	
31173350	OP	674	361	313	A	–	–	–	–	–	–	–	–	–	
31173360	HL	11,919	6,113	5,806	A	7,750	1,020	A	2,052	A	323	A	444	A	
31173440	HL	22,893	11,766	11,127	A	15,289	1,540	A	4,140	A	602	A	779	A	
31173470	OP	18,800	9,566	9,234	A	13,464	870	A	3,030	A	504	A	579	A	
31176450	HL	10,974	5,653	5,321	A	7,539	520	B-	2,088	A	279	C-	335	A	
31176460	VL	1,000	488	512	A	–	–	–	–	–	–	–	–	–	
31176730	VL	1,355	672	683	A	–	–	–	–	–	–	–	–	–	
31189670	VL	1,257	645	612	A	–	–	–	–	–	–	–	–	–	
31190060	VL	1,355	672	683	A	–	–	–	–	–	–	–	–	–	
31190200	VL	1,000	488	512	A	–	–	–	–	–	–	–	–	–	
31190860	VL	1,355	672	683	A	–	–	–	–	–	–	–	–	–	
31190910	VL	1,000	488	512	A	–	–	–	–	–	–	–	–	–	
31191020	VL	1,000	488	512	A	–	–	–	–	–	–	–	–	–	
31191080	VL	1,355	672	683	A	–	–	–	–	–	–	–	–	–	
31191260	OP	1,266	663	603	A	553	–	–	374	A	–	–	–	–	
31191270	OP	752	378	374	A	–	–	–	–	–	–	–	–	–	
31191290	OP	2,157	1,195	962	A	880	413	A	585	A	–	–	–	–	

Mathematics Grade 7															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31191300	OP	753	386	367	A	–	–	–	–	–	–	–	–	–	
31191310	OP	2,479	1,361	1,118	A	1,030	463	A	680	A	–	–	–	–	
31191340	OP	1,225	598	627	B-	–	–	–	–	–	–	–	–	–	
31191350	OP	2,156	1,037	1,119	A	1,431	–	–	437	A	–	–	–	–	
31191360	HL	11,919	6,113	5,806	A	7,750	1,020	A	2,052	A	323	A	444	A	
31191370	OP	8,415	4,365	4,050	B+	6,737	–	–	873	A	300	B+	–	–	
31191400	HL	22,893	11,766	11,127	A	15,289	1,540	A	4,140	A	602	A	779	A	
31191410	OP	2,971	1,624	1,347	A	1,344	478	A	776	A	–	–	–	–	
31191420	OP	3,059	1,489	1,570	A	2,062	–	–	588	A	–	–	–	–	
31191440	HL	22,893	11,766	11,127	A	15,289	1,540	A	4,140	A	602	A	779	A	
31191450	OP	1,988	1,073	915	A	802	373	A	545	A	–	–	–	–	
31191460	HL	22,893	11,766	11,127	A	15,289	1,540	A	4,140	A	602	A	779	A	
31191520	VL	1,255	644	611	A	–	–	–	–	–	–	–	–	–	
31191670	VL	1,255	644	611	A	–	–	–	–	–	–	–	–	–	
31191710	VL	1,257	645	612	A	–	–	–	–	–	–	–	–	–	
31191730	VL	1,257	645	612	A	–	–	–	–	–	–	–	–	–	
31191740	VL	1,255	644	611	A	–	–	–	–	–	–	–	–	–	
31191810	VL	1,257	645	612	A	–	–	–	–	–	–	–	–	–	
31191850	OP	1,341	708	633	A	693	–	–	362	A	–	–	–	–	
31191950	OP	2,448	1,224	1,224	A	1,666	–	–	450	A	–	–	–	–	
31191960	OP	721	371	350	A	–	–	–	–	–	–	–	–	–	
31191990	OP	1,147	575	572	A	–	–	–	–	–	–	–	–	–	
31192100	OP	6,053	3,171	2,882	A	4,935	–	–	553	A	–	–	–	–	
31192230	OP	2,795	1,398	1,397	A	1,975	–	–	462	A	–	–	–	–	
31192240	OP	2,601	1,287	1,314	A	1,876	–	–	434	A	–	–	–	–	
31192750	OP	4,724	2,490	2,234	A	3,876	–	–	416	A	–	–	–	–	
31192760	OP	2,220	1,098	1,122	C-	1,571	–	–	391	A	–	–	–	–	
31193190	OP	1,030	541	489	B+	–	–	–	–	–	–	–	–	–	
31193270	OP	11,919	6,113	5,806	B+	7,750	1,020	A	2,052	A	323	A	444	A	
31193280	HL	22,893	11,766	11,127	A	15,289	1,540	A	4,140	A	602	B+	779	A	
31193310	HL	10,974	5,653	5,321	A	7,539	520	A	2,088	A	279	A	335	A	
31193320	OP	10,662	5,439	5,223	A	6,738	993	A	1,944	A	263	A	410	A	

Mathematics Grade 7														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
31193350	OP	1,164	602	562	A	671	–	–	311	A	–	–	–	–
31193360	OP	1,257	674	583	A	–	–	–	–	–	–	–	–	–
31193400	OP	19,922	10,142	9,780	A	13,945	1,062	A	3,364	A	528	A	634	A
31193410	OP	1,930	923	1,007	A	1,198	–	–	445	A	–	–	–	–
31193440	OP	1,194	651	543	A	511	–	–	318	A	–	–	–	–
31193450	OP	1,262	618	644	A	666	–	–	306	A	–	–	–	–
31193460	OP	1,344	690	654	A	–	–	–	–	–	–	–	–	–
31193470	OP	6,608	3,484	3,124	A	3,195	921	A	1,772	A	–	–	282	A
31193510	OP	1,744	932	812	A	886	–	–	472	A	–	–	–	–
31193520	OP	1,560	749	811	A	1,033	–	–	313	A	–	–	–	–
31193530	OP	1,441	708	733	A	883	–	–	337	A	–	–	–	–
31193540	HL	22,893	11,766	11,127	B-	15,289	1,540	A	4,140	A	602	A	779	A
31193550	OP	653	322	331	A	–	–	–	–	–	–	–	–	–
31193560	HL	10,974	5,653	5,321	A	7,539	520	A	2,088	A	279	A	335	A
31193580	OP	22,893	11,766	11,127	A	15,289	1,540	A	4,140	A	602	A	779	A
31193590	OP	22,893	11,766	11,127	A	15,289	1,540	A	4,140	A	602	A	779	A
31193600	OP	1,287	673	614	A	–	–	–	–	–	–	–	–	–
31193610	HL	22,893	11,766	11,127	A	15,289	1,540	A	4,140	A	602	A	779	A
31193630	HL	11,919	6,113	5,806	A	7,750	1,020	A	2,052	A	323	A	444	A
31193640	OP	1,323	690	633	A	710	–	–	359	A	–	–	–	–
31193650	OP	4,750	2,487	2,263	A	2,331	705	A	1,200	A	–	–	–	–
31193660	OP	22,893	11,766	11,127	A	15,289	1,540	A	4,140	A	602	A	779	A
31193670	OP	1,874	948	926	B+	1,146	–	–	416	A	–	–	–	–
31231230	HL	22,893	11,766	11,127	A	15,289	1,540	A	4,140	A	602	A	779	A
31231300	OP	1,301	670	631	A	–	–	–	–	–	–	–	–	–
31231620	OP	21,592	11,096	10,496	A	14,464	1,487	A	3,897	A	568	A	712	A
31232590	VL	1,255	644	611	A	–	–	–	–	–	–	–	–	–
31232620	OP	803	384	419	A	–	–	–	–	–	–	–	–	–
31232630	VL	1,355	672	683	A	–	–	–	–	–	–	–	–	–
31232770	OP	1,109	593	516	A	535	–	–	306	A	–	–	–	–
31238410	HL	10,974	5,653	5,321	A	7,539	520	A	2,088	A	279	A	335	A
31238420	HL	22,893	11,766	11,127	A	15,289	1,540	A	4,140	A	602	A	779	A

Mathematics Grade 7														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
31238430	OP	11,919	6,113	5,806	A	7,750	1,020	A	2,052	A	323	A	444	A
31238460	OP	10,974	5,653	5,321	A	7,539	520	A	2,088	A	279	A	335	A
31238490	HL	11,919	6,113	5,806	A	7,750	1,020	A	2,052	A	323	A	444	A
31238610	VL	1,000	488	512	A	–	–	–	–	–	–	–	–	–
31238630	VL	1,355	672	683	A	–	–	–	–	–	–	–	–	–
31159390	FT	1,887	934	953	A	1,311	–	–	318	A	–	–	–	–
31159420	FT	1,603	773	830	A	1,061	–	–	287	A	–	–	–	–
31159430	FT	1,331	667	664	A	–	–	–	–	–	–	–	–	–
31159440	FT	1,355	676	679	A	–	–	–	–	–	–	–	–	–
31159450	FT	1,456	699	757	A	989	–	–	255	B+	–	–	–	–
31159460	FT	1,361	664	697	A	–	–	–	–	–	–	–	–	–
31159590	FT	1,509	772	737	A	1,054	–	–	262	A	–	–	–	–
31159610	FT	1,275	652	623	A	–	–	–	–	–	–	–	–	–
31159620	FT	1,250	644	606	A	–	–	–	–	–	–	–	–	–
31159630	FT	1,261	649	612	A	–	–	–	–	–	–	–	–	–
31159660	FT	1,275	648	627	A	–	–	–	–	–	–	–	–	–
31159670	FT	1,271	656	615	A	–	–	–	–	–	–	–	–	–
31159680	FT	1,310	674	636	A	–	–	–	–	–	–	–	–	–
31159800	FT	1,345	674	671	A	–	–	–	–	–	–	–	–	–
31159810	FT	1,293	655	638	A	–	–	–	–	–	–	–	–	–
31159820	FT	1,270	647	623	A	–	–	–	–	–	–	–	–	–
31159830	FT	1,301	670	631	A	–	–	–	–	–	–	–	–	–
31159890	FT	1,308	657	651	A	–	–	–	–	–	–	–	–	–
31159900	FT	1,294	662	632	A	–	–	–	–	–	–	–	–	–
31159910	FT	1,267	649	618	A	–	–	–	–	–	–	–	–	–
31159920	FT	1,253	642	611	A	–	–	–	–	–	–	–	–	–
31159930	FT	1,313	677	636	A	–	–	–	–	–	–	–	–	–
31159990	FT	1,285	651	634	A	–	–	–	–	–	–	–	–	–
31160000	FT	1,294	657	637	A	–	–	–	–	–	–	–	–	–
31160010	FT	1,324	673	651	A	–	–	–	–	–	–	–	–	–
31160050	FT	1,305	670	635	A	–	–	–	–	–	–	–	–	–
31160060	FT	1,254	646	608	A	–	–	–	–	–	–	–	–	–

Mathematics Grade 7															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31160070	FT	1,247	644	603	A	–	–	–	–	–	–	–	–	–	
31160080	FT	1,329	675	654	A	–	–	–	–	–	–	–	–	–	
31160090	FT	1,266	646	620	A	–	–	–	–	–	–	–	–	–	
31160150	FT	1,319	675	644	B+	–	–	–	–	–	–	–	–	–	
31160160	FT	1,268	644	624	A	–	–	–	–	–	–	–	–	–	
31160190	FT	1,307	672	635	A	–	–	–	–	–	–	–	–	–	
31160250	FT	1,286	654	632	A	–	–	–	–	–	–	–	–	–	
31160260	FT	1,275	650	625	A	–	–	–	–	–	–	–	–	–	
31160280	FT	1,390	670	720	A	–	–	–	–	–	–	–	–	–	
31160290	FT	1,324	676	648	A	–	–	–	–	–	–	–	–	–	
31160350	FT	1,281	652	629	A	–	–	–	–	–	–	–	–	–	
31160360	FT	1,247	643	604	A	–	–	–	–	–	–	–	–	–	
31160370	FT	1,245	643	602	A	–	–	–	–	–	–	–	–	–	
31160380	FT	2,104	1,030	1,074	A	1,535	–	–	336	A	–	–	–	–	
31160400	FT	1,302	670	632	A	–	–	–	–	–	–	–	–	–	
31160480	FT	1,490	783	707	A	1,044	–	–	276	B-	–	–	–	–	
31160490	FT	1,309	670	639	A	–	–	–	–	–	–	–	–	–	
31160510	FT	1,240	640	600	B+	–	–	–	–	–	–	–	–	–	
31160580	FT	1,307	673	634	A	–	–	–	–	–	–	–	–	–	
31160590	FT	1,262	649	613	A	–	–	–	–	–	–	–	–	–	
31160610	FT	1,314	674	640	A	–	–	–	–	–	–	–	–	–	
31160690	FT	1,348	688	660	A	932	–	–	251	A	–	–	–	–	
31160710	FT	1,253	645	608	B-	–	–	–	–	–	–	–	–	–	
31160720	FT	1,318	674	644	A	–	–	–	–	–	–	–	–	–	
31160780	FT	1,438	678	760	A	–	–	–	–	–	–	–	–	–	
31160790	FT	1,304	673	631	A	–	–	–	–	–	–	–	–	–	
31160800	FT	1,252	646	606	A	–	–	–	–	–	–	–	–	–	
31160810	FT	1,248	644	604	A	–	–	–	–	–	–	–	–	–	
31160820	FT	1,322	675	647	A	–	–	–	–	–	–	–	–	–	
31160830	FT	1,261	649	612	A	–	–	–	–	–	–	–	–	–	
31160900	FT	1,724	868	856	A	1,203	–	–	294	A	–	–	–	–	
31160910	FT	1,259	650	609	B-	–	–	–	–	–	–	–	–	–	

Mathematics Grade 7															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31160920	FT	1,308	673	635	A	–	–	–	–	–	–	–	–	–	
31160930	FT	1,253	641	612	A	–	–	–	–	–	–	–	–	–	
31160940	FT	1,306	673	633	A	–	–	–	–	–	–	–	–	–	
31160950	FT	1,243	641	602	A	–	–	–	–	–	–	–	–	–	
31161040	FT	1,248	643	605	A	–	–	–	–	–	–	–	–	–	
31161060	FT	1,253	647	606	A	–	–	–	–	–	–	–	–	–	
31161100	FT	1,256	643	613	A	–	–	–	–	–	–	–	–	–	
31161110	FT	1,249	643	606	A	–	–	–	–	–	–	–	–	–	
31161120	FT	1,305	674	631	A	891	–	–	252	A	–	–	–	–	
31161130	FT	1,293	651	642	A	–	–	–	–	–	–	–	–	–	
31161140	FT	1,317	673	644	A	–	–	–	–	–	–	–	–	–	
31161200	FT	1,249	644	605	A	–	–	–	–	–	–	–	–	–	
31161210	FT	1,289	654	635	A	–	–	–	–	–	–	–	–	–	
31161220	FT	1,321	674	647	A	–	–	–	–	–	–	–	–	–	
31161230	FT	1,502	770	732	A	1,067	–	–	258	A	–	–	–	–	
31161240	FT	1,539	774	765	A	1,095	–	–	267	A	–	–	–	–	
31225130	FT	1,276	651	625	A	–	–	–	–	–	–	–	–	–	
31225220	FT	1,249	643	606	A	–	–	–	–	–	–	–	–	–	
31225320	FT	1,255	641	614	A	–	–	–	–	–	–	–	–	–	
31225940	FT	1,265	643	622	A	–	–	–	–	–	–	–	–	–	
31226060	FT	1,307	673	634	A	–	–	–	–	–	–	–	–	–	
31226120	FT	1,260	647	613	A	–	–	–	–	–	–	–	–	–	
31226340	FT	1,257	643	614	A	–	–	–	–	–	–	–	–	–	
31226460	FT	1,263	646	617	A	–	–	–	–	–	–	–	–	–	
31226510	FT	1,314	664	650	A	–	–	–	–	–	–	–	–	–	
31226530	FT	1,243	639	604	A	–	–	–	–	–	–	–	–	–	
31226620	FT	1,307	676	631	B+	–	–	–	–	–	–	–	–	–	
31226940	FT	1,328	666	662	A	–	–	–	–	–	–	–	–	–	
31227240	FT	1,247	642	605	A	–	–	–	–	–	–	–	–	–	
31227360	FT	1,364	667	697	A	–	–	–	–	–	–	–	–	–	
31227410	FT	1,331	679	652	B+	–	–	–	–	–	–	–	–	–	
31227500	FT	1,401	705	696	A	–	–	–	–	–	–	–	–	–	

Table I.12. DIF Item-Level Statistics—Mathematics Grade 8

Mathematics Grade 8														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
31159770	OPFT	23,177	11,864	11,313	B-	15,670	1,439	A	4,175	A	629	C-	723	A
31159860	OPFT	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A
31160230	OPFT	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A
31161500	HL	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A
31161520	OP	3,326	1,739	1,587	A	2,043	280	A	740	A	–	–	–	–
31161580	HL	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A
31161810	VL	2,488	1,064	1,424	A	1,590	–	–	514	A	–	–	–	–
31162120	OP	4,579	2,624	1,955	A	2,178	646	A	1,224	A	–	–	–	–
31162170	HL	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A
31162240	OP	2,680	1,350	1,330	A	1,817	–	–	516	A	–	–	–	–
31162270	HL	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A
31162280	OP	1,465	777	688	A	837	–	–	345	A	–	–	–	–
31162440	OP	12,852	6,300	6,552	A	9,826	358	A	1,756	A	406	A	363	A
31162470	OP	2,956	1,608	1,348	A	1,665	322	A	695	A	–	–	–	–
31162600	OP	6,737	3,340	3,397	A	5,359	–	–	765	A	258	A	–	–
31163460	OP	10,934	5,376	5,558	A	8,463	274	A	1,420	A	371	A	294	A
31163510	OP	2,386	1,165	1,221	A	1,721	–	–	390	A	–	–	–	–
31167570	VL	1,250	639	611	A	–	–	–	–	–	–	–	–	–
31168430	HL	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A
31168490	HL	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A
31168500	OP	23,177	11,864	11,312	A	15,669	1,439	A	4,175	A	629	A	723	A
31170710	OP	4,564	2,626	1,938	A	2,149	660	A	1,222	A	–	–	–	–
31170730	OP	4,569	2,151	2,418	A	3,471	–	–	658	A	–	–	–	–
31170980	OP	3,781	2,146	1,635	A	1,809	544	A	991	A	–	–	–	–
31171100	OP	1,748	884	864	A	1,283	–	–	274	A	–	–	–	–
31171220	OP	1,718	864	854	A	1,160	–	–	337	A	–	–	–	–
31171270	OP	2,441	1,263	1,178	A	1,632	–	–	492	A	–	–	–	–
31171440	OP	2,638	1,568	1,070	A	1,145	427	A	732	A	–	–	–	–
31171500	OP	1,490	736	754	A	1,036	–	–	267	A	–	–	–	–
31171570	OP	2,441	1,230	1,211	A	1,765	–	–	398	A	–	–	–	–
31171620	HL	23,177	11,864	11,312	A	15,669	1,439	A	4,175	A	629	A	723	A

Mathematics Grade 8														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
31171670	OP	3,827	1,974	1,853	A	2,353	327	A	839	A	–	–	–	–
31171710	OP	2,740	1,327	1,413	A	2,037	–	–	425	A	–	–	–	–
31171730	HL	23,177	11,864	11,312	A	15,669	1,439	A	4,175	A	629	A	723	A
31171790	HL	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A
31171850	VL	1,250	639	611	A	–	–	–	–	–	–	–	–	–
31171860	HL	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A
31171900	OP	18,544	9,203	9,340	A	13,426	790	A	2,964	A	530	B-	552	A
31172010	HL	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A
31172270	VL	2,488	1,064	1,424	A	1,590	–	–	514	B-	–	–	–	–
31172380	VL	1,250	639	611	B-	–	–	–	–	–	–	–	–	–
31173440	VL	1,250	639	611	A	–	–	–	–	–	–	–	–	–
31189310	OP	3,799	2,209	1,590	A	1,746	569	A	1,035	A	–	–	–	–
31189450	OP	2,237	1,193	1,044	A	1,319	–	–	531	A	–	–	–	–
31189520	OP	1,289	799	490	A	553	–	–	368	A	–	–	–	–
31189600	OP	1,645	824	821	A	1,181	–	–	271	A	–	–	–	–
31189640	OP	6,058	3,418	2,640	A	3,000	806	A	1,586	A	–	–	–	–
31189670	HL	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A
31189690	OP	1,863	908	955	A	1,167	–	–	414	A	–	–	–	–
31189860	OP	1,333	762	571	B-	658	–	–	335	C-	–	–	–	–
31189910	OP	1,029	533	496	A	–	–	–	–	–	–	–	–	–
31189990	OP	13,726	6,699	7,027	A	10,427	417	A	1,916	A	423	A	388	A
31190010	OP	1,307	673	634	A	873	–	–	264	A	–	–	–	–
31190080	OP	9,589	4,665	4,924	A	7,489	–	–	1,202	A	348	A	252	A
31190090	OP	3,303	1,727	1,576	A	2,073	255	A	704	A	–	–	–	–
31190180	OP	2,352	1,246	1,106	A	1,377	–	–	545	A	–	–	–	–
31190260	OP	2,068	1,116	952	A	1,220	–	–	472	A	–	–	–	–
31190270	OP	7,545	3,692	3,853	A	5,978	–	–	882	A	281	A	–	–
31190380	OP	2,731	1,371	1,360	A	1,872	–	–	500	A	–	–	–	–
31191400	VL	1,250	639	611	A	–	–	–	–	–	–	–	–	–
31191440	VL	2,488	1,064	1,424	A	1,590	–	–	514	B-	–	–	–	–
31191460	VL	1,250	639	611	A	–	–	–	–	–	–	–	–	–
31191480	OP	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A

Mathematics Grade 8														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
31191510	HL	23,177	11,864	11,312	A	15,669	1,439	A	4,175	A	629	B+	723	A
31191520	HL	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	B+	723	A
31191530	OP	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A
31191540	OP	6,256	3,507	2,749	A	3,121	818	A	1,630	A	–	–	–	–
31191550	OP	16,919	8,355	8,564	A	12,548	621	A	2,545	A	488	A	501	A
31191570	OP	11,213	5,490	5,723	A	8,736	277	A	1,411	A	378	A	305	A
31191590	OP	11,966	6,376	5,590	A	6,935	1,162	A	2,764	A	251	A	418	A
31191610	OP	23,177	11,864	11,312	B+	15,669	1,439	A	4,175	A	629	B+	723	A
31191650	OP	4,230	2,248	1,982	B-	2,362	459	A	1,017	A	–	–	–	–
31191660	OP	2,013	929	1,084	A	1,431	–	–	343	A	–	–	–	–
31191670	HL	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A
31191680	OP	5,753	2,921	2,832	B-	3,844	352	A	1,133	A	–	–	–	–
31191690	OP	3,821	1,833	1,988	A	2,848	–	–	574	A	–	–	–	–
31191710	HL	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A
31191730	HL	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A
31191740	HL	23,177	11,864	11,313	B-	15,670	1,439	A	4,175	A	629	A	723	A
31191780	OP	3,944	2,278	1,666	A	1,833	580	A	1,064	A	–	–	–	–
31191810	HL	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A
31191820	OP	3,081	1,807	1,274	A	1,368	476	A	852	A	–	–	–	–
31191830	OP	17,829	8,832	8,996	A	13,046	710	A	2,775	A	509	A	530	A
31191840	OP	7,989	3,916	4,073	A	6,298	–	–	950	A	300	A	–	–
31191860	OP	15,188	7,948	7,240	A	9,372	1,278	A	3,225	A	329	A	510	A
31191930	OP	5,096	2,543	2,553	A	4,078	–	–	547	A	–	–	–	–
31192500	OP	23,177	11,864	11,312	A	15,669	1,439	A	4,175	A	629	A	723	A
31193280	VL	2,488	1,064	1,424	A	1,590	–	–	514	A	–	–	–	–
31193540	VL	2,488	1,064	1,424	C-	1,590	–	–	514	B-	–	–	–	–
31193610	VL	1,250	639	611	A	–	–	–	–	–	–	–	–	–
31231230	VL	2,488	1,064	1,424	A	1,590	–	–	514	A	–	–	–	–
31232590	HL	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A
31238390	HL	23,177	11,864	11,313	A	15,670	1,439	A	4,175	A	629	A	723	A
31238420	VL	2,488	1,064	1,424	A	1,590	–	–	514	A	–	–	–	–
31159510	FT	1,037	443	594	A	–	–	–	–	–	–	–	–	–

Mathematics Grade 8															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31159560	FT	1,129	614	515	A	–	–	–	–	–	–	–	–	–	
31159570	FT	1,042	446	596	A	–	–	–	–	–	–	–	–	–	
31159580	FT	2,022	869	1,153	A	1,316	–	–	427	A	–	–	–	–	
31159690	FT	1,071	446	625	A	–	–	–	–	–	–	–	–	–	
31159710	FT	2,071	872	1,199	A	1,305	–	–	438	A	–	–	–	–	
31159720	FT	1,067	446	621	A	–	–	–	–	–	–	–	–	–	
31159730	FT	1,066	446	620	A	–	–	–	–	–	–	–	–	–	
31159740	FT	2,069	872	1,197	A	1,321	–	–	440	A	–	–	–	–	
31159750	FT	1,065	446	619	A	–	–	–	–	–	–	–	–	–	
31159760	FT	1,058	448	610	A	–	–	–	–	–	–	–	–	–	
31159780	FT	2,052	872	1,180	A	1,304	–	–	440	A	–	–	–	–	
31159840	FT	1,071	447	624	A	–	–	–	–	–	–	–	–	–	
31159850	FT	1,068	445	623	A	–	–	–	–	–	–	–	–	–	
31159870	FT	1,060	447	613	A	–	–	–	–	–	–	–	–	–	
31159880	FT	1,054	447	607	A	–	–	–	–	–	–	–	–	–	
31159940	FT	1,059	447	612	A	–	–	–	–	–	–	–	–	–	
31159960	FT	1,247	446	801	A	672	–	–	283	A	–	–	–	–	
31159970	FT	1,227	447	780	A	669	–	–	276	A	–	–	–	–	
31160020	FT	1,063	447	616	A	–	–	–	–	–	–	–	–	–	
31160030	FT	1,138	626	512	A	–	–	–	–	–	–	–	–	–	
31160040	FT	2,030	870	1,160	A	1,332	–	–	422	A	–	–	–	–	
31160100	FT	1,061	448	613	A	–	–	–	–	–	–	–	–	–	
31160110	FT	1,044	446	598	A	–	–	–	–	–	–	–	–	–	
31160120	FT	1,055	446	609	A	–	–	–	–	–	–	–	–	–	
31160130	FT	1,059	446	613	A	–	–	–	–	–	–	–	–	–	
31160140	FT	2,037	870	1,167	A	1,337	–	–	420	A	–	–	–	–	
31160200	FT	2,077	871	1,206	A	1,330	–	–	434	A	–	–	–	–	
31160210	FT	1,060	446	614	A	–	–	–	–	–	–	–	–	–	
31160220	FT	1,054	447	607	A	–	–	–	–	–	–	–	–	–	
31160240	FT	1,041	447	594	A	–	–	–	–	–	–	–	–	–	
31160300	FT	1,230	447	783	A	678	–	–	283	A	–	–	–	–	
31160320	FT	1,057	446	611	A	–	–	–	–	–	–	–	–	–	

Mathematics Grade 8															
			Gender			Ethnicity									
				Female			Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31160330	FT	1,037	447	590	A	–	–	–	–	–	–	–	–	–	
31160340	FT	2,039	872	1,167	A	1,320	–	–	434	A	–	–	–	–	
31160410	FT	1,050	447	603	A	–	–	–	–	–	–	–	–	–	
31160440	FT	1,225	447	778	A	671	–	–	285	A	–	–	–	–	
31160450	FT	1,061	447	614	A	–	–	–	–	–	–	–	–	–	
31160460	FT	1,055	447	608	A	–	–	–	–	–	–	–	–	–	
31160470	FT	2,081	870	1,211	A	1,311	–	–	443	A	–	–	–	–	
31160530	FT	1,060	446	614	A	–	–	–	–	–	–	–	–	–	
31160540	FT	1,040	446	594	A	–	–	–	–	–	–	–	–	–	
31160550	FT	2,039	869	1,170	A	1,311	–	–	433	A	–	–	–	–	
31160560	FT	1,057	447	610	A	–	–	–	–	–	–	–	–	–	
31160570	FT	1,203	447	756	A	675	–	–	261	A	–	–	–	–	
31160650	FT	1,053	447	606	A	–	–	–	–	–	–	–	–	–	
31160660	FT	1,041	447	594	A	–	–	–	–	–	–	–	–	–	
31160730	FT	1,052	447	605	A	–	–	–	–	–	–	–	–	–	
31160740	FT	1,040	447	593	A	–	–	–	–	–	–	–	–	–	
31160750	FT	1,035	445	590	A	–	–	–	–	–	–	–	–	–	
31160760	FT	1,057	446	611	A	–	–	–	–	–	–	–	–	–	
31160770	FT	1,048	448	600	B+	–	–	–	–	–	–	–	–	–	
31160840	FT	1,103	448	655	A	654	–	–	251	A	–	–	–	–	
31160870	FT	1,060	448	612	B-	–	–	–	–	–	–	–	–	–	
31160880	FT	1,057	448	609	A	–	–	–	–	–	–	–	–	–	
31160970	FT	1,055	445	610	A	–	–	–	–	–	–	–	–	–	
31160980	FT	1,053	447	606	A	–	–	–	–	–	–	–	–	–	
31160990	FT	1,055	447	608	A	–	–	–	–	–	–	–	–	–	
31161000	FT	1,032	446	586	A	–	–	–	–	–	–	–	–	–	
31161010	FT	1,061	448	613	A	–	–	–	–	–	–	–	–	–	
31161020	FT	1,058	447	611	A	–	–	–	–	–	–	–	–	–	
31161070	FT	1,206	447	759	A	672	–	–	269	A	–	–	–	–	
31161080	FT	2,109	872	1,237	A	1,308	–	–	450	A	–	–	–	–	
31161150	FT	1,055	448	607	A	–	–	–	–	–	–	–	–	–	
31161160	FT	1,060	447	613	A	–	–	–	–	–	–	–	–	–	

Mathematics Grade 8															
			Gender			Ethnicity									
			Male	Female		White	Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	(Reference) N	N	DIF	(Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31161170	FT	2,072	870	1,202	A	1,333	–	–	426	A	–	–	–	–	
31161180	FT	1,047	444	603	A	–	–	–	–	–	–	–	–	–	
31161290	FT	1,093	448	645	A	–	–	–	–	–	–	–	–	–	
31161300	FT	1,129	618	511	A	–	–	–	–	–	–	–	–	–	
31161310	FT	1,043	449	594	A	–	–	–	–	–	–	–	–	–	
31227830	FT	1,060	446	614	A	–	–	–	–	–	–	–	–	–	
31227870	FT	2,073	871	1,202	A	1,310	–	–	442	A	–	–	–	–	
31228140	FT	1,083	448	635	A	–	–	–	–	–	–	–	–	–	
31228440	FT	1,073	447	626	A	–	–	–	–	–	–	–	–	–	
31228520	FT	1,068	446	622	A	–	–	–	–	–	–	–	–	–	
31228630	FT	1,077	447	630	B+	–	–	–	–	–	–	–	–	–	
31228850	FT	1,144	633	511	A	–	–	–	–	–	–	–	–	–	
31229000	FT	1,042	447	595	A	–	–	–	–	–	–	–	–	–	
31229140	FT	1,042	446	596	A	–	–	–	–	–	–	–	–	–	
31229270	FT	1,041	447	594	A	–	–	–	–	–	–	–	–	–	
31229330	FT	1,073	447	626	A	–	–	–	–	–	–	–	–	–	
31229590	FT	1,047	447	600	A	–	–	–	–	–	–	–	–	–	
31229720	FT	1,042	448	594	A	–	–	–	–	–	–	–	–	–	
31229830	FT	1,053	448	605	A	–	–	–	–	–	–	–	–	–	
31229860	FT	1,172	448	724	B+	677	–	–	254	A	–	–	–	–	
31229950	FT	1,133	623	510	A	–	–	–	–	–	–	–	–	–	

Table I.13. DIF Item-Level Statistics—Science Grade 5

Science Grade 5															
			Gender			Ethnicity									
			Male	Female		White	Black		Hispanic		Asian		Two+ Races		
Item ID	Item Status	Total N	(Reference) N	N	DIF	(Reference) N	N	DIF	N	DIF	N	DIF	N	DIF	
31170080	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A	
41140860	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A	
41140890	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A	
41141060	OP	22,251	11,487	10,764	B-	14,601	1,508	A	4,151	A	590	C+	832	A	

Science Grade 5														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
41141070	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41141090	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41141240	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41141300	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41141340	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41141350	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41141440	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41141470	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41141570	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41141630	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41141640	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41141670	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	B+	832	A
41141730	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	B-	590	B-	832	A
41141750	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41141770	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41141800	OP	22,251	11,487	10,764	B-	14,601	1,508	A	4,151	A	590	B-	832	A
41141820	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41141830	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41141850	OP	22,251	11,487	10,764	B-	14,601	1,508	A	4,151	A	590	A	832	A
41141870	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41141930	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	B-
41143660	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41143690	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41143720	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41143750	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41143850	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	B+	832	A
41143990	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41144190	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41144220	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41144260	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41144270	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41144290	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A

Science Grade 5														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
41144300	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41144310	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41144320	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41144390	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41144580	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41144620	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41144640	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41144700	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41144750	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	B+	832	A
41153630	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41153640	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41153650	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41153690	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A
41155220	OP	22,251	11,487	10,764	A	14,601	1,508	A	4,151	A	590	A	832	A

Table I.14. DIF Item-Level Statistics—Science Grade 8

Science Grade 8														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
31161410	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
31161430	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
31161950	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
31162350	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
31163580	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	B-	732	A
31163950	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
31171230	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41139480	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41139540	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41139630	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41139680	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A

Science Grade 8														
			Gender			Ethnicity								
				Female			Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	Male (Reference) N	N	DIF	White (Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
41139710	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41139720	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	B-	732	A
41139750	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	B+	732	A
41139770	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41139780	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41139810	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	B-	732	A
41139820	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41139840	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41139870	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41139890	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41140220	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41140230	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41140240	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41140270	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41140460	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41140490	OP	23,190	11,870	11,320	B-	15,646	1,445	A	4,175	A	631	A	732	A
41140500	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41140510	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41140520	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41140530	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41140540	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41140550	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41140560	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41142110	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41142150	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41142180	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41142230	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41142270	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41142320	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41142460	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41142500	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41142530	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A

Science Grade 8													
			Gender			Ethnicity							
			Male	Female		White	Black		Hispanic		Asian		Two+ Races	
Item ID	Item Status	Total N	(Reference) N	N	DIF	(Reference) N	N	DIF	N	DIF	N	DIF	N	DIF
41142580	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41142600	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41142660	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41142750	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	B-	732	A
41142770	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	B+	732	A
41142840	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41142860	OP	23,190	11,870	11,320	B+	15,646	1,445	A	4,175	A	631	A	732	A
41143040	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41143050	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41143070	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41143080	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41143120	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41143140	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41143360	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41143450	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41151880	OP	23,190	11,870	11,320	A	15,646	1,445	A	4,175	A	631	A	732	A
41153680	OP	23,190	11,870	11,320	B+	15,646	1,445	A	4,175	A	631	A	732	A

Appendix J: IRT Item-Level Statistics

Table J.1. IRT Item-Level Statistics—ELA Grade 3

ELA Grade 3															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11188620	OP	1	3145	6,996	-0.9429	0.0245	0.95	-9.71	0.94	-9.74	0.20	0.06	63.5	59.3	0.0001
11188630	OP	2	1631	3,744	-0.8163	0.0333	0.96	-6.55	0.96	-6.50	0.12	-0.05	62.1	57.8	0.0002
11188640	OP	3	3790	10,341	-0.4403	0.0210	0.97	-3.80	0.97	-3.18	0.20	0.12	67.6	64.5	0.0002
11188650	OP	4	1430	2,861	-1.3070	0.0378	0.94	-9.90	0.94	-9.90	0.16	-0.08	64.7	55.6	0.0001
11188660	OP	5	3302	7,827	-0.4838	0.0233	0.95	-9.33	0.95	-9.14	0.19	0.03	65.0	59.7	0.0003
11188670	OP	6	1368	3,773	-0.0277	0.0344	0.96	-3.63	0.96	-3.13	0.15	0.03	64.3	63.7	0.0003
11188680	OP	7	480	1,399	-1.1727	0.0568	0.95	-2.79	0.94	-3.24	0.10	-0.12	65.9	65.7	-0.0001
11192020	OP	8	2207	3,641	0.3215	0.0363	0.96	-3.40	0.91	-4.73	0.34	0.28	67.2	67.1	0.0007
11192030	OP	9	149	325	-0.3719	0.1118	0.97	-2.51	0.97	-2.49	0.03	-0.16	60.9	55.0	0.0004
11192060	OP	10	420	806	-0.2893	0.0709	0.95	-6.34	0.95	-6.31	0.14	-0.11	62.4	54.8	0.0005
11192070	OP	11	566	1,249	0.3252	0.0580	0.94	-4.55	0.94	-4.66	0.21	0.06	64.8	59.6	0.0005
11192080	OP	12	48	125	0.0383	0.1846	0.94	-1.24	0.94	-1.34	0.14	-0.17	61.6	61.6	0.0004
11192100	OP	13	1404	2,568	1.0030	0.0416	0.95	-3.94	0.95	-3.47	0.28	0.19	66.2	62.7	0.0008
11192110	OP	14	527	1,012	0.3590	0.0636	0.95	-5.07	0.95	-5.10	0.13	-0.05	63.4	56.4	0.0006
11192160	OP	15	1742	3,013	-0.4388	0.0390	1.05	3.75	1.06	3.42	0.17	0.25	61.7	64.8	0.0004
11192330	OP	16	242	351	-2.4823	0.1190	0.93	-1.56	0.89	-1.95	0.27	0.13	70.7	69.7	-0.0001
21048630	OP	17	13113	23,875	-0.5194	0.0145	1.00	0.14	0.99	-1.17	0.38	0.38	68.8	69.0	0.0147
21048650	OP	18	13739	23,875	-0.6377	0.0145	0.96	-6.33	0.94	-6.64	0.41	0.38	71.1	69.5	0.0018
21048660	OP	19	14117	23,875	-0.7240	0.0146	0.97	-6.06	0.94	-7.05	0.41	0.38	71.1	69.9	0.0079
21048670	OP	20	14381	23,875	-0.7813	0.0147	1.13	9.90	1.20	9.90	0.25	0.37	65.9	70.2	0.0088
21058480	OP	21	295	1,137	-0.5059	0.0679	0.96	-1.10	0.94	-1.76	0.04	-0.16	74.1	74.1	–
21058810	OP	22	151	622	-1.0330	0.0945	0.96	-0.75	0.94	-1.09	0.07	-0.06	75.7	75.7	-0.0002
21058820	OP	23	265	739	-0.9544	0.0772	0.95	-2.14	0.94	-2.40	0.07	-0.15	64.5	64.2	–
21058850	OP	24	620	1,639	-1.0600	0.0512	0.94	-4.46	0.93	-4.82	0.12	-0.16	62.5	62.2	–
21058860	OP	25	323	974	-1.3332	0.0689	0.96	-1.74	0.95	-2.00	0.10	-0.06	67.0	66.9	-0.0002
21058870	OP	26	645	2,399	-0.7037	0.0466	0.95	-2.28	0.93	-3.04	0.15	-0.02	73.1	73.1	-0.0001
21058880	OP	27	733	2,403	-0.8846	0.0449	0.98	-1.35	0.98	-1.07	0.07	-0.02	69.6	69.5	-0.0001
21058890	OP	28	1314	4,060	-0.9689	0.0342	1.01	0.78	1.02	1.52	0.04	0.05	68.3	67.7	-0.0001
21058900	OP	29	200	670	-1.5029	0.0854	0.97	-1.00	0.95	-1.40	0.04	-0.08	70.1	70.2	-0.0003
21058910	OP	30	705	2,226	-0.6760	0.0459	0.97	-1.80	0.96	-2.17	0.05	-0.08	68.3	68.3	–

ELA Grade 3															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21058920	OP	31	1073	2,761	-1.1685	0.0397	0.96	-3.96	0.96	-3.77	0.14	0.01	65.7	61.8	-0.0001
21058930	OP	32	1289	4,060	-0.9395	0.0344	0.97	-2.66	0.96	-2.85	0.15	0.05	69.0	68.3	-0.0001
21058940	OP	33	799	2,710	-0.9113	0.0426	0.96	-2.47	0.94	-3.18	0.10	-0.05	70.6	70.5	-0.0001
21058950	OP	34	414	1,197	-1.5700	0.0616	0.94	-3.21	0.92	-3.41	0.15	-0.04	66.8	65.5	-0.0003
21059240	OP	35	252	916	-1.0201	0.0747	0.94	-1.73	0.92	-2.24	0.14	-0.08	72.5	72.5	-0.0002
21059440	OP	36	121	331	-1.3600	0.1152	0.95	-1.60	0.94	-1.77	0.10	-0.09	64.0	63.5	-0.0002
21059460	OP	37	414	1,240	-1.3189	0.0608	0.94	-2.78	0.93	-3.20	0.14	-0.08	67.2	66.6	-0.0002
21059480	OP	38	85	354	-1.3970	0.1259	0.94	-0.86	0.90	-1.34	0.14	-0.04	76.3	76.0	-0.0005
21059510	OP	39	432	1,281	-1.3350	0.0597	0.95	-2.47	0.94	-2.81	0.10	-0.07	67.0	66.3	-0.0002
21059520	OP	40	377	1,281	-1.1320	0.0619	0.94	-2.58	0.91	-3.18	0.18	-0.07	70.7	70.6	-0.0002
21059540	OP	41	578	1,125	-2.1114	0.0604	0.95	-5.82	0.95	-5.82	0.10	-0.08	63.2	56.2	-0.0002
21059550	OP	42	105	286	-1.9985	0.1246	0.93	-1.95	0.92	-2.02	0.19	-0.04	66.1	63.8	-0.0004
21059620	OP	43	95	273	-1.9565	0.1288	0.98	-0.48	0.99	-0.25	0.01	-0.06	68.9	65.5	-0.0005
21059630	OP	44	40	108	-1.7674	0.2024	0.91	-1.60	0.89	-1.70	0.24	-0.03	68.5	63.5	-0.0004
21059640	OP	45	52	178	-1.5665	0.1679	0.95	-0.70	0.95	-0.56	0.12	0.01	72.5	70.8	-0.0004
21059710	OP	46	49	102	-2.2865	0.2009	0.90	-3.16	0.89	-3.11	0.25	-0.08	69.6	57.0	-0.0004
21059770	OP	47	55	280	-1.2099	0.1517	0.97	-0.27	0.93	-0.68	0.01	-0.08	80.4	80.4	-0.0005
21060160	OP	48	73	160	-0.6011	0.1596	0.94	-3.02	0.94	-2.95	0.19	-0.13	65.0	55.4	0.0003
21060170	OP	49	37	128	0.1082	0.1960	0.96	-0.45	0.94	-0.71	0.10	-0.10	71.1	71.1	0.0003
21060200	OP	50	50	165	0.0515	0.1703	0.96	-0.56	0.95	-0.74	0.09	-0.11	69.7	69.7	0.0003
21060270	OP	51	1053	2,239	-1.6162	0.0427	0.94	-9.90	0.93	-9.90	0.14	-0.12	64.2	55.9	-0.0001
21060280	OP	52	4626	10,335	-0.7983	0.0204	0.97	-5.83	0.97	-5.73	0.21	0.13	63.2	61.0	0.0002
21060400	OP	53	159	470	-0.7416	0.1009	1.03	0.82	1.04	0.91	0.11	0.15	68.9	66.5	–
21060410	OP	54	374	885	-1.3983	0.0707	1.01	0.28	0.99	-0.26	0.15	0.15	60.1	63.6	-0.0001
21060430	OP	55	154	486	-1.2930	0.0985	0.95	-1.32	0.93	-1.70	0.11	-0.07	69.1	68.3	-0.0003
21060440	OP	56	71	263	-0.0140	0.1395	0.98	-0.37	0.96	-0.52	0.01	-0.13	73.0	73.0	0.0001
21060460	OP	57	367	894	-1.3533	0.0706	0.96	-1.71	0.96	-1.85	0.24	0.15	65.7	64.1	-0.0002
21060470	OP	58	110	455	-0.9946	0.1104	0.96	-0.61	0.94	-0.97	0.08	-0.07	75.8	75.8	-0.0003
21060480	OP	59	40	117	-0.9684	0.1965	0.95	-0.85	0.93	-1.06	0.12	-0.09	65.8	65.8	-0.0001
21060490	OP	60	149	367	-1.5346	0.1079	0.92	-3.14	0.91	-3.25	0.22	-0.03	64.0	60.5	-0.0002
21070860	OP	61	40	134	-1.3676	0.1905	0.97	-0.38	0.97	-0.34	0.05	-0.10	70.1	70.2	-0.0002
21070900	OP	62	397	910	-0.8620	0.0681	0.96	-2.93	0.96	-2.07	0.17	0.05	63.6	58.5	0.0001
21070910	OP	63	325	1,019	-0.3404	0.0690	1.00	0.05	1.02	0.72	0.12	0.12	68.9	68.9	0.0001

ELA Grade 3															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21070920	OP	64	498	1,004	-1.1651	0.0652	0.98	-1.48	0.99	-0.73	0.20	0.14	63.0	59.5	0.0001
21070960	OP	65	213	695	-0.0488	0.0834	0.96	-1.34	0.94	-1.71	0.16	0.00	70.2	69.7	0.0002
21070980	OP	66	90	233	-1.0318	0.1360	0.97	-0.78	0.97	-0.65	0.06	-0.06	62.2	61.5	0.0001
21070990	OP	67	38	134	-1.2148	0.1938	0.96	-0.48	0.94	-0.64	0.10	-0.05	72.4	71.6	-0.0002
21071110	OP	68	3466	6,343	0.1374	0.0258	0.93	-9.90	0.93	-9.90	0.24	0.08	65.5	59.2	0.0006
21071120	OP	69	1831	4,130	0.1938	0.0320	0.97	-4.94	0.96	-5.11	0.14	0.06	62.2	59.5	0.0005
21071140	OP	70	10455	23,322	0.0173	0.0146	1.06	9.90	1.11	9.90	0.31	0.37	66.8	68.5	0.0004
21071150	OP	71	12559	23,875	-0.3919	0.0144	1.10	9.90	1.12	9.90	0.29	0.38	64.0	68.7	0.0024
21071160	OP	72	18631	23,875	-1.8236	0.0170	0.87	-9.90	0.73	-9.90	0.46	0.32	81.5	79.6	0.0241
21071170	OP	73	984	2,174	-1.2613	0.0438	0.94	-7.51	0.93	-7.46	0.18	0.00	63.7	58.1	–
21071180	OP	74	13333	23,875	-0.5559	0.0145	1.01	2.41	1.02	2.20	0.37	0.38	68.6	69.2	0.0053
21071390	OP	75	194	395	-0.6139	0.1016	0.97	-2.55	0.96	-2.47	0.08	-0.05	60.3	55.5	0.0003
21071400	OP	76	124	255	-0.8504	0.1275	0.94	-2.67	0.94	-2.73	0.21	0.02	63.5	57.8	0.0003
21071420	OP	77	235	547	-0.5112	0.0881	0.96	-2.14	0.95	-1.99	0.18	0.06	66.9	58.9	0.0003
21071460	OP	78	62	118	-0.6710	0.1853	0.97	-1.23	0.97	-1.22	0.03	-0.14	57.6	54.7	0.0004
21072270	OP	79	1224	2,190	-1.3653	0.0440	0.95	-5.59	0.94	-5.39	0.19	0.08	64.7	59.7	0.0002
21072280	OP	80	9521	23,875	0.2639	0.0147	1.07	9.90	1.14	9.90	0.30	0.37	68.1	69.9	-0.0189
21072360	OP	81	1705	4,360	1.5036	0.0326	1.06	4.91	1.07	5.02	0.10	0.20	63.4	66.0	0.0007
21072380	OP	82	16601	23,875	-1.2971	0.0155	0.90	-9.90	0.81	-9.90	0.46	0.35	76.9	74.1	0.0254
21072480	OP	83	1501	2,650	-1.0882	0.0401	0.95	-5.08	0.95	-4.98	0.19	0.09	64.4	60.2	0.0003
21072500	OP	84	20143	23,875	-2.3191	0.0192	0.86	-9.90	0.66	-9.90	0.44	0.28	85.6	85.0	0.0350
21072530	OP	85	12941	23,875	-0.4721	0.0144	1.04	6.96	1.04	4.98	0.34	0.38	66.9	68.9	0.0033
21072600	OP	86	14981	23,875	-0.8904	0.0148	1.01	2.36	1.03	3.04	0.34	0.37	70.5	70.9	-0.0123
21072610	OP	87	15413	23,875	-0.9866	0.0149	0.90	-9.90	0.84	-9.90	0.45	0.37	75.2	71.5	-0.0117
21072620	OP	88	19019	23,875	-1.9319	0.0175	0.87	-9.90	0.73	-9.90	0.45	0.31	82.3	80.8	0.0180
21072630	OP	89	10953	23,875	-0.0845	0.0144	0.97	-4.59	0.99	-1.28	0.39	0.38	70.6	68.6	0.0272
21072640	OP	90	3335	6,137	-1.3901	0.0269	0.96	-5.54	0.95	-5.73	0.27	0.22	65.5	63.1	0.0001
21072650	OP	91	3260	5,719	-1.1549	0.0281	0.93	-8.06	0.92	-7.94	0.31	0.23	69.2	64.1	0.0002
21072810	OP	92	10788	18,681	-0.2578	0.0158	0.97	-6.11	0.97	-3.57	0.33	0.28	68.6	65.8	0.0005
21072820	OP	93	2683	6,435	-0.2082	0.0257	0.96	-7.53	0.95	-7.55	0.15	0.02	63.2	59.6	0.0003
21072850	OP	94	4881	7,596	-0.1256	0.0245	0.97	-4.45	0.96	-4.48	0.17	0.09	66.8	64.9	0.0006
21072860	OP	95	7164	13,171	0.2057	0.0184	0.96	-7.74	0.95	-6.77	0.28	0.21	65.3	62.9	0.0006
21072900	OP	96	3932	7,772	-0.1578	0.0237	0.97	-5.60	0.96	-5.16	0.25	0.19	64.7	61.4	0.0004

ELA Grade 3															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21072910	OP	97	9289	18,679	0.1135	0.0157	1.04	7.23	1.04	6.38	0.25	0.29	62.4	65.1	0.0005
21072940	OP	98	5075	8,857	0.4020	0.0220	0.95	-9.20	0.94	-8.42	0.21	0.09	64.7	60.1	0.0007
21072950	OP	99	2095	3,631	0.0000	0.0337	0.95	-7.92	0.95	-8.14	0.09	-0.17	60.2	57.9	0.0006
21072980	OP	100	2159	4,316	0.4602	0.0313	0.97	-4.96	0.96	-4.87	0.18	0.09	61.3	58.9	0.0006
21073010	OP	101	3798	6,852	0.3730	0.0248	1.02	3.80	1.03	5.37	0.02	0.05	58.7	58.4	0.0006
21073120	OP	102	2217	4,861	1.1821	0.0297	0.89	-9.90	0.88	-9.90	0.35	0.11	69.7	61.1	0.0007
21073130	OP	103	112	192	-0.0511	0.1469	0.97	-1.09	0.97	-1.15	-0.05	-0.22	62.0	58.5	0.0006
21073140	OP	104	2326	5,027	1.2940	0.0292	0.94	-9.25	0.93	-8.96	0.26	0.10	65.6	60.9	0.0007
21073150	OP	105	1593	9,232	2.4550	0.0285	1.08	4.26	1.13	5.90	0.02	0.14	82.4	83.0	0.0007
21078960	OP	106	62	174	-0.6947	0.1603	0.97	-0.64	0.97	-0.61	0.06	-0.03	64.9	64.4	0.0001
21079000	OP	107	1617	2,359	0.4357	0.0460	0.96	-2.45	0.95	-1.86	0.24	0.16	71.0	69.1	0.0008
21079030	OP	108	734	1,657	1.8164	0.0513	0.96	-3.11	0.95	-3.13	0.22	0.12	64.5	62.2	0.0009
21079060	OP	109	429	1,148	0.4457	0.0616	0.96	-2.15	0.96	-2.34	0.10	-0.04	63.8	62.9	0.0005
21079150	OP	110	169	419	-0.4633	0.1016	0.94	-2.24	0.94	-2.00	0.24	0.06	64.7	60.6	0.0003
21079200	OP	111	76	164	-2.6007	0.1590	0.89	-3.91	0.88	-3.86	0.21	-0.08	67.1	57.1	-0.0005
21079220	OP	112	2085	3,891	0.2883	0.0339	0.98	-2.40	0.96	-2.98	0.29	0.22	62.2	63.5	0.0006
21079240	OP	113	56	164	-2.0755	0.1669	0.92	-1.38	0.90	-1.64	0.13	-0.08	67.1	66.0	-0.0005
21079300	OP	114	8213	9,031	-1.9100	0.0370	0.98	-0.69	0.94	-1.70	0.14	0.07	90.9	90.9	0.0005
21079350	OP	115	73	157	-0.2133	0.1611	0.94	-2.82	0.94	-2.85	0.18	-0.11	61.8	55.7	0.0004
21079380	OP	116	35	110	-1.8822	0.2070	0.94	-0.78	0.93	-0.84	0.09	-0.11	69.1	68.2	-0.0005
21079390	OP	117	3147	7,097	1.1866	0.0247	0.98	-2.69	0.98	-2.84	0.17	0.11	62.3	61.9	0.0007
21079420	OP	118	2477	5,367	-0.1026	0.0276	0.97	-8.22	0.97	-8.07	0.07	-0.09	60.9	55.6	0.0004
21079430	OP	119	5971	12,125	0.5838	0.0190	0.99	-2.62	0.98	-2.90	0.22	0.18	62.4	61.8	0.0006
21079460	OP	120	2516	5,165	0.1021	0.0281	0.97	-8.78	0.97	-7.73	0.07	-0.06	61.2	55.3	0.0005
21079480	OP	121	1680	3,698	-0.6701	0.0333	0.97	-6.63	0.96	-6.70	0.07	-0.08	60.2	56.5	0.0002
21079550	OP	122	175	429	-0.8982	0.0988	0.95	-2.41	0.95	-2.52	0.09	-0.16	60.6	59.4	0.0002
21079560	OP	123	1623	4,374	0.0088	0.0316	0.99	-0.88	0.99	-1.16	0.03	-0.04	63.5	63.2	0.0003
21079590	OP	124	3348	6,650	-0.8716	0.0249	0.94	-9.90	0.94	-9.90	0.21	0.02	63.3	57.3	0.0002
21079600	OP	125	5146	10,018	-0.7031	0.0205	0.94	-9.90	0.93	-9.90	0.25	0.08	64.4	59.2	0.0003
21079610	OP	126	4403	11,065	-0.1764	0.0199	0.95	-9.25	0.94	-9.15	0.22	0.08	66.0	61.7	0.0003
21079630	OP	127	4871	11,064	-0.3586	0.0196	0.94	-9.90	0.94	-9.90	0.23	0.08	64.8	59.9	0.0003
21096410	OP	128	27497	23,875	-0.6705	0.0106	0.94	-7.37	0.94	-7.71	0.52	0.48	55.9	55.0	0.0107
21106470	OP	129	6360	11,333	0.3372	0.0197	0.97	-5.37	0.97	-4.20	0.23	0.16	64.0	61.5	0.0006

ELA Grade 3															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21106490	OP	130	109	287	-2.0277	0.1233	0.92	-2.56	0.90	-2.74	0.22	-0.06	66.9	62.7	-0.0004
21107070	OP	131	2107	3,590	-1.0957	0.0347	0.94	-6.58	0.93	-6.72	0.23	0.10	65.8	61.4	0.0003
21107440	OP	132	21312	23,875	0.0831	0.0115	1.09	9.90	1.09	9.90	0.38	0.45	58.8	60.7	-0.0101
21107620	OP	133	17855	23,875	0.2828	0.0096	1.13	9.90	1.32	9.90	0.42	0.50	50.4	53.5	-0.0111
21107660	OP	134	2075	5,125	0.3750	0.0274	1.06	3.09	1.08	3.87	0.10	0.20	60.5	64.2	0.0001
21107690	OP	135	2650	2,973	0.5533	0.0276	1.02	0.84	1.04	1.38	0.45	0.48	48.7	51.9	0.0006
21107800	OP	136	23265	23,875	-0.1878	0.0098	1.10	9.90	1.12	9.90	0.42	0.50	49.0	51.6	-0.0135
21107810	OP	137	598	1,519	2.6518	0.0397	0.99	-0.27	0.97	-0.48	0.20	0.20	66.5	67.9	0.0010
21107820	OP	138	15712	23,875	0.5942	0.0104	1.24	9.90	1.33	9.90	0.34	0.47	54.2	57.4	-0.0358
21107850	OP	139	11009	14,194	0.2489	0.0109	1.01	0.58	1.00	-0.36	0.32	0.33	40.6	41.2	0.0005
21108470	OP	140	21830	23,874	-0.0745	0.0095	1.37	9.90	1.53	9.90	0.30	0.51	41.8	51.1	0.0004
21108500	OP	141	20433	23,875	0.6824	0.0159	1.06	5.30	1.05	3.73	0.33	0.34	77.4	79.0	-0.0004
21108990	OP	142	6023	12,003	0.5319	0.0191	0.96	-8.86	0.95	-8.05	0.27	0.19	64.8	62.0	0.0006
11190270	FT	8	300	1,164	0.9094	0.0714	1.15	4.08	1.35	5.82	0.11	0.29	73.2	75.3	0.0005
11190280	FT	9	399	1,175	0.4642	0.0664	1.04	1.59	1.11	2.78	0.26	0.32	70.4	70.4	0.0005
11190290	FT	10	574	1,162	-0.3190	0.0637	0.90	-4.58	0.88	-4.47	0.46	0.34	71.2	66.6	0.0004
11190300	FT	11	246	1,157	1.1732	0.0759	1.06	1.55	1.22	3.25	0.18	0.27	78.6	79.1	0.0005
11190310	FT	12	621	1,165	-0.4846	0.0635	1.05	2.37	1.05	1.95	0.27	0.32	63.4	66.5	0.0004
11190320	FT	13	539	1,155	-0.1981	0.0639	1.18	7.47	1.21	6.93	0.14	0.33	57.4	66.5	0.0004
11190330	FT	14	1056	1,437	0.1183	0.0357	1.21	6.03	1.36	5.64	0.37	0.49	43.8	50.4	0.0004
11190340	FT	15	306	1,161	0.8468	0.0711	1.19	5.24	1.36	6.06	0.07	0.30	73.0	75.0	0.0005
11190350	FT	16	331	1,159	0.7108	0.0694	0.84	-5.57	0.74	-6.00	0.51	0.30	77.7	73.3	0.0005
11190360	FT	17	595	1,158	-0.3882	0.0637	1.02	1.10	1.03	1.21	0.32	0.33	64.9	66.6	0.0004
11190370	FT	18	436	1,159	0.2387	0.0654	0.90	-4.35	0.89	-3.35	0.45	0.32	73.8	68.6	0.0004
11190380	FT	19	733	1,442	0.7113	0.0421	1.17	4.51	1.43	7.06	0.27	0.41	51.7	59.0	0.0005
11190390	FT	20	334	1,160	0.6977	0.0694	0.84	-5.24	0.75	-5.61	0.50	0.30	77.5	73.4	0.0005
11192530	FT	30	1147	1,439	-0.0478	0.0367	1.15	4.66	1.22	4.62	0.38	0.47	44.4	48.2	0.0002
11192540	FT	31	596	1,179	-0.4364	0.0630	1.02	1.04	1.03	1.13	0.31	0.32	65.9	66.3	0.0002
11192550	FT	32	332	1,170	0.6555	0.0694	1.16	4.79	1.34	6.39	0.11	0.30	70.2	73.8	0.0002
11192560	FT	33	540	1,151	-0.2355	0.0640	1.00	0.20	1.00	0.11	0.34	0.33	66.1	66.6	0.0002
11192580	FT	34	357	1,149	0.5386	0.0683	1.07	2.20	1.18	4.05	0.22	0.30	71.5	71.9	0.0002
11192590	FT	35	7	1,159	5.0708	0.3801	1.00	0.12	0.85	-0.30	0.07	0.05	99.4	99.4	0.0002
11192600	FT	36	472	1,152	0.0443	0.0646	1.00	0.00	1.00	0.13	0.33	0.32	68.5	67.3	0.0002

ELA Grade 3															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11192610	FT	37	938	1,435	0.3153	0.0395	1.19	5.41	1.33	6.77	0.31	0.43	50.4	52.9	0.0002
11192620	FT	38	861	1,442	0.3410	0.0372	0.99	-0.40	1.00	0.05	0.49	0.47	55.5	55.6	0.0002
11192630	FT	39	270	1,147	0.9372	0.0740	1.06	1.49	1.32	4.92	0.18	0.28	79.9	77.3	0.0002
11192640	FT	40	454	1,152	0.1000	0.0654	0.99	-0.26	1.01	0.31	0.35	0.33	69.4	68.4	0.0002
11192650	FT	41	164	1,171	1.6828	0.0882	0.92	-1.36	0.83	-2.02	0.34	0.24	86.5	86.1	0.0002
11192660	FT	42	619	1,420	-0.1177	0.0580	1.20	8.80	1.26	8.74	0.12	0.33	57.5	67.2	0.0002
11195920	FT	43	1167	1,468	0.5713	0.0452	1.02	0.55	1.07	1.82	0.53	0.53	62.3	59.4	0.0005
11195960	FT	44	1472	1,458	-0.0887	0.0436	1.28	8.15	1.35	9.37	0.37	0.53	52.0	56.5	0.0004
11195980	FT	45	1564	2,478	-0.7653	0.0471	0.95	-2.60	0.92	-2.57	0.48	0.42	73.8	72.8	0.0004
11196020	FT	46	530	1,483	1.5177	0.0450	1.15	3.08	3.22	9.90	0.34	0.45	70.4	72.6	0.0004
11196030	FT	47	1433	2,572	-0.3777	0.0449	0.93	-4.14	0.91	-3.39	0.50	0.43	73.6	70.5	0.0004
11196050	FT	48	1440	1,489	-0.0469	0.0421	1.14	4.39	1.17	4.83	0.46	0.53	54.9	55.3	0.0004
11196110	FT	49	599	1,226	0.0765	0.0652	1.02	0.75	1.06	1.38	0.43	0.44	71.0	70.8	0.0004
11196160	FT	50	1933	1,473	-0.8995	0.0441	0.96	-1.25	0.92	-2.04	0.58	0.54	62.3	59.0	0.0004
11196190	FT	51	1194	1,881	-0.7258	0.0544	1.02	0.79	1.03	0.69	0.43	0.43	72.5	73.4	0.0004
11196200	FT	52	1647	1,935	0.3821	0.0407	1.14	4.55	1.17	5.45	0.41	0.50	58.9	61.6	0.0005
11196280	FT	53	1690	1,469	-0.5737	0.0485	1.07	2.19	1.07	2.12	0.44	0.49	60.2	62.7	0.0004
11196290	FT	54	996	1,387	-1.1895	0.0674	1.09	2.65	1.13	2.08	0.36	0.42	74.5	77.0	0.0004
11196300	FT	55	1640	2,475	-0.9448	0.0480	1.08	3.47	1.07	1.93	0.37	0.42	71.4	74.1	0.0004
11196340	FT	56	1341	1,463	0.1336	0.0422	1.14	4.28	1.19	4.90	0.46	0.54	51.0	55.4	0.0004
11196360	FT	57	633	1,264	0.0470	0.0643	1.03	0.96	1.03	0.83	0.43	0.44	69.6	70.6	0.0004
11196410	FT	58	775	1,245	-0.5714	0.0667	1.06	1.99	1.04	0.92	0.41	0.44	69.3	73.0	0.0004
11196430	FT	59	1577	1,898	-2.0457	0.0671	0.90	-2.71	0.79	-2.79	0.45	0.35	85.2	83.9	0.0004
11196440	FT	60	871	1,368	-0.7542	0.0645	1.06	1.92	1.07	1.40	0.41	0.45	72.5	74.1	0.0004
11196450	FT	61	861	1,315	-0.8753	0.0663	0.88	-3.90	0.84	-3.15	0.54	0.44	77.9	74.6	0.0004
11196460	FT	62	1821	2,326	-1.6772	0.0560	0.88	-3.98	0.77	-4.17	0.49	0.39	82.8	80.7	0.0004
11196510	FT	63	964	1,293	-1.3768	0.0716	0.97	-0.73	0.91	-1.23	0.44	0.40	79.1	78.4	0.0004
11196580	FT	64	1227	1,957	-0.6807	0.0527	1.23	9.10	1.35	8.91	0.24	0.42	65.0	72.6	0.0004
11196590	FT	65	1256	1,973	1.1481	0.0434	1.34	9.90	1.38	9.90	0.21	0.46	55.3	64.3	0.0005
11196920	FT	66	469	1,323	0.7829	0.0647	1.05	1.84	1.17	3.24	0.37	0.41	72.0	72.5	0.0004
11196960	FT	67	1156	1,663	0.8329	0.0434	1.29	8.59	1.40	9.90	0.31	0.50	52.1	60.8	0.0005
11196970	FT	68	383	1,365	1.1864	0.0671	1.14	4.16	1.55	7.42	0.25	0.38	74.6	75.8	0.0004
11197030	FT	69	1427	1,530	0.0677	0.0432	1.08	2.35	1.09	2.71	0.47	0.51	55.3	57.8	0.0004

ELA Grade 3															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11197050	FT	70	857	1,439	-0.5339	0.0616	0.86	-5.35	0.81	-4.62	0.57	0.45	77.6	72.6	0.0004
11197080	FT	71	1836	1,459	-0.7720	0.0445	1.01	0.17	1.00	0.01	0.53	0.52	59.0	58.1	0.0004
11197110	FT	72	456	1,404	1.0025	0.0643	1.39	9.90	2.05	9.90	0.07	0.41	65.9	74.0	0.0004
11197130	FT	73	751	1,269	-0.5339	0.0656	0.99	-0.22	0.96	-0.94	0.47	0.45	71.3	72.5	0.0004
11197170	FT	74	1076	1,275	-2.0979	0.0852	0.95	-0.98	1.12	1.07	0.39	0.36	87.2	85.3	0.0004
11197200	FT	75	712	1,321	-0.2725	0.0626	1.34	9.90	1.50	9.90	0.15	0.43	57.4	70.4	0.0004
11197230	FT	76	824	1,240	-0.9175	0.0681	1.31	8.89	1.61	9.90	0.17	0.43	66.5	74.5	0.0004
11197270	FT	77	1179	1,296	-2.9002	0.1036	0.83	-2.56	0.47	-4.26	0.44	0.29	91.3	91.0	0.0004
11197280	FT	78	851	1,266	-0.9502	0.0676	0.85	-5.24	0.76	-4.70	0.55	0.42	79.5	74.6	0.0004
11197300	FT	79	1221	1,516	-1.7911	0.0724	1.04	1.03	0.96	-0.47	0.38	0.39	80.6	82.5	0.0004
11197310	FT	80	590	1,267	0.2060	0.0635	1.07	2.94	1.13	3.10	0.37	0.42	66.4	69.6	0.0004
11216960	FT	81	831	1,234	-0.9118	0.0689	1.02	0.61	1.00	0.04	0.43	0.43	74.1	75.2	0.0004
11219140	FT	82	515	1,168	-0.1074	0.0641	1.01	0.51	1.02	0.60	0.34	0.34	66.6	67.6	0.0005
11219160	FT	83	428	1,154	0.2738	0.0659	1.13	4.83	1.19	5.07	0.18	0.33	64.9	69.0	0.0005
11219230	FT	84	773	1,154	-1.2041	0.0676	0.91	-3.33	0.87	-3.09	0.44	0.33	74.6	71.2	0.0005
11219250	FT	85	798	1,149	-1.3116	0.0690	0.85	-5.35	0.74	-6.10	0.51	0.32	75.6	72.4	0.0005
11219260	FT	86	1554	1,437	-0.5105	0.0357	1.01	0.42	1.01	0.16	0.51	0.50	48.6	48.1	0.0005
11219270	FT	87	468	1,154	0.1060	0.0650	0.95	-2.20	0.95	-1.44	0.40	0.34	71.0	68.0	0.0005
11219280	FT	88	589	1,154	-0.3951	0.0642	1.02	0.66	1.02	0.67	0.34	0.35	66.0	67.1	0.0005
11219290	FT	89	581	1,155	-0.3780	0.0641	0.85	-6.89	0.82	-6.44	0.52	0.35	74.5	67.0	0.0005
11219300	FT	90	1514	1,440	-0.4612	0.0352	0.85	-5.17	0.78	-4.89	0.61	0.51	53.1	48.6	0.0005
11219310	FT	91	429	1,150	0.2537	0.0659	1.14	5.31	1.21	5.62	0.17	0.33	64.0	69.0	0.0005
11219330	FT	92	640	1,155	-0.5960	0.0644	0.93	-3.27	0.91	-3.16	0.43	0.34	71.4	67.3	0.0005
11219340	FT	93	328	1,158	0.7074	0.0700	0.91	-2.94	0.84	-3.26	0.43	0.31	75.2	73.6	0.0005
11221260	FT	94	327	1,165	0.7566	0.0697	1.19	5.60	1.42	7.58	0.06	0.30	71.0	73.7	0.0004
11221290	FT	95	619	1,161	-0.5003	0.0639	1.01	0.64	1.03	0.94	0.33	0.34	67.0	66.9	0.0004
11221340	FT	96	550	1,160	-0.2164	0.0642	0.86	-6.30	0.83	-5.88	0.51	0.35	73.3	67.2	0.0004
11221450	FT	97	861	1,164	-1.5981	0.0718	0.81	-5.88	0.71	-5.95	0.53	0.31	79.8	75.6	0.0004
11221590	FT	98	565	1,164	-0.3060	0.0638	0.83	-8.16	0.80	-7.66	0.54	0.34	75.9	66.8	0.0004
11221660	FT	99	779	1,156	-1.2422	0.0676	0.91	-3.18	0.87	-3.32	0.43	0.32	73.9	71.1	0.0004
11221710	FT	100	706	1,159	-0.8533	0.0655	1.06	2.30	1.12	3.18	0.28	0.34	66.9	69.1	0.0004
11221930	FT	101	512	1,441	0.9373	0.0436	1.34	6.97	2.93	9.90	0.09	0.38	63.5	68.9	0.0004
11222010	FT	102	658	1,159	-0.6411	0.0643	0.96	-1.58	0.95	-1.82	0.39	0.33	68.5	67.5	0.0004

ELA Grade 3															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11222060	FT	103	547	1,163	-0.2111	0.0637	1.04	1.79	1.06	2.03	0.30	0.34	64.6	66.7	0.0004
11222410	FT	104	838	1,156	-1.4829	0.0706	0.89	-3.61	0.79	-4.43	0.45	0.30	76.2	74.3	0.0004
11222570	FT	105	644	1,157	-0.6352	0.0642	0.96	-1.60	0.95	-1.82	0.39	0.33	68.4	67.1	0.0004
11227770	FT	106	1876	1,447	-1.0340	0.0401	0.86	-4.42	0.89	-2.61	0.58	0.49	54.2	53.8	0.0004
11227780	FT	107	551	1,159	-0.3104	0.0645	1.03	1.32	1.03	1.03	0.34	0.36	65.6	67.7	0.0003
11227790	FT	108	681	1,156	-0.8404	0.0656	1.01	0.41	1.02	0.46	0.36	0.36	68.9	69.1	0.0004
11227800	FT	109	1833	1,437	-0.9305	0.0379	0.90	-3.04	0.86	-2.73	0.59	0.52	60.8	54.3	0.0004
11227810	FT	110	502	1,161	-0.0344	0.0651	0.81	-8.09	0.77	-7.12	0.56	0.37	77.1	68.4	0.0003
11227820	FT	111	443	1,164	0.1641	0.0660	0.91	-3.68	0.91	-2.36	0.45	0.36	74.9	69.5	0.0003
11227830	FT	112	399	1,156	0.3410	0.0673	0.83	-6.54	0.77	-5.97	0.53	0.34	77.0	70.7	0.0003
11227850	FT	113	62	1,154	2.8842	0.1339	0.98	-0.15	0.68	-1.93	0.24	0.17	94.6	94.6	0.0003
11227860	FT	114	1311	1,443	-0.2493	0.0375	0.93	-2.26	0.92	-2.01	0.56	0.51	48.3	49.2	0.0003
11227940	FT	115	2024	1,442	-1.1759	0.0384	0.94	-1.82	0.93	-1.12	0.51	0.47	56.9	56.1	0.0005
11227950	FT	116	1020	1,442	0.1338	0.0372	1.11	3.36	1.21	3.97	0.41	0.48	47.4	51.5	0.0003
11227970	FT	117	1062	1,450	0.1130	0.0382	1.12	3.64	1.19	4.13	0.39	0.46	45.3	50.7	0.0004
11227980	FT	118	461	1,174	0.0881	0.0647	1.00	-0.20	1.00	0.14	0.34	0.33	68.9	68.2	0.0004
11227990	FT	119	417	1,174	0.2814	0.0661	1.07	2.46	1.17	4.21	0.25	0.34	70.4	70.0	0.0004
11228000	FT	120	670	1,152	-0.7959	0.0649	0.97	-1.16	0.99	-0.37	0.37	0.34	70.1	68.0	0.0004
11228010	FT	121	575	1,156	-0.3975	0.0639	0.95	-2.28	0.94	-2.00	0.41	0.34	69.9	66.7	0.0004
11228020	FT	122	580	1,162	-0.4290	0.0638	0.99	-0.45	0.99	-0.26	0.36	0.34	67.8	66.8	0.0004
11228030	FT	123	324	1,173	0.6927	0.0699	1.06	1.93	1.23	4.23	0.22	0.30	74.8	74.2	0.0004
21109470	FT	250	228	1,156	1.2481	0.0786	0.84	-3.73	0.72	-4.39	0.47	0.29	82.5	80.7	0.0005
21109480	FT	251	228	1,156	1.2481	0.0786	0.89	-2.58	0.79	-3.11	0.42	0.29	82.0	80.7	0.0005
21109490	FT	252	386	1,156	0.4248	0.0676	0.99	-0.25	1.07	1.73	0.33	0.33	73.7	71.3	0.0004
21109500	FT	253	489	1,156	-0.0245	0.0649	1.02	0.72	1.03	1.02	0.33	0.35	68.3	68.0	0.0004

Table J.2. IRT Item-Level Statistics—ELA Grade 4

ELA Grade 4															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11191980	OP	1	2942	7,184	0.8154	0.0246	1.02	2.84	1.02	2.48	0.09	0.12	60.8	62.0	0.0004
11191990	OP	2	350	1,173	-0.3046	0.0645	0.97	-1.23	0.95	-1.69	0.09	-0.04	70.2	70.3	–
21048510	OP	3	5980	11,531	0.0735	0.0206	1.07	9.16	1.07	6.14	0.30	0.37	64.1	68.2	-0.0345
21048520	OP	4	11174	23,872	0.3136	0.0143	1.02	4.51	1.05	6.07	0.33	0.36	66.8	67.6	-0.0002
21048530	OP	5	9046	11,531	-1.3914	0.0243	0.92	-6.65	0.83	-7.60	0.38	0.31	80.7	79.2	-0.0358
21048560	OP	6	13792	23,872	-0.2257	0.0144	0.97	-4.92	0.96	-5.01	0.38	0.35	69.9	68.5	0.0063
21048580	OP	7	4052	10,181	0.3709	0.0214	1.03	4.83	1.07	7.14	0.21	0.25	64.4	65.1	0.0003
21048600	OP	8	1114	2,158	1.4895	0.0440	0.93	-8.85	0.92	-7.88	0.24	0.00	66.1	58.1	0.0005
21048610	OP	9	13538	23,872	-0.1778	0.0143	1.01	2.66	1.03	3.25	0.34	0.35	67.9	68.3	0.0107
21056250	OP	10	30	119	-0.1174	0.2122	0.97	-0.21	0.96	-0.31	0.01	-0.14	74.8	74.8	–
21056260	OP	11	42	139	-0.8459	0.1860	1.01	0.20	1.02	0.23	-0.18	-0.14	69.8	69.8	-0.0001
21056280	OP	12	78	206	-0.7710	0.1450	0.93	-1.80	0.92	-1.99	0.16	-0.09	62.1	62.3	–
21056300	OP	13	209	538	-1.0561	0.0897	0.96	-1.93	0.94	-2.17	0.10	-0.03	62.6	61.8	-0.0001
21056340	OP	14	89	302	-0.5205	0.1274	0.96	-0.81	0.95	-0.92	0.08	-0.06	70.9	70.5	-0.0001
21056380	OP	15	56	165	-1.0041	0.1660	0.98	-0.30	0.98	-0.39	-0.05	-0.09	66.7	66.2	-0.0002
21056390	OP	16	193	585	-0.7627	0.0891	0.96	-1.32	0.94	-1.73	0.13	-0.02	68.0	67.1	-0.0001
21056420	OP	17	170	541	-0.7142	0.0938	0.94	-1.63	0.93	-1.85	0.16	-0.02	69.7	68.6	-0.0001
21056440	OP	18	548	1,034	-1.2672	0.0646	0.95	-3.41	0.94	-3.53	0.27	0.15	64.9	61.0	–
21056450	OP	19	706	1,336	-1.2639	0.0563	0.96	-3.41	0.96	-3.18	0.20	0.09	64.6	59.3	–
21056460	OP	20	167	754	0.9295	0.0879	0.97	-0.63	0.95	-1.10	0.06	-0.16	77.9	77.8	0.0003
21056470	OP	21	389	1,313	0.0506	0.0607	0.97	-1.12	0.96	-1.46	0.02	-0.14	70.4	70.4	0.0002
21056590	OP	22	888	2,589	-0.0052	0.0419	0.97	-2.29	0.96	-2.27	0.11	-0.01	66.0	65.7	0.0002
21056600	OP	23	964	3,218	0.0790	0.0392	1.01	0.50	1.03	1.45	0.06	0.06	70.3	70.1	0.0002
21056610	OP	24	511	1,496	-0.4250	0.0552	0.96	-2.22	0.96	-2.21	0.13	-0.02	66.1	65.9	0.0001
21056620	OP	25	418	952	-0.6802	0.0658	0.95	-5.02	0.95	-4.87	0.13	-0.12	64.1	56.7	0.0002
21056630	OP	26	314	1,225	0.6534	0.0656	0.97	-0.86	0.96	-1.34	0.01	-0.17	74.4	74.4	0.0003
21056640	OP	27	93	379	-0.3576	0.1206	0.96	-0.59	0.94	-0.91	0.11	-0.03	75.5	75.5	-0.0001
21057220	OP	28	48	148	-0.9098	0.1779	1.02	0.35	1.04	0.61	-0.10	-0.03	68.9	67.6	-0.0001
21057230	OP	29	70	224	-1.1471	0.1470	0.97	-0.49	0.93	-1.01	0.11	0.04	68.8	69.1	-0.0002
21057290	OP	30	125	296	-1.5231	0.1205	1.00	-0.16	0.99	-0.38	0.05	0.05	60.5	60.3	-0.0002
21057300	OP	31	91	259	-1.1517	0.1325	1.00	-0.05	0.99	-0.10	0.01	0.02	63.7	65.3	-0.0002
21057310	OP	32	81	186	-1.4143	0.1502	1.00	0.09	1.01	0.24	-0.05	-0.02	62.9	58.5	-0.0002

ELA Grade 4															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21057340	OP	33	82	202	-1.5868	0.1465	0.95	-1.36	0.95	-1.03	0.12	0.04	68.3	61.3	-0.0002
21057390	OP	34	95	288	-0.7333	0.1280	1.02	0.52	1.02	0.38	0.03	0.04	68.1	67.8	-0.0002
21057400	OP	35	223	508	-0.8249	0.0925	1.03	1.44	1.04	1.35	0.10	0.15	60.0	60.2	–
21057410	OP	36	376	810	-0.6405	0.0714	0.95	-3.93	0.95	-3.64	0.17	-0.01	63.7	56.7	–
21057420	OP	37	60	185	-1.0186	0.1585	0.94	-1.04	0.92	-1.32	0.20	-0.08	67.0	67.6	-0.0003
21057440	OP	38	46	162	-0.5703	0.1756	0.96	-0.49	0.94	-0.75	0.10	-0.09	71.6	71.8	-0.0003
21057450	OP	39	200	780	0.3410	0.0827	0.97	-0.84	0.95	-1.13	0.09	-0.02	74.4	74.4	0.0001
21057480	OP	40	254	688	-0.1521	0.0795	0.98	-0.92	0.98	-0.72	0.00	-0.09	63.1	63.1	0.0001
21057490	OP	41	477	1,094	0.3565	0.0613	0.96	-3.77	0.96	-3.87	0.05	-0.13	59.7	57.0	0.0003
21057520	OP	42	517	1,205	0.3583	0.0585	0.96	-4.05	0.96	-4.22	0.09	-0.11	59.3	57.6	0.0003
21057540	OP	43	235	780	0.1136	0.0787	0.99	-0.21	1.01	0.37	0.02	-0.02	70.0	69.9	0.0001
21057550	OP	44	75	242	-0.7995	0.1401	0.95	-0.89	0.93	-1.14	0.12	-0.08	69.0	69.0	-0.0003
21057570	OP	45	85	253	-0.7458	0.1353	1.02	0.39	1.02	0.37	-0.01	0.01	66.4	66.9	-0.0003
21057590	OP	46	303	1,227	-0.3284	0.0668	0.97	-1.03	0.95	-1.52	0.08	-0.05	75.3	75.3	-0.0002
21057600	OP	47	215	850	-0.4164	0.0795	0.98	-0.51	0.97	-0.61	0.02	-0.06	74.7	74.7	-0.0002
21057620	OP	48	353	835	-1.1115	0.0708	0.97	-2.34	0.96	-2.48	0.06	-0.06	61.4	58.7	-0.0002
21057630	OP	49	616	1,144	-1.6771	0.0602	0.93	-6.50	0.93	-6.46	0.21	-0.02	65.2	57.6	-0.0002
21057640	OP	50	502	1,425	-0.8983	0.0562	0.96	-2.04	0.96	-2.09	0.10	-0.01	65.7	64.9	-0.0002
21057650	OP	51	243	637	-0.8751	0.0822	0.96	-1.72	0.96	-1.86	0.08	-0.10	62.3	62.0	-0.0002
21057670	OP	52	133	420	-1.0814	0.1059	0.95	-1.30	0.93	-1.54	0.10	-0.07	68.6	68.3	-0.0003
21057830	OP	53	81	207	0.2705	0.1432	0.94	-1.93	0.93	-2.05	0.22	-0.07	62.8	61.0	0.0003
21057870	OP	54	575	1,222	0.1697	0.0577	0.96	-5.32	0.96	-5.30	0.08	-0.09	61.4	55.1	0.0003
21057920	OP	55	162	396	0.2553	0.1027	0.95	-2.56	0.94	-2.66	0.14	-0.13	62.4	59.3	0.0004
21057960	OP	56	332	1,254	1.0850	0.0643	0.96	-1.36	0.94	-1.99	0.11	-0.08	73.5	73.5	0.0003
21057970	OP	57	199	396	-0.1265	0.1010	0.95	-5.42	0.94	-5.40	0.14	-0.13	65.7	54.1	0.0004
21058000	OP	58	119	396	0.7372	0.1101	0.95	-1.10	0.94	-1.43	0.14	-0.12	69.9	69.9	0.0004
21058060	OP	59	193	381	-0.8695	0.1041	0.94	-3.95	0.94	-2.95	0.23	0.02	70.6	56.1	–
21058070	OP	60	141	344	-0.3844	0.1102	0.94	-2.56	0.94	-2.68	0.17	-0.13	61.9	59.2	–
21058080	OP	61	68	173	-1.4318	0.1583	0.90	-2.53	0.88	-2.56	0.30	-0.01	67.1	61.6	-0.0002
21058100	OP	62	130	348	-0.2427	0.1114	0.96	-1.35	0.96	-1.45	0.06	-0.12	63.2	62.7	–
21058110	OP	63	205	396	-0.1877	0.1011	0.96	-4.16	0.96	-4.10	0.08	-0.13	64.6	54.3	0.0004
21058120	OP	64	53	160	-1.1953	0.1703	0.97	-0.41	0.97	-0.47	0.05	-0.03	68.1	66.9	-0.0002
21058130	OP	65	65	174	-1.3426	0.1593	0.95	-1.03	0.94	-1.08	0.14	0.00	63.2	63.2	-0.0002

ELA Grade 4															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21058170	OP	66	79	204	-0.9860	0.1449	0.97	-0.97	0.96	-0.98	0.08	-0.10	63.2	61.4	-0.0002
21058220	OP	67	299	771	-0.8520	0.0749	0.96	-1.90	0.96	-1.93	0.13	0.00	65.1	61.5	-0.0001
21058230	OP	68	208	527	-0.7244	0.0896	0.95	-2.64	0.94	-2.82	0.13	-0.13	62.6	60.6	-0.0001
21058260	OP	69	197	558	-0.5486	0.0891	0.96	-1.60	0.95	-1.88	0.08	-0.13	64.9	64.7	-0.0001
21058270	OP	70	67	228	-0.8270	0.1468	0.94	-0.96	0.92	-1.21	0.18	-0.03	71.1	70.6	-0.0003
21058280	OP	71	316	771	-0.9462	0.0743	0.98	-0.94	0.99	-0.69	0.06	0.00	62.9	59.7	-0.0001
21058290	OP	72	60	220	-0.7540	0.1526	0.94	-0.82	0.91	-1.20	0.18	-0.06	72.7	72.7	-0.0003
21058400	OP	73	1176	2,162	-0.9696	0.0438	0.92	-9.39	0.92	-9.14	0.26	0.01	64.7	58.1	0.0002
21058410	OP	74	401	913	0.1763	0.0669	0.96	-4.37	0.96	-4.49	0.05	-0.20	58.8	56.3	0.0004
21058430	OP	75	1116	2,326	-0.6610	0.0420	0.94	-8.96	0.94	-8.22	0.18	-0.02	63.8	56.2	0.0002
21058440	OP	76	254	666	-0.2383	0.0802	0.94	-3.14	0.93	-3.40	0.19	-0.14	62.8	61.9	0.0002
21058450	OP	77	797	1,492	-0.9646	0.0528	0.93	-7.71	0.93	-6.99	0.26	0.02	65.4	57.9	0.0002
21058460	OP	78	1138	2,439	-0.6336	0.0412	0.94	-9.45	0.94	-7.86	0.21	-0.01	67.1	56.8	0.0002
21058470	OP	79	289	914	0.7061	0.0713	0.97	-1.30	0.96	-1.66	0.01	-0.19	68.4	68.4	0.0004
21058510	OP	80	33	106	0.4016	0.2103	0.95	-0.56	0.94	-0.73	0.19	-0.21	68.9	68.9	0.0002
21058520	OP	81	387	917	0.2454	0.0671	0.95	-4.41	0.95	-4.58	0.11	-0.20	59.0	57.8	0.0004
21058540	OP	82	458	917	-0.0686	0.0662	0.95	-9.79	0.95	-9.78	0.11	-0.20	67.0	53.1	0.0004
21058690	OP	83	534	1,661	0.1157	0.0529	0.97	-1.44	0.97	-1.71	0.06	-0.07	67.9	67.8	0.0002
21058700	OP	84	142	245	-0.8649	0.1299	0.94	-2.55	0.94	-2.62	0.17	-0.19	61.2	58.1	0.0002
21058710	OP	85	68	191	-0.7018	0.1525	0.94	-1.29	0.93	-1.42	0.12	-0.07	66.5	64.5	–
21058720	OP	86	164	387	-0.8352	0.1037	0.95	-2.41	0.95	-2.39	0.09	-0.11	62.5	58.0	–
21058730	OP	87	58	120	-0.3128	0.1836	0.95	-2.47	0.95	-2.49	0.05	-0.14	65.0	54.5	0.0003
21058770	OP	88	58	113	-0.4599	0.1891	0.95	-2.77	0.95	-2.75	0.14	-0.14	64.6	54.1	0.0003
21058780	OP	89	57	136	-0.0455	0.1747	0.95	-1.44	0.95	-1.49	0.09	-0.14	61.0	58.3	0.0003
21071610	OP	90	1888	3,561	0.3004	0.0357	0.98	-2.00	0.97	-2.23	0.28	0.26	65.5	64.5	0.0008
21071620	OP	91	7919	11,531	-0.8028	0.0219	0.99	-1.16	0.99	-0.71	0.33	0.35	73.4	73.0	-0.0232
21071630	OP	92	3695	11,531	1.0321	0.0219	1.11	9.90	1.25	9.90	0.21	0.35	70.7	72.8	0.0150
21071640	OP	93	7765	11,531	-0.7116	0.0217	0.95	-5.88	0.93	-4.74	0.37	0.35	74.7	72.2	-0.0408
21071670	OP	94	1306	2,439	-0.9789	0.0429	0.94	-4.62	0.92	-5.02	0.31	0.24	67.4	63.6	0.0001
21071680	OP	95	1645	4,099	0.3788	0.0330	0.97	-3.41	0.97	-2.94	0.19	0.15	66.3	63.6	0.0005
21071730	OP	96	2077	3,631	0.7746	0.0353	0.90	-9.18	0.88	-8.77	0.35	0.22	68.7	63.8	0.0010
21071790	OP	97	1662	3,311	0.4510	0.0353	0.98	-4.22	0.97	-4.31	0.08	0.00	58.7	56.9	0.0009
21071810	OP	98	1687	1,959	-0.7100	0.0660	0.99	-0.18	0.97	-0.58	0.08	0.03	86.1	86.1	0.0011

ELA Grade 4															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21071820	OP	99	3130	5,019	0.2206	0.0299	0.97	-3.68	0.96	-3.79	0.18	0.10	65.6	63.5	0.0010
21071830	OP	100	384	683	-0.1458	0.0776	0.94	-5.22	0.93	-5.24	0.10	-0.11	61.5	56.9	0.0006
21071840	OP	101	2282	4,399	0.8314	0.0318	0.99	-1.07	0.99	-0.73	0.23	0.23	63.0	63.1	0.0010
21071850	OP	102	8284	15,644	0.4872	0.0170	1.04	7.20	1.04	5.63	0.19	0.25	60.9	63.8	0.0006
21071860	OP	103	3286	4,989	0.3481	0.0308	0.96	-3.50	0.95	-3.09	0.23	0.15	69.1	66.4	0.0011
21071880	OP	104	14065	23,873	-0.3060	0.0145	1.02	4.10	1.01	1.79	0.33	0.35	67.7	68.9	0.0300
21071890	OP	105	16105	23,873	-0.7309	0.0151	0.99	-1.24	1.01	1.22	0.34	0.34	73.1	72.4	0.0137
21071910	OP	106	1223	2,391	0.5880	0.0414	0.95	-8.01	0.95	-5.81	0.14	-0.01	62.4	55.9	0.0010
21071920	OP	107	13615	23,873	-0.1947	0.0144	1.10	9.90	1.12	9.90	0.25	0.35	63.7	68.3	0.0119
21071930	OP	108	2086	3,942	1.0938	0.0330	0.99	-1.47	0.99	-1.23	0.17	0.14	61.1	60.4	0.0011
21071940	OP	109	14972	23,873	-0.4919	0.0147	0.94	-9.90	0.91	-9.74	0.41	0.35	73.0	70.2	0.0244
21071950	OP	110	4779	10,439	0.3057	0.0206	0.98	-2.84	0.98	-2.74	0.25	0.21	63.5	62.9	0.0003
21071960	OP	111	233	419	-1.7319	0.1006	0.94	-2.78	0.93	-2.84	0.20	0.06	63.2	59.8	-0.0001
21071970	OP	112	5925	10,531	-0.3159	0.0209	0.93	-9.90	0.91	-9.90	0.38	0.28	68.5	65.7	0.0003
21071980	OP	113	1534	3,926	-0.3119	0.0333	0.96	-4.12	0.96	-3.84	0.14	0.04	65.1	61.8	0.0002
21071990	OP	114	3573	5,084	-0.0346	0.0315	0.95	-3.99	0.92	-4.71	0.25	0.13	71.2	70.4	0.0010
21072000	OP	115	1220	2,823	1.2859	0.0389	0.93	-7.43	0.92	-7.37	0.27	0.09	65.1	60.4	0.0011
21072020	OP	116	5025	7,763	0.2624	0.0248	0.92	-9.69	0.88	-9.48	0.35	0.20	70.3	66.4	0.0004
21072090	OP	117	3710	5,570	-0.1321	0.0289	0.95	-4.66	0.94	-5.49	0.20	0.08	67.4	66.8	0.0004
21072100	OP	118	3265	5,550	0.8005	0.0284	0.98	-2.90	0.97	-2.79	0.23	0.17	65.3	63.0	0.0005
21072660	OP	119	10991	23,872	0.3483	0.0143	1.05	9.37	1.09	9.90	0.30	0.36	66.2	67.7	0.0023
21072670	OP	120	14367	23,873	-0.3589	0.0145	0.90	-9.90	0.84	-9.90	0.46	0.35	72.6	69.3	0.0198
21072700	OP	121	7753	23,872	1.0471	0.0151	1.09	9.90	1.24	9.90	0.23	0.34	70.8	72.3	-0.0084
21072730	OP	122	15882	23,873	-0.6874	0.0150	0.89	-9.90	0.84	-9.90	0.46	0.34	75.7	71.9	0.0206
21072740	OP	123	14244	23,873	-0.3363	0.0145	0.95	-9.24	0.93	-8.72	0.41	0.35	71.1	69.1	0.0230
21072780	OP	124	9836	12,342	-1.4015	0.0238	0.92	-6.26	0.84	-7.50	0.36	0.29	81.1	80.2	-0.0175
21072800	OP	125	9908	12,342	-1.3906	0.0237	0.80	-9.90	0.64	-9.90	0.47	0.29	83.1	80.1	-0.0710
21072830	OP	126	7358	12,342	-0.2671	0.0200	0.95	-6.17	0.94	-5.91	0.38	0.34	70.1	68.3	-0.0113
21072840	OP	127	6713	12,342	-0.0471	0.0197	1.01	0.95	1.01	0.97	0.33	0.34	66.9	67.2	0.0223
21072870	OP	128	549	966	-1.0499	0.0677	0.90	-5.32	0.88	-5.41	0.34	0.18	68.2	62.9	0.0001
21072880	OP	129	8434	12,342	-0.7094	0.0209	0.92	-9.39	0.85	-9.90	0.41	0.33	74.2	72.2	-0.0173
21073160	OP	130	3476	7,071	1.0299	0.0250	1.00	-0.36	0.99	-1.18	0.22	0.20	62.5	62.7	0.0005
21073190	OP	131	1516	2,834	0.3771	0.0382	0.96	-6.13	0.96	-5.76	0.15	0.01	61.5	56.9	0.0009

ELA Grade 4															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21073200	OP	132	1207	2,500	1.3999	0.0408	0.97	-4.28	0.96	-4.37	0.13	0.03	60.5	58.0	0.0011
21073210	OP	133	1985	2,776	-0.2448	0.0431	0.93	-3.72	0.89	-4.64	0.28	0.12	72.2	71.6	0.0010
21073240	OP	134	3273	5,048	0.1003	0.0302	0.92	-8.35	0.90	-8.64	0.29	0.11	69.5	65.5	0.0010
21073290	OP	135	4795	8,845	0.0634	0.0222	0.98	-3.98	0.97	-4.72	0.24	0.19	62.2	62.0	0.0004
21073320	OP	136	1456	1,803	-0.2326	0.0639	0.92	-2.05	0.88	-2.34	0.40	0.30	82.9	81.1	0.0005
21073340	OP	137	1238	2,851	1.6846	0.0391	1.03	2.73	1.04	2.92	0.09	0.13	60.0	62.2	0.0011
21073380	OP	138	485	1,014	0.5226	0.0632	0.96	-6.08	0.96	-6.09	0.05	-0.13	62.3	54.4	0.0009
21073400	OP	139	1399	3,021	-0.2449	0.0370	0.96	-5.78	0.96	-5.81	0.13	0.01	61.1	57.4	0.0003
21073420	OP	140	844	1,986	-0.0169	0.0467	0.97	-2.24	0.99	-0.51	0.18	0.12	65.4	60.4	0.0004
21073470	OP	141	87	125	-0.4726	0.1989	0.91	-1.10	0.89	-1.13	0.30	0.11	72.0	69.7	0.0008
21073500	OP	142	2486	6,463	0.9435	0.0264	0.96	-4.85	0.96	-3.67	0.23	0.15	67.3	63.5	0.0004
21073530	OP	143	445	879	0.0291	0.0680	0.94	-6.72	0.94	-6.73	0.15	-0.06	63.0	55.2	0.0004
21078030	OP	144	74	207	-0.9898	0.1462	0.96	-0.97	0.95	-1.09	0.09	-0.10	65.2	64.3	-0.0003
21078230	OP	145	67	249	-0.8491	0.1441	0.95	-0.75	0.92	-1.05	0.09	-0.07	73.1	73.1	-0.0003
21078250	OP	146	1068	1,611	0.9291	0.0550	0.95	-2.26	0.97	-1.14	0.26	0.19	69.2	68.9	0.0005
21078260	OP	147	718	1,428	-1.2442	0.0535	0.96	-5.75	0.95	-5.67	0.12	-0.04	62.5	56.1	-0.0001
21078440	OP	148	9073	17,340	0.3094	0.0163	1.13	9.90	1.19	9.90	0.11	0.29	57.8	64.8	0.0005
21078470	OP	149	271	322	0.6015	0.1548	0.96	-0.33	0.97	-0.20	0.14	0.02	84.2	84.2	0.0010
21078480	OP	150	60	166	0.0642	0.1623	0.96	-0.78	0.96	-0.85	0.06	-0.13	65.1	63.9	0.0002
21078520	OP	151	267	281	-1.5286	0.3487	1.35	1.22	1.24	0.66	0.42	0.57	95.0	96.6	0.0007
21078530	OP	152	267	272	-3.0888	0.5141	0.76	-0.70	0.05	-1.94	0.60	0.44	98.2	98.2	0.0004
21078580	OP	153	134	240	-0.3226	0.1468	1.02	0.46	1.05	0.42	0.41	0.42	69.2	66.7	0.0003
21078590	OP	154	59	166	0.0906	0.1629	0.95	-1.01	0.94	-1.11	0.15	-0.13	65.7	64.5	0.0002
21078600	OP	155	149	430	-1.0521	0.1028	0.95	-1.36	0.94	-1.54	0.13	0.00	67.2	65.9	-0.0003
21078630	OP	156	146	392	-1.2287	0.1056	0.95	-1.88	0.94	-2.02	0.13	-0.05	64.5	62.9	-0.0003
21078650	OP	157	76	273	-0.7402	0.1361	0.97	-0.43	0.96	-0.66	0.04	-0.07	72.2	72.2	-0.0003
21078670	OP	158	817	1,440	1.4370	0.0543	0.95	-4.57	0.94	-4.11	0.17	0.02	63.8	59.4	0.0005
21078680	OP	159	736	2,023	-0.4231	0.0469	0.93	-5.42	0.91	-5.91	0.24	0.01	65.6	63.9	–
21078700	OP	160	1091	1,450	0.5478	0.0620	0.98	-0.73	0.96	-1.10	0.11	0.05	75.2	75.5	0.0005
21078710	OP	161	1049	3,038	-0.5166	0.0389	0.95	-4.27	0.93	-4.39	0.19	0.05	67.3	65.7	-0.0001
21078740	OP	162	141	434	-0.9529	0.1039	0.95	-1.46	0.94	-1.53	0.15	-0.01	69.6	67.9	-0.0003
21078750	OP	163	2384	4,468	-0.5558	0.0355	0.86	-9.49	0.76	-9.51	0.59	0.50	77.6	72.9	–
21078780	OP	164	230	612	-0.4502	0.0852	0.97	-1.30	0.96	-1.29	0.12	0.07	66.5	63.4	–

ELA Grade 4															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21078790	OP	165	209	588	-0.2035	0.0872	0.95	-1.70	0.95	-1.88	0.16	-0.01	66.8	64.8	0.0001
21078810	OP	166	45	105	0.1160	0.1985	1.01	0.17	1.01	0.19	-0.14	-0.12	61.9	57.9	0.0003
21078830	OP	167	584	941	-1.7262	0.0695	0.90	-4.77	0.87	-5.05	0.33	0.14	69.2	64.6	–
21078840	OP	168	67	178	0.1137	0.1563	1.00	0.04	1.00	0.03	-0.02	-0.04	62.9	62.7	0.0002
21078860	OP	169	627	1,546	-0.2084	0.0526	0.97	-2.76	0.96	-2.47	0.12	0.01	62.8	60.3	0.0003
21078870	OP	170	2864	4,550	-0.7589	0.0312	0.99	-0.55	1.00	-0.31	0.06	0.02	64.4	63.5	0.0003
21078880	OP	171	322	707	-0.7460	0.0761	0.96	-3.23	0.96	-3.26	0.05	-0.09	59.7	56.3	–
21078910	OP	172	324	722	-0.7261	0.0754	0.95	-4.29	0.95	-4.38	0.12	-0.09	60.2	56.7	–
21078930	OP	173	182	375	-0.9695	0.1056	0.96	-2.05	0.95	-1.97	0.20	0.05	63.2	58.3	0.0001
21078940	OP	174	35	100	-0.9975	0.2116	0.90	-1.50	0.89	-1.63	0.30	-0.07	66.0	65.0	-0.0002
21078950	OP	175	121	266	-0.8282	0.1239	0.96	-2.29	0.96	-2.31	0.07	-0.13	62.8	55.9	–
21078970	OP	176	373	758	-0.8964	0.0777	0.99	-0.45	1.11	2.07	0.30	0.29	66.1	62.5	–
21078980	OP	177	1967	5,724	0.5847	0.0284	1.01	0.76	1.01	1.17	0.06	0.06	66.0	66.4	0.0005
21078990	OP	178	1008	2,651	0.6114	0.0408	0.96	-3.62	0.95	-3.84	0.17	0.05	65.7	63.6	0.0006
21079010	OP	179	206	526	1.0910	0.0911	0.99	-0.48	0.99	-0.52	0.12	0.06	64.1	63.0	0.0009
21079020	OP	180	1301	3,406	0.6288	0.0358	0.95	-4.58	0.95	-4.94	0.17	0.03	64.9	63.1	0.0005
21079040	OP	181	2914	5,465	-0.9192	0.0280	0.95	-7.42	0.94	-7.26	0.22	0.13	63.4	60.5	0.0001
21079050	OP	182	3251	5,682	-0.2404	0.0274	0.88	-9.90	0.87	-9.90	0.36	0.09	69.3	60.3	0.0004
21079070	OP	183	1820	2,908	-0.6031	0.0471	1.03	1.37	1.08	1.93	0.53	0.55	76.0	77.5	0.0001
21079080	OP	184	2158	3,808	-0.0365	0.0333	0.97	-4.68	0.97	-4.08	0.13	0.05	61.7	59.0	0.0005
21079110	OP	185	169	468	-0.4605	0.0969	0.94	-2.14	0.93	-2.36	0.16	-0.11	64.3	63.9	–
21079140	OP	186	50	183	-0.1292	0.1667	0.94	-0.78	0.92	-1.08	0.15	-0.11	72.7	72.7	–
21079160	OP	187	804	1,559	1.6564	0.0520	0.95	-4.97	0.94	-4.70	0.18	0.05	63.6	58.7	0.0005
21079180	OP	188	1197	1,580	0.4922	0.0603	0.96	-1.33	0.94	-1.69	0.21	0.11	76.3	76.5	0.0005
21079230	OP	189	1572	2,698	-0.5863	0.0414	0.99	-0.62	0.99	-0.76	0.25	0.25	66.4	65.1	0.0004
21079260	OP	190	1455	3,948	1.4992	0.0354	1.09	6.74	1.17	8.58	0.14	0.28	66.6	68.6	0.0010
21079270	OP	191	9450	11,531	-1.6316	0.0256	0.90	-6.87	0.85	-5.79	0.35	0.30	83.2	81.9	-0.0522
21079310	OP	192	295	809	-0.3082	0.0738	0.95	-2.29	0.94	-2.56	0.14	-0.03	65.8	64.0	0.0001
21079360	OP	193	201	524	-0.2151	0.0912	1.00	-0.03	1.00	-0.12	0.05	0.03	61.6	62.8	0.0001
21079400	OP	194	1243	2,669	0.0391	0.0410	1.01	1.05	1.02	1.14	0.20	0.24	63.6	63.8	0.0005
21079450	OP	195	2479	6,715	1.2372	0.0272	1.10	9.27	1.14	9.18	0.17	0.30	64.9	68.9	0.0009
21079500	OP	196	91	259	-0.0768	0.1303	0.96	-1.14	0.95	-1.34	0.08	-0.28	64.9	64.9	0.0003
21079510	OP	197	2030	5,389	1.1379	0.0286	0.95	-6.05	0.94	-6.45	0.20	0.05	66.2	63.1	0.0004

ELA Grade 4															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21079530	OP	198	1210	2,632	-0.1013	0.0393	0.98	-5.11	0.97	-5.19	-0.02	-0.15	57.9	55.1	0.0003
21079570	OP	199	1480	3,254	0.6715	0.0365	1.02	2.55	1.03	2.46	0.11	0.16	59.6	61.4	0.0009
21079620	OP	200	442	1,136	-0.0872	0.0611	0.95	-3.92	0.94	-4.23	0.16	-0.17	61.7	61.1	0.0003
21079640	OP	201	5665	9,001	-0.3079	0.0225	0.96	-5.26	0.95	-5.34	0.25	0.16	67.5	64.6	0.0004
21079650	OP	202	1830	3,684	0.0276	0.0334	0.97	-5.44	0.97	-5.50	0.12	0.01	59.6	56.6	0.0004
21079680	OP	203	789	2,009	0.0318	0.0459	0.95	-5.18	0.94	-5.50	0.14	-0.13	62.1	60.8	0.0003
21079690	OP	204	58	131	-0.1737	0.1935	0.91	-1.12	0.89	-1.30	0.46	0.35	71.0	70.1	0.0002
21079710	OP	205	471	1,316	-0.6634	0.0581	0.93	-4.05	0.92	-4.44	0.21	-0.05	65.5	64.4	-0.0001
21095830	OP	206	86	140	-0.4408	0.1744	0.96	-1.05	0.95	-1.17	0.06	-0.16	61.4	61.4	0.0004
21095850	OP	207	55	140	0.4677	0.1738	0.95	-1.25	0.95	-1.29	0.11	-0.16	62.1	60.8	0.0004
21095880	OP	208	84	140	-0.3804	0.1732	0.96	-1.08	0.96	-1.15	0.10	-0.16	61.4	60.0	0.0004
21095970	OP	209	68	140	0.0862	0.1698	0.98	-1.27	0.98	-1.26	-0.07	-0.17	57.1	54.0	0.0004
21096390	OP	210	2434	2,852	0.2232	0.0361	1.32	9.90	1.31	9.90	0.48	0.62	55.8	57.2	0.0002
21096400	OP	211	11927	11,424	0.2145	0.0136	1.22	9.90	1.26	9.90	0.25	0.41	42.3	47.2	0.0003
21106440	OP	212	5394	9,551	-0.0562	0.0214	0.97	-4.49	0.97	-4.67	0.23	0.17	63.1	61.8	0.0004
21107080	OP	213	698	1,724	1.7405	0.0503	1.03	2.55	1.05	2.94	0.02	0.08	60.4	62.0	0.0011
21107200	OP	214	109	219	0.0115	0.1512	0.98	-0.35	0.98	-0.17	0.43	0.39	68.9	69.0	0.0003
21107220	OP	215	583	989	-0.5104	0.0526	0.95	-1.41	0.94	-1.66	0.12	0.04	54.2	51.9	-0.0002
21107250	OP	216	4905	4,964	-0.4740	0.0207	0.93	-5.03	0.93	-4.99	0.27	0.15	48.1	48.5	0.0003
21107410	OP	217	17230	23,873	0.8260	0.0102	0.86	-9.90	0.85	-9.90	0.56	0.46	57.8	54.5	-0.0076
21107420	OP	218	23435	23,872	0.2241	0.0122	1.16	9.90	1.16	9.90	0.27	0.40	63.8	65.9	0.0008
21107540	OP	219	2458	3,223	1.2054	0.0368	1.16	6.25	1.16	6.08	0.56	0.63	66.1	70.3	0.0004
21107570	OP	220	9283	12,342	0.6184	0.0120	1.62	9.90	2.22	9.90	0.13	0.49	37.4	50.4	-0.0039
21107680	OP	221	10255	12,342	0.5628	0.0132	0.99	-1.13	0.97	-2.12	0.47	0.46	49.8	49.7	-0.0193
21107760	OP	222	11157	11,531	0.3099	0.0179	1.06	4.86	1.06	4.62	0.30	0.41	67.6	66.7	-0.0555
21107860	OP	223	5343	4,928	0.9285	0.0165	0.87	-9.90	0.83	-8.99	0.38	0.24	30.4	27.7	0.0011
21107870	OP	224	7140	6,261	0.4616	0.0158	0.88	-9.90	0.86	-9.90	0.36	0.22	37.3	33.3	0.0004
21107890	OP	225	7241	7,351	-0.5161	0.0137	0.92	-9.36	0.91	-8.56	0.25	0.13	24.9	24.4	0.0002
21107900	OP	226	5688	5,116	0.6831	0.0189	1.01	0.76	1.01	0.69	0.22	0.21	41.0	40.4	0.0010
21107960	OP	227	298	322	2.4689	0.0728	0.92	-1.54	0.92	-1.51	0.14	0.03	37.9	35.6	0.0010
21107970	OP	228	1735	3,149	-0.3403	0.0260	0.96	-1.95	0.95	-2.01	0.14	0.07	50.4	48.6	–
21107980	OP	229	4977	5,633	0.0202	0.0169	0.90	-8.80	0.90	-8.19	0.24	0.07	33.8	33.5	0.0004
21108390	OP	230	4983	4,998	0.7543	0.0166	0.96	-3.25	0.95	-3.98	0.23	0.18	28.0	26.2	0.0010

ELA Grade 4															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21108450	OP	231	17252	19,002	0.1448	0.0098	1.10	9.90	1.11	9.90	0.32	0.37	38.9	42.4	0.0004
21108460	OP	232	12283	15,273	0.9060	0.0128	1.19	9.90	1.26	9.90	0.32	0.46	45.2	54.2	0.0005
11190590	FT	1	959	1,836	-0.0349	0.0519	1.03	1.46	1.04	1.61	0.37	0.38	68.1	68.7	0.0003
11190600	FT	2	324	1,282	1.1958	0.0704	1.00	0.03	0.97	-0.48	0.37	0.36	76.3	77.3	0.0004
11190610	FT	3	524	1,486	0.6733	0.0596	1.25	9.29	1.40	9.73	0.12	0.36	61.8	71.2	0.0003
11190630	FT	4	163	2,160	2.8963	0.0849	1.19	2.83	3.05	9.90	-0.09	0.22	92.2	92.5	0.0003
11191310	FT	5	867	1,221	-0.7470	0.0678	0.90	-3.30	0.83	-3.81	0.44	0.31	75.5	73.6	0.0004
11191320	FT	6	710	1,180	-0.1791	0.0645	0.85	-6.57	0.83	-5.25	0.51	0.33	76.5	68.4	0.0004
11191330	FT	7	697	1,140	0.9695	0.0418	1.27	6.70	1.55	6.51	0.29	0.45	46.2	53.6	0.0004
11191340	FT	8	288	1,200	1.6239	0.0724	1.20	5.15	1.43	6.32	0.07	0.30	74.0	77.4	0.0004
11191350	FT	9	616	1,155	1.7399	0.0549	1.04	1.03	1.09	2.26	0.36	0.37	67.1	62.5	0.0005
11191360	FT	10	584	1,150	1.7772	0.0553	1.18	4.37	1.38	7.88	0.25	0.38	65.1	62.9	0.0006
11191370	FT	11	189	1,200	2.2588	0.0834	1.04	0.75	1.09	1.04	0.21	0.25	84.3	84.4	0.0004
11191380	FT	12	484	1,193	0.7641	0.0637	0.98	-0.78	1.01	0.23	0.35	0.33	70.8	67.4	0.0004
11191390	FT	13	684	1,205	-0.0675	0.0632	1.09	3.69	1.09	2.88	0.26	0.34	63.3	67.4	0.0004
11191400	FT	14	855	1,191	-0.8336	0.0693	1.01	0.28	1.11	2.10	0.30	0.31	75.7	74.3	0.0004
11191410	FT	15	832	1,196	-0.6872	0.0677	0.96	-1.50	0.96	-0.87	0.37	0.32	74.5	72.9	0.0004
11191420	FT	16	375	1,195	1.2467	0.0672	1.19	6.26	1.30	6.17	0.11	0.32	66.6	72.1	0.0004
11191430	FT	17	661	1,207	0.0807	0.0627	1.13	5.56	1.18	5.46	0.20	0.33	61.1	66.7	0.0004
11191440	FT	18	505	1,173	0.6183	0.0641	1.04	1.81	1.11	3.30	0.29	0.34	66.2	67.4	0.0004
11194310	FT	21	630	1,141	1.2404	0.0461	1.15	3.65	1.34	5.17	0.33	0.43	54.1	57.9	0.0005
11194320	FT	22	1572	1,157	-0.3331	0.0413	0.90	-2.80	0.81	-2.77	0.56	0.48	57.4	54.7	0.0006
11194330	FT	23	475	1,208	0.7715	0.0637	1.01	0.61	1.09	2.65	0.30	0.33	69.4	68.0	0.0005
11194340	FT	24	827	1,196	-0.6737	0.0673	0.91	-3.03	0.86	-3.38	0.43	0.31	75.4	72.5	0.0005
11194350	FT	25	1043	1,132	0.5293	0.0509	1.02	0.58	1.02	0.66	0.38	0.38	57.3	59.2	0.0005
11194360	FT	26	615	1,185	0.1848	0.0628	0.98	-1.14	0.97	-0.95	0.37	0.33	67.4	65.9	0.0005
11194370	FT	27	655	1,197	0.0632	0.0627	1.13	5.84	1.20	6.62	0.18	0.32	60.8	66.2	0.0005
11194380	FT	28	1482	1,166	-0.1629	0.0384	0.87	-3.90	0.79	-2.64	0.58	0.49	53.3	51.2	0.0006
11194390	FT	29	1144	1,136	0.2842	0.0491	1.06	1.65	1.06	1.60	0.37	0.40	54.2	56.7	0.0005
11194400	FT	30	504	1,190	0.6494	0.0635	1.15	6.24	1.22	6.59	0.17	0.33	60.7	67.2	0.0005
11194410	FT	31	240	1,196	1.8623	0.0766	1.23	5.01	1.74	8.86	-0.02	0.28	78.3	80.5	0.0005
11194420	FT	32	400	1,209	1.0891	0.0658	1.02	0.63	0.97	-0.65	0.32	0.31	68.9	70.9	0.0005
11194430	FT	33	780	1,192	-0.4594	0.0657	0.88	-4.74	0.83	-4.59	0.47	0.32	74.2	70.2	0.0005

ELA Grade 4															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11194440	FT	34	649	1,129	1.0563	0.0438	1.27	6.27	1.80	9.90	0.26	0.43	51.2	55.9	0.0005
11197320	FT	35	1292	1,603	0.4081	0.0391	1.19	5.90	1.20	5.61	0.37	0.48	51.4	53.1	0.0003
11197330	FT	36	758	1,727	0.2439	0.0538	1.11	4.88	1.12	4.07	0.29	0.39	63.9	69.4	0.0003
11197360	FT	37	1221	1,194	-0.0454	0.0430	1.00	0.07	1.00	-0.05	0.53	0.51	52.6	50.7	0.0003
11197370	FT	38	1015	1,777	-0.4067	0.0527	0.96	-2.02	0.95	-1.84	0.42	0.36	70.3	68.5	0.0003
11197470	FT	39	546	1,333	0.2952	0.0623	1.11	3.96	1.19	5.14	0.31	0.40	69.0	70.9	0.0003
11197510	FT	40	566	1,301	0.1710	0.0621	0.95	-2.27	0.94	-1.63	0.44	0.39	72.9	69.4	0.0003
11197520	FT	41	1230	1,141	-0.2570	0.0531	1.10	2.66	1.11	2.79	0.36	0.43	60.9	61.6	0.0003
11197570	FT	42	1948	1,148	-2.2726	0.0638	0.86	-3.05	0.76	-3.55	0.48	0.37	78.3	73.7	0.0002
11197580	FT	43	513	1,945	1.1238	0.0559	1.16	5.68	1.30	6.31	0.17	0.34	71.4	76.1	0.0003
11197590	FT	44	716	1,208	-0.5980	0.0647	0.90	-4.13	0.84	-4.53	0.48	0.37	72.3	69.3	0.0003
11197680	FT	45	917	1,247	0.7190	0.0494	1.09	2.44	1.10	2.68	0.39	0.45	54.1	59.2	0.0004
11197700	FT	46	818	1,919	0.3152	0.0512	0.95	-2.40	0.95	-1.71	0.44	0.38	71.9	69.5	0.0003
11197710	FT	47	1147	1,743	-0.8694	0.0554	1.04	1.80	1.12	3.05	0.32	0.35	70.9	71.5	0.0003
11197730	FT	48	817	1,314	-0.7384	0.0623	0.97	-1.16	0.96	-1.00	0.39	0.35	72.5	69.8	0.0003
11197740	FT	49	1299	1,140	-0.4451	0.0504	0.91	-2.62	0.91	-2.60	0.55	0.47	58.6	58.0	0.0003
11197780	FT	50	877	1,580	-0.3473	0.0559	0.91	-4.34	0.89	-3.73	0.46	0.37	72.0	68.4	0.0003
11197810	FT	51	821	1,528	-0.2290	0.0569	1.00	0.03	1.00	-0.11	0.39	0.38	68.8	68.8	0.0003
11197820	FT	52	876	1,440	-0.6472	0.0594	0.91	-3.96	0.87	-3.90	0.46	0.36	72.5	69.5	0.0003
11197830	FT	53	1756	1,139	-1.6854	0.0560	0.99	-0.17	0.97	-0.58	0.42	0.40	62.7	65.6	0.0002
11197910	FT	54	502	1,648	0.9580	0.0586	0.99	-0.33	0.98	-0.57	0.38	0.36	74.7	73.6	0.0003
11197940	FT	55	770	1,465	-0.2265	0.0578	1.03	1.42	1.01	0.29	0.36	0.37	66.1	68.2	0.0003
11197950	FT	56	1133	1,149	-0.0458	0.0479	1.18	4.90	1.20	5.20	0.39	0.49	48.6	54.3	0.0003
11198020	FT	57	1673	1,192	-1.1488	0.0493	0.90	-2.81	0.89	-2.47	0.54	0.47	64.6	60.3	0.0002
11198030	FT	58	663	1,568	0.2889	0.0567	1.02	0.99	1.04	1.41	0.38	0.39	68.4	69.5	0.0003
11198040	FT	59	1035	1,149	0.1810	0.0495	1.20	5.22	1.21	5.55	0.33	0.46	52.9	56.3	0.0003
11198320	FT	60	482	1,552	0.9085	0.0603	1.23	7.78	1.42	8.80	0.13	0.36	68.2	73.6	0.0003
11198370	FT	61	491	1,302	0.4919	0.0637	1.02	0.62	1.07	1.83	0.37	0.39	73.6	71.5	0.0003
11198440	FT	62	1323	1,161	-0.4318	0.0505	1.07	1.85	1.07	1.94	0.43	0.47	55.5	58.5	0.0003
11198480	FT	63	621	1,436	0.2500	0.0588	0.90	-4.72	0.90	-3.24	0.48	0.38	74.6	68.8	0.0003
11198490	FT	64	798	1,565	-0.0828	0.0558	0.91	-4.42	0.89	-3.87	0.47	0.37	73.0	68.1	0.0003
11198510	FT	65	1514	1,155	-0.9846	0.0505	0.91	-2.36	0.90	-2.63	0.53	0.45	62.0	59.2	0.0002
11198530	FT	66	1221	1,437	-2.1241	0.0779	0.95	-1.02	0.84	-1.89	0.32	0.25	85.1	85.1	0.0003

ELA Grade 4															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11198580	FT	67	371	1,248	0.9631	0.0678	1.33	9.69	1.59	9.90	0.03	0.36	64.8	74.1	0.0004
11198600	FT	68	976	1,244	-1.6761	0.0741	0.97	-0.83	0.95	-0.73	0.34	0.30	79.7	79.2	0.0003
11198610	FT	69	364	1,276	1.0676	0.0677	1.12	3.76	1.26	4.68	0.22	0.35	72.5	74.7	0.0004
11198620	FT	70	252	1,261	1.5710	0.0762	1.03	0.62	1.05	0.69	0.32	0.33	80.3	81.0	0.0004
11198660	FT	71	688	1,272	-0.3106	0.0620	1.06	2.51	1.08	2.46	0.33	0.37	65.4	68.1	0.0004
11198700	FT	72	1997	1,344	-1.4013	0.0495	0.84	-4.60	0.79	-4.84	0.57	0.44	69.9	64.1	0.0002
11198710	FT	73	915	1,271	-1.1643	0.0677	1.10	2.97	1.25	4.35	0.23	0.33	72.3	74.5	0.0003
11224610	FT	74	637	1,192	0.1141	0.0628	1.01	0.63	1.02	0.55	0.32	0.33	64.4	66.1	0.0004
11224620	FT	75	521	1,182	0.5461	0.0634	1.11	4.94	1.17	5.36	0.21	0.33	62.6	66.6	0.0004
11224630	FT	76	634	1,198	0.1560	0.0630	1.10	4.26	1.15	5.04	0.25	0.35	63.0	66.9	0.0004
11224640	FT	77	879	1,141	0.6737	0.0403	1.01	0.39	1.11	1.87	0.47	0.47	47.2	47.9	0.0004
11224660	FT	78	668	1,189	-0.0032	0.0632	0.98	-0.85	0.98	-0.59	0.35	0.33	69.0	66.7	0.0004
11224670	FT	79	229	1,190	1.8865	0.0778	1.02	0.39	1.01	0.16	0.26	0.27	80.4	81.1	0.0004
11224680	FT	80	579	1,194	0.3181	0.0628	0.84	-7.57	0.81	-7.06	0.53	0.34	74.5	66.3	0.0004
11224700	FT	81	374	1,195	1.1678	0.0671	1.15	5.11	1.33	6.76	0.14	0.31	68.3	71.9	0.0004
11224720	FT	82	574	1,211	0.3834	0.0624	0.95	-2.57	0.94	-2.15	0.40	0.33	68.4	66.3	0.0004
11224730	FT	83	692	1,140	1.1871	0.0475	1.14	3.51	1.25	4.89	0.33	0.42	57.1	56.2	0.0005
11224740	FT	84	942	1,197	-1.2636	0.0752	0.97	-0.65	1.01	0.19	0.31	0.29	79.9	79.5	0.0004
11224750	FT	85	656	1,180	0.0045	0.0634	0.96	-1.95	0.95	-1.88	0.38	0.33	69.3	66.6	0.0004
11224980	FT	86	643	1,190	0.1380	0.0632	0.89	-5.35	0.87	-4.40	0.48	0.34	72.9	66.5	0.0002
11224990	FT	87	794	1,192	-0.5241	0.0665	0.96	-1.43	0.91	-2.15	0.39	0.33	72.1	71.2	0.0003
11225010	FT	88	628	1,198	0.2049	0.0632	1.09	3.88	1.11	3.48	0.27	0.35	61.6	66.9	0.0002
11225020	FT	89	605	1,188	0.2625	0.0633	0.94	-2.76	0.94	-2.03	0.43	0.35	70.9	66.7	0.0002
11225030	FT	90	550	1,187	0.4654	0.0636	0.79	-9.89	0.74	-9.19	0.58	0.35	77.8	67.3	0.0002
11225060	FT	91	644	1,189	0.0877	0.0635	0.91	-4.00	0.90	-3.13	0.46	0.35	72.5	67.1	0.0003
11225110	FT	92	835	1,189	-0.7292	0.0683	0.94	-1.83	0.89	-2.34	0.39	0.32	75.2	73.2	0.0002
11225300	FT	93	506	1,242	0.7747	0.0629	0.98	-0.72	1.03	0.93	0.36	0.34	69.9	68.1	0.0004
11225310	FT	94	1280	1,176	0.0435	0.0510	1.05	1.41	1.05	1.39	0.35	0.38	61.0	60.9	0.0003
11225320	FT	95	815	1,202	-0.6011	0.0666	0.98	-0.57	1.09	1.90	0.34	0.32	73.6	71.5	0.0004
11225340	FT	96	556	1,203	0.4724	0.0628	1.01	0.52	1.01	0.39	0.33	0.34	65.0	66.6	0.0004
11225530	FT	97	252	1,197	1.8245	0.0756	1.13	2.96	1.42	5.69	0.13	0.29	78.3	79.8	0.0003
11225540	FT	98	1479	1,145	-0.4856	0.0497	0.87	-3.81	0.84	-4.37	0.55	0.43	60.2	57.3	0.0003
11225550	FT	99	367	1,200	1.2438	0.0676	0.91	-3.01	0.88	-2.61	0.43	0.32	75.0	72.8	0.0004

ELA Grade 4															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11225560	FT	100	678	1,200	-0.0551	0.0628	0.99	-0.61	0.98	-0.69	0.35	0.32	66.8	66.5	0.0004
11225570	FT	101	1140	1,156	0.2974	0.0377	1.28	7.64	1.64	7.77	0.36	0.51	40.1	46.9	0.0004
11225580	FT	102	1648	1,143	-0.7323	0.0485	0.92	-1.99	0.88	-2.53	0.49	0.41	64.6	58.7	0.0004
11225590	FT	103	892	1,139	0.6009	0.0386	1.02	0.68	1.17	2.11	0.49	0.50	46.1	49.7	0.0003
11225600	FT	104	500	1,205	0.6704	0.0634	1.00	-0.08	1.01	0.39	0.35	0.33	68.5	67.6	0.0003

Table J.3. IRT Item-Level Statistics—ELA Grade 5

ELA Grade 5															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21048460	OP	1	10111	22,290	0.6367	0.0146	1.01	2.48	1.02	3.19	0.32	0.34	66.3	66.8	0.0135
21048470	OP	2	9989	22,290	0.6652	0.0146	0.98	-4.72	0.98	-2.88	0.36	0.34	68.6	66.9	0.0112
21048480	OP	3	12236	18,732	-0.0294	0.0162	0.92	-9.90	0.87	-9.90	0.37	0.24	70.9	67.7	0.0008
21048490	OP	4	3368	8,835	0.0601	0.0225	0.95	-7.15	0.95	-5.94	0.22	0.09	67.2	62.6	0.0005
21054170	OP	5	657	1,408	-0.7386	0.0542	0.94	-6.74	0.94	-6.59	0.19	-0.01	63.5	57.0	0.0001
21054210	OP	6	1131	2,804	-0.1903	0.0392	0.95	-5.01	0.95	-4.88	0.20	0.04	65.5	60.9	0.0002
21054220	OP	7	411	1,450	0.6137	0.0586	0.95	-1.80	0.94	-2.43	0.14	-0.07	71.7	71.6	0.0004
21054230	OP	8	1254	2,793	-0.3865	0.0388	0.93	-9.02	0.92	-8.77	0.24	0.04	66.1	58.7	0.0002
21054290	OP	9	1106	2,804	-0.1517	0.0394	0.99	-0.90	0.99	-0.84	0.09	0.04	62.2	61.5	0.0003
21054450	OP	10	422	1,275	0.1187	0.0614	0.99	-0.63	0.99	-0.39	0.19	0.15	69.0	67.9	0.0004
21054480	OP	11	509	1,409	-0.1029	0.0576	0.97	-1.30	0.98	-0.87	0.23	0.18	68.3	65.9	0.0004
21054540	OP	12	53	116	-1.4430	0.1897	0.95	-1.42	0.94	-1.47	0.14	-0.01	64.7	58.2	0.0001
21054860	OP	13	759	1,407	-0.8904	0.0557	0.99	-0.40	0.99	-0.48	0.20	0.18	62.0	62.0	0.0004
21054880	OP	14	684	1,409	-0.6562	0.0555	0.98	-1.14	0.98	-1.13	0.22	0.18	62.0	61.5	0.0004
21072030	OP	15	7362	10,876	-0.4031	0.0220	0.96	-3.89	0.97	-2.12	0.34	0.31	73.1	71.1	-0.0115
21072040	OP	16	5684	10,876	0.3465	0.0208	1.01	0.88	0.99	-0.56	0.32	0.33	65.5	66.2	-0.0047
21072050	OP	17	5440	10,876	0.4427	0.0208	1.06	8.74	1.08	8.46	0.26	0.33	62.7	66.1	0.0043
21072060	OP	18	5658	10,876	0.3621	0.0208	1.08	9.90	1.12	9.90	0.23	0.33	62.2	66.2	-0.0091
21072080	OP	19	7651	10,876	-0.5575	0.0225	0.91	-9.78	0.85	-9.90	0.41	0.30	75.1	72.9	-0.0001
21072890	OP	20	11656	22,290	0.3112	0.0146	1.07	9.90	1.09	9.90	0.26	0.34	62.9	66.8	0.0102
21072920	OP	21	6780	11,414	0.0081	0.0207	0.95	-6.59	0.93	-6.90	0.38	0.34	70.4	68.4	-0.0497
21072960	OP	22	536	1,113	1.2473	0.0639	1.03	1.67	1.05	1.81	0.22	0.27	63.5	64.3	0.0009

ELA Grade 5															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21072970	OP	23	7620	11,414	-0.4135	0.0216	1.04	3.96	1.08	5.29	0.27	0.33	71.1	71.5	-0.0037
21073000	OP	24	9073	11,414	-1.1736	0.0247	0.90	-7.56	0.83	-8.01	0.38	0.29	81.2	80.1	-0.0071
21073020	OP	25	5988	11,414	0.3257	0.0205	1.08	9.90	1.10	9.82	0.26	0.35	63.3	67.2	-0.0305
21073040	OP	26	14553	22,290	-0.3277	0.0152	0.87	-9.90	0.79	-9.90	0.48	0.32	74.5	70.5	0.0126
21073050	OP	27	13737	22,290	-0.1360	0.0149	0.96	-7.03	0.96	-4.56	0.37	0.33	71.3	68.9	0.0062
21073060	OP	28	627	1,562	-0.6364	0.0528	0.95	-3.61	0.94	-3.55	0.19	0.07	65.7	61.7	0.0002
21073070	OP	29	11843	22,290	0.2763	0.0146	0.97	-5.21	0.97	-5.06	0.36	0.34	68.4	66.8	0.0052
21073090	OP	30	9100	22,290	0.8714	0.0148	1.07	9.90	1.14	9.90	0.25	0.33	66.0	67.9	-0.0024
21073540	OP	31	1544	6,823	2.7268	0.0298	1.01	0.80	1.02	0.93	0.11	0.13	77.7	77.7	0.0009
21073550	OP	32	423	1,094	0.8897	0.0640	0.93	-3.51	0.92	-3.82	0.29	0.15	67.9	65.3	0.0007
21073560	OP	33	1508	2,785	-0.8668	0.0389	0.93	-8.12	0.93	-8.07	0.25	0.10	66.4	59.4	0.0002
21073570	OP	34	412	1,451	0.4440	0.0593	0.99	-0.41	0.99	-0.18	0.11	0.09	71.7	71.6	0.0004
21073580	OP	35	10454	17,034	-0.0966	0.0168	0.90	-9.90	0.87	-9.90	0.41	0.28	71.5	67.1	0.0007
21073590	OP	36	14692	22,290	-0.3532	0.0153	0.91	-9.90	0.85	-9.90	0.42	0.32	73.4	70.8	0.0057
21073600	OP	37	12553	22,290	0.1363	0.0147	0.98	-3.99	0.98	-3.10	0.34	0.33	68.4	67.3	-0.0068
21073990	OP	38	5580	8,513	-0.4100	0.0242	0.94	-7.04	0.93	-5.24	0.36	0.27	71.8	69.1	0.0007
21074000	OP	39	253	554	1.0658	0.0861	0.94	-4.53	0.94	-4.31	0.20	-0.04	62.1	56.3	0.0009
21074010	OP	40	12361	22,290	0.1723	0.0147	1.01	2.76	1.02	3.03	0.31	0.33	66.8	67.2	-0.0015
21074030	OP	41	1009	2,853	-0.0466	0.0400	0.98	-1.62	0.97	-1.66	0.15	0.10	67.1	65.4	0.0002
21074050	OP	42	50	123	0.9748	0.1842	0.96	-1.10	0.96	-1.13	0.08	-0.15	61.0	59.4	0.0008
21074060	OP	43	5271	14,353	1.2009	0.0183	1.02	3.15	1.04	4.10	0.22	0.25	66.8	67.2	0.0008
21074070	OP	44	209	505	0.5874	0.0911	0.95	-2.59	0.95	-2.67	0.15	-0.05	63.2	59.1	0.0007
21074080	OP	45	248	650	-0.0219	0.0818	0.94	-2.74	0.93	-2.98	0.17	0.00	63.4	62.4	0.0002
21074090	OP	46	9466	15,455	-0.0102	0.0178	0.92	-9.90	0.89	-9.90	0.42	0.32	72.2	68.7	0.0007
21074100	OP	47	155	249	0.8195	0.1398	1.11	2.17	1.24	2.75	0.15	0.29	65.5	66.8	0.0009
21074110	OP	48	132	286	1.6136	0.1201	0.94	-2.90	0.94	-2.92	0.14	-0.05	65.0	57.0	0.0009
21074120	OP	49	272	517	0.5445	0.0892	0.93	-4.68	0.93	-4.65	0.22	0.03	65.6	56.7	0.0008
21074130	OP	50	272	790	0.8030	0.0754	0.97	-1.35	0.96	-1.59	0.06	-0.06	65.6	65.6	0.0007
21074140	OP	51	23	101	1.2108	0.2381	0.97	-0.20	0.94	-0.40	0.08	-0.10	77.2	77.2	0.0006
21074160	OP	52	5255	15,932	1.2906	0.0179	1.03	3.47	1.10	9.79	0.22	0.27	71.1	69.9	0.0007
21074170	OP	53	2342	5,553	1.3505	0.0286	1.04	4.81	1.06	5.66	0.17	0.24	62.8	64.3	0.0008
21074200	OP	54	4369	6,857	-0.4994	0.0271	0.95	-4.70	0.93	-4.61	0.38	0.31	72.0	69.1	0.0006
21074210	OP	55	942	2,610	-0.1829	0.0420	0.95	-3.97	0.94	-3.71	0.25	0.13	68.9	65.6	0.0004

ELA Grade 5															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21074220	OP	56	791	2,016	0.0363	0.0467	0.97	-2.11	0.98	-1.59	0.17	0.10	64.7	62.6	0.0005
21074240	OP	57	361	862	2.0262	0.0714	1.09	4.23	1.10	4.34	-0.04	0.14	57.8	62.7	0.0010
21074250	OP	58	578	1,166	0.3836	0.0603	0.98	-1.50	0.98	-1.24	0.18	0.14	61.1	59.0	0.0007
21074280	OP	59	11843	22,290	0.2819	0.0146	1.05	9.90	1.06	7.98	0.27	0.34	64.0	66.8	-0.0003
21074290	OP	60	584	1,180	0.3827	0.0599	0.95	-3.57	0.95	-3.39	0.24	0.14	64.1	59.0	0.0007
21074320	OP	61	349	847	-0.6695	0.0708	0.95	-3.36	0.94	-3.44	0.17	0.00	64.8	60.1	–
21074350	OP	62	4495	7,978	0.5560	0.0235	0.95	-7.22	0.94	-7.07	0.28	0.20	66.4	62.3	0.0008
21076620	OP	63	265	823	-0.4023	0.0753	0.95	-1.92	0.94	-2.17	0.14	-0.06	68.0	67.8	0.0001
21076630	OP	64	4475	8,596	0.1130	0.0235	1.04	4.32	1.04	3.62	0.31	0.33	64.7	66.4	0.0006
21076650	OP	65	2344	4,257	-0.2857	0.0319	0.93	-7.83	0.93	-7.83	0.30	0.16	66.4	61.8	0.0005
21076670	OP	66	1295	2,530	1.2510	0.0410	0.97	-3.17	0.97	-3.20	0.21	0.13	62.1	60.3	0.0009
21076690	OP	67	3656	8,593	0.5668	0.0237	1.00	0.16	1.01	1.22	0.35	0.34	69.3	68.0	0.0006
21076710	OP	68	2704	4,920	-0.4336	0.0307	0.90	-9.90	0.85	-9.90	0.42	0.29	70.4	64.2	0.0004
21076750	OP	69	2257	4,771	0.8788	0.0304	1.02	2.28	1.02	2.05	0.20	0.22	60.9	63.3	0.0008
21076810	OP	70	1206	2,971	0.0062	0.0379	0.96	-4.11	0.96	-4.24	0.14	0.00	63.2	60.7	0.0004
21077150	OP	71	3023	4,981	0.0020	0.0305	0.95	-5.20	0.93	-5.55	0.32	0.24	66.8	65.1	0.0008
21077630	OP	72	58	136	-1.0260	0.1774	0.91	-2.08	0.90	-2.05	0.28	0.06	66.9	60.5	0.0003
21077680	OP	73	245	399	0.2408	0.1042	0.99	-0.23	0.99	-0.33	0.05	0.02	64.4	61.9	0.0008
21077690	OP	74	195	399	0.7645	0.1016	0.96	-2.56	0.96	-2.60	0.15	0.02	60.4	56.9	0.0008
21077710	OP	75	124	380	1.4876	0.1107	0.98	-0.47	0.98	-0.51	0.07	0.01	67.6	67.4	0.0008
21077830	OP	76	229	399	0.4117	0.1026	0.94	-2.85	0.93	-3.04	0.21	0.02	60.4	59.0	0.0008
21077990	OP	77	355	383	-0.9012	0.2254	1.00	0.03	0.80	-0.73	0.47	0.45	93.2	93.6	0.0008
21078020	OP	78	148	191	0.8124	0.1881	1.02	0.21	0.89	-0.77	0.32	0.33	78.0	81.2	0.0010
21078040	OP	79	344	372	-0.8801	0.2262	0.89	-0.63	0.76	-0.94	0.54	0.45	94.1	93.5	0.0008
21078060	OP	80	237	327	1.3145	0.1269	1.00	-0.02	0.99	-0.11	0.08	0.07	72.5	73.2	0.0011
21078090	OP	81	199	354	2.1139	0.1095	0.98	-0.96	0.97	-1.10	0.06	0.00	60.5	59.3	0.0011
21078170	OP	82	666	2,040	0.9699	0.0482	0.96	-2.33	0.96	-2.09	0.20	0.10	68.7	67.5	0.0007
21078200	OP	83	307	823	1.6005	0.0726	0.97	-1.72	0.96	-1.90	0.08	-0.07	64.2	62.8	0.0009
21078220	OP	84	124	296	-0.7912	0.1209	1.01	0.26	1.02	0.61	0.08	0.10	64.2	60.9	0.0001
21078240	OP	85	5145	9,165	0.5691	0.0223	0.99	-1.02	0.99	-1.21	0.27	0.26	64.7	64.3	0.0008
21078280	OP	86	67	116	-1.6019	0.1900	0.94	-1.48	0.94	-1.39	0.11	-0.05	65.5	59.0	0.0002
21078300	OP	87	3534	4,843	-0.7479	0.0340	0.91	-5.44	0.89	-5.34	0.37	0.23	77.7	74.3	0.0006
21078320	OP	88	6667	11,757	0.3818	0.0195	1.01	2.27	1.00	0.54	0.19	0.21	60.9	62.7	0.0008

ELA Grade 5															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21078350	OP	89	659	1,349	1.8035	0.0562	0.95	-3.90	0.94	-4.08	0.22	0.12	62.5	60.2	0.0010
21078360	OP	90	4435	8,984	1.1410	0.0222	1.03	5.07	1.05	5.71	0.19	0.23	61.0	63.0	0.0009
21078380	OP	91	4464	6,874	-0.0383	0.0264	0.97	-3.18	0.96	-2.84	0.27	0.21	68.6	67.0	0.0008
21078400	OP	92	1146	1,910	-0.5444	0.0489	1.02	1.34	1.03	1.36	0.19	0.21	63.5	64.0	0.0005
21078410	OP	93	843	2,064	0.1164	0.0462	0.95	-3.80	0.95	-3.26	0.23	0.14	68.7	62.5	0.0005
21078420	OP	94	916	1,773	0.5274	0.0480	0.94	-8.73	0.94	-8.76	0.18	-0.03	63.2	55.6	0.0008
21078430	OP	95	1629	3,537	0.8511	0.0343	0.96	-5.96	0.96	-5.90	0.17	0.06	61.4	58.0	0.0008
21078450	OP	96	1407	3,114	1.8819	0.0372	0.99	-1.35	0.98	-1.46	0.17	0.13	61.6	61.2	0.0009
21078510	OP	97	1048	2,076	0.4300	0.0450	0.98	-2.64	0.97	-2.57	0.17	0.12	62.4	58.7	0.0008
21106880	OP	98	97	183	-0.1807	0.1490	0.95	-3.05	0.94	-3.07	0.14	-0.11	65.6	54.9	0.0006
21106910	OP	99	45	174	0.9909	0.1739	0.96	-0.43	0.94	-0.66	0.10	-0.10	74.1	74.1	0.0006
21106920	OP	100	115	237	-0.3028	0.1361	0.97	-0.93	0.97	-0.67	0.29	0.19	63.3	61.2	0.0005
21106970	OP	101	57	233	0.8599	0.1560	1.03	0.42	1.17	1.48	0.06	0.12	75.5	75.5	0.0006
21107270	OP	102	22438	22,290	0.4319	0.0111	1.12	9.90	1.13	9.90	0.31	0.42	54.2	56.1	-0.0198
21107280	OP	103	15338	12,269	-0.5415	0.0182	0.95	-4.48	0.95	-4.40	0.45	0.39	66.8	67.4	0.0006
21107330	OP	104	1133	1,277	0.4687	0.0540	1.30	9.85	1.30	9.65	0.46	0.61	56.8	59.0	0.0006
21107370	OP	105	9346	10,876	0.9697	0.0176	1.19	9.90	1.19	9.90	0.19	0.37	60.4	63.2	-0.0487
21107380	OP	106	2401	3,148	0.0547	0.0308	1.00	-0.03	1.00	-0.02	0.10	0.07	59.4	59.6	0.0003
21107390	OP	107	27828	22,290	-0.2321	0.0111	0.99	-1.13	0.98	-2.91	0.42	0.41	57.8	55.8	0.0092
21107400	OP	108	27804	22,290	-0.5296	0.0132	1.02	2.13	1.02	2.50	0.35	0.36	65.7	66.4	-0.0036
21107500	OP	109	12123	11,414	0.2580	0.0153	1.13	9.90	1.14	9.90	0.30	0.43	50.8	55.0	-0.0114
21107630	OP	110	7865	8,971	0.8137	0.0132	1.00	-0.25	0.97	-2.12	0.39	0.37	39.1	39.9	0.0008
21107650	OP	111	12306	20,307	1.3912	0.0109	0.96	-3.98	1.01	0.42	0.44	0.41	55.8	55.3	0.0008
21107720	OP	112	2644	3,216	0.6066	0.0302	0.98	-0.81	1.00	0.23	0.49	0.49	60.7	57.1	0.0006
21107730	OP	113	8458	9,836	0.3910	0.0140	1.08	6.25	1.10	5.94	0.44	0.49	45.7	48.3	0.0006
21107920	OP	114	12236	13,560	0.3893	0.0114	0.97	-2.85	0.98	-1.72	0.45	0.43	43.3	42.9	0.0007
21107940	OP	115	9272	10,387	1.1294	0.0127	1.16	9.90	1.25	9.90	0.30	0.41	38.0	42.5	0.0009
21107950	OP	116	4431	4,978	0.5365	0.0170	1.24	9.90	1.37	9.90	0.15	0.33	25.2	32.8	0.0007
21108000	OP	117	2241	2,857	-0.2751	0.0260	0.90	-5.20	0.89	-5.52	0.28	0.14	43.3	42.0	0.0003
21108010	OP	118	289	369	1.0636	0.0739	0.99	-0.19	0.94	-0.85	0.45	0.43	45.0	48.6	0.0008
21108020	OP	119	11300	14,169	0.8085	0.0107	1.09	9.90	1.17	9.90	0.32	0.41	38.5	42.4	0.0008
21108150	OP	120	14269	16,979	0.9174	0.0097	1.08	9.56	1.39	9.90	0.40	0.46	39.8	44.3	0.0008
21109010	OP	121	1205	3,783	-0.1259	0.0354	0.98	-1.84	0.98	-1.56	0.09	0.01	68.4	68.1	0.0002

ELA Grade 5															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21109020	OP	122	10364	17,738	0.3634	0.0160	0.93	-9.90	0.90	-9.90	0.36	0.24	68.1	64.3	0.0008
31193340	OP	123	7724	11,414	-0.4839	0.0218	0.98	-2.47	0.95	-3.51	0.36	0.33	72.7	72.2	0.0182
31193380	OP	124	1951	4,533	-0.5360	0.0305	0.96	-5.47	0.96	-4.76	0.14	0.03	64.3	58.8	0.0003
31193570	OP	125	4847	13,246	1.6194	0.0188	1.08	9.90	1.08	9.90	0.06	0.18	63.5	66.7	0.0009
41145360	OP	126	8972	10,876	-1.3888	0.0270	1.07	4.17	1.23	7.96	0.19	0.25	82.5	83.4	0.0573
11189170	FT	1	863	1,084	-1.1152	0.0801	0.83	-3.97	0.71	-4.54	0.48	0.28	82.6	80.3	0.0005
11189180	FT	2	359	1,328	1.6318	0.0659	1.05	1.63	1.09	1.86	0.24	0.30	73.9	74.6	0.0004
11189190	FT	3	267	1,084	1.7592	0.0750	0.95	-1.30	0.88	-2.14	0.35	0.29	77.5	76.6	0.0005
11189200	FT	4	583	1,074	0.2711	0.0661	1.00	-0.09	1.00	-0.05	0.34	0.32	65.8	66.0	0.0005
11189210	FT	5	1212	1,335	0.6730	0.0363	1.14	4.47	1.26	4.87	0.41	0.49	40.6	45.8	0.0005
11189250	FT	6	444	1,332	1.2995	0.0625	0.98	-0.62	0.97	-0.89	0.33	0.31	71.1	70.6	0.0005
11189270	FT	7	690	1,073	-0.2064	0.0687	0.94	-2.31	0.90	-2.71	0.40	0.32	72.6	69.7	0.0005
11189280	FT	8	1291	1,324	0.5392	0.0379	1.14	4.23	1.21	4.73	0.41	0.49	43.5	46.3	0.0005
11189290	FT	9	584	1,071	0.2881	0.0662	0.90	-4.60	0.88	-4.30	0.45	0.32	71.5	66.0	0.0005
11189300	FT	10	856	1,072	-1.1189	0.0809	0.90	-2.16	0.76	-3.50	0.41	0.28	81.1	80.5	0.0005
11189310	FT	11	788	1,071	-0.6697	0.0745	0.85	-4.28	0.75	-4.76	0.49	0.31	79.0	75.7	0.0005
11189320	FT	12	796	1,070	-0.7518	0.0749	0.88	-3.39	0.78	-4.14	0.45	0.30	77.8	76.0	0.0005
11189330	FT	13	587	1,070	0.2638	0.0664	0.98	-0.96	0.98	-0.79	0.36	0.33	68.8	66.5	0.0005
11189380	FT	14	499	1,076	0.6841	0.0664	0.98	-0.72	0.98	-0.48	0.37	0.34	67.3	66.5	0.0005
11191580	FT	15	578	1,067	0.1170	0.0666	1.27	9.90	1.34	9.90	0.04	0.33	52.4	66.8	0.0004
11191640	FT	16	1331	1,333	0.1088	0.0378	0.96	-1.30	0.99	-0.27	0.50	0.46	48.5	45.4	0.0003
11194160	FT	17	473	1,085	0.8100	0.0657	1.08	3.45	1.12	3.97	0.22	0.31	63.6	65.8	0.0004
11194170	FT	18	721	1,078	-0.2843	0.0694	0.91	-3.31	0.86	-3.62	0.43	0.31	73.6	70.7	0.0004
11194190	FT	19	696	1,072	-0.1709	0.0689	0.87	-5.04	0.81	-5.08	0.48	0.32	74.5	69.9	0.0004
11194200	FT	20	434	1,070	0.9581	0.0668	0.98	-0.68	1.00	0.16	0.33	0.31	67.9	66.6	0.0004
11194210	FT	21	479	1,065	0.7385	0.0663	1.05	2.30	1.06	2.01	0.26	0.32	63.7	65.9	0.0004
11194220	FT	22	384	1,075	1.2024	0.0683	1.06	2.24	1.10	2.49	0.24	0.31	68.0	68.9	0.0004
11194230	FT	23	115	1,066	2.9010	0.1025	1.04	0.59	1.20	1.69	0.16	0.21	89.0	89.3	0.0003
11194250	FT	24	578	1,066	0.3026	0.0663	0.96	-1.74	0.95	-1.57	0.38	0.32	67.5	66.1	0.0004
11194260	FT	25	939	1,327	1.1493	0.0417	1.14	4.04	1.18	4.32	0.32	0.42	47.4	51.8	0.0004
11194270	FT	26	1365	1,327	0.4742	0.0409	1.09	2.79	1.12	3.39	0.38	0.44	43.2	48.5	0.0004
11194830	FT	27	983	1,126	-1.7181	0.0933	0.94	-0.92	0.89	-1.15	0.30	0.22	87.4	87.3	0.0005
11194840	FT	28	1149	1,327	0.7346	0.0366	1.12	3.88	1.31	5.87	0.39	0.47	41.1	45.1	0.0005

ELA Grade 5															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11194850	FT	29	544	1,092	0.4916	0.0655	0.95	-2.15	0.95	-1.78	0.39	0.33	67.7	66.1	0.0005
11194860	FT	30	838	1,079	-0.9946	0.0780	0.92	-1.93	0.82	-2.97	0.40	0.29	78.3	78.6	0.0005
11194870	FT	31	280	1,069	1.6579	0.0738	1.15	3.99	1.37	6.08	0.08	0.28	73.1	75.0	0.0005
11194880	FT	32	1101	1,334	0.9270	0.0446	1.21	6.02	1.26	7.17	0.25	0.42	49.9	55.3	0.0005
11194890	FT	33	1006	1,329	1.3630	0.0531	1.28	7.11	1.29	7.34	0.06	0.35	60.3	65.6	0.0005
11194900	FT	34	464	1,075	0.7702	0.0664	1.03	1.38	1.02	0.59	0.29	0.32	63.8	66.4	0.0005
11194910	FT	35	411	1,073	1.0053	0.0678	1.09	3.39	1.09	2.47	0.24	0.33	61.8	68.3	0.0005
11194920	FT	36	32	1,073	4.2679	0.1819	0.99	0.01	0.82	-0.73	0.15	0.12	97.0	97.0	0.0004
11194930	FT	37	467	1,077	0.7406	0.0664	1.19	7.59	1.25	7.44	0.12	0.33	57.0	66.6	0.0005
11194940	FT	38	1373	1,324	0.3400	0.0483	0.90	-2.86	0.90	-2.82	0.49	0.39	61.8	61.0	0.0005
11194950	FT	39	724	1,086	-0.3278	0.0693	1.06	1.97	1.07	1.64	0.26	0.31	68.2	70.9	0.0005
11194960	FT	40	598	1,332	0.6926	0.0594	0.99	-0.46	1.00	-0.11	0.34	0.32	68.3	66.3	0.0004
11195350	FT	41	117	1,071	2.8937	0.1014	1.05	0.67	1.31	2.57	0.11	0.20	89.1	89.1	0.0004
11200320	FT	42	526	1,071	0.3243	0.0665	1.09	3.79	1.13	4.27	0.24	0.34	62.7	66.7	0.0004
11200350	FT	43	665	1,156	-0.1274	0.0645	0.97	-1.50	0.95	-1.43	0.37	0.33	68.9	67.1	0.0004
11200360	FT	44	726	1,071	-0.5476	0.0706	0.84	-5.55	0.78	-5.20	0.50	0.32	76.4	71.4	0.0004
11200370	FT	45	281	1,249	1.6177	0.0722	1.23	5.50	1.53	7.93	-0.01	0.29	75.7	78.5	0.0004
11200480	FT	46	854	1,319	1.0726	0.0459	1.31	8.09	1.40	9.64	0.20	0.42	53.7	57.3	0.0004
11200520	FT	47	2005	1,336	-1.1149	0.0481	1.27	6.80	1.46	9.04	0.09	0.36	45.2	61.4	0.0002
11200600	FT	48	254	1,307	1.8184	0.0741	1.16	3.57	1.50	6.78	0.06	0.28	80.0	81.2	0.0004
11200660	FT	49	65	1,143	3.3253	0.1312	1.05	0.54	1.48	2.60	0.08	0.18	94.3	94.3	0.0003
11200720	FT	50	663	1,069	-0.2898	0.0678	1.01	0.46	1.01	0.34	0.31	0.31	68.1	68.2	0.0004
11200800	FT	51	578	1,083	0.0788	0.0660	1.05	2.11	1.11	3.51	0.28	0.33	63.4	66.5	0.0004
11200820	FT	52	607	1,066	-0.0146	0.0672	1.07	2.88	1.08	2.46	0.27	0.34	62.8	67.3	0.0004
11200890	FT	53	689	1,175	-0.2169	0.0640	0.84	-7.37	0.80	-6.62	0.50	0.32	75.5	67.2	0.0004
11200920	FT	54	425	1,100	0.7247	0.0673	1.08	2.80	1.10	2.83	0.26	0.34	66.8	69.2	0.0004
11201010	FT	55	560	1,155	0.3367	0.0643	0.92	-3.58	0.92	-2.83	0.45	0.35	72.1	67.4	0.0004
11201120	FT	56	331	1,124	1.3061	0.0704	1.04	1.38	1.14	2.90	0.26	0.32	73.4	73.5	0.0004
11201140	FT	57	414	1,088	0.9570	0.0678	1.16	5.89	1.22	5.56	0.16	0.34	61.7	69.1	0.0004
11201160	FT	58	460	1,079	0.6239	0.0669	1.00	0.14	1.01	0.31	0.35	0.34	67.2	67.8	0.0004
11201250	FT	59	409	1,079	0.8808	0.0683	1.24	8.21	1.34	8.34	0.10	0.35	61.1	69.6	0.0004
11201310	FT	60	488	1,096	0.5209	0.0662	1.06	2.53	1.09	2.90	0.29	0.35	64.2	67.6	0.0004
11201330	FT	61	339	1,066	1.2116	0.0712	1.27	8.04	1.49	9.42	0.01	0.33	65.0	72.2	0.0004

ELA Grade 5															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11201410	FT	62	248	1,078	1.7439	0.0774	1.09	2.22	1.28	4.08	0.19	0.30	77.3	78.0	0.0004
11201520	FT	63	664	1,066	-0.2842	0.0687	0.93	-2.70	0.92	-2.16	0.42	0.34	72.4	69.1	0.0004
11201550	FT	64	562	1,096	0.2522	0.0657	0.95	-2.41	0.95	-1.76	0.40	0.34	69.7	66.7	0.0004
11201560	FT	65	688	1,078	-0.3435	0.0689	0.92	-3.10	0.88	-3.05	0.44	0.34	73.6	69.9	0.0004
11201680	FT	66	660	1,085	-0.2248	0.0675	0.96	-1.52	0.96	-1.14	0.38	0.34	70.0	68.4	0.0004
11201790	FT	67	484	1,073	0.5425	0.0668	1.13	5.16	1.17	5.12	0.20	0.35	61.5	67.3	0.0004
11201850	FT	68	465	1,055	0.6539	0.0674	1.10	4.12	1.14	4.10	0.23	0.34	63.2	67.1	0.0004
11201920	FT	69	1728	1,324	-1.0836	0.0551	1.14	3.85	1.17	4.50	0.22	0.36	59.5	66.9	0.0002
11201930	FT	70	73	1,083	3.2942	0.1248	1.03	0.31	1.13	0.82	0.16	0.19	93.3	93.3	0.0003
11201950	FT	71	316	1,065	1.3289	0.0726	1.22	6.20	1.52	8.97	0.07	0.33	68.8	73.5	0.0004
11201970	FT	72	1362	1,328	0.0829	0.0485	1.06	1.65	1.06	1.57	0.33	0.38	60.1	61.7	0.0003
11206290	FT	73	488	1,282	0.7469	0.0620	1.39	9.90	1.46	9.90	-0.10	0.32	51.6	68.8	0.0004
11206310	FT	74	774	1,237	-0.4055	0.0631	0.92	-3.48	0.90	-3.05	0.40	0.31	72.4	68.1	0.0004
11206330	FT	75	1644	1,333	-0.5793	0.0469	0.94	-1.83	0.94	-1.82	0.44	0.37	61.0	59.4	0.0003
11219420	FT	76	631	1,093	0.1711	0.0662	0.91	-3.94	0.89	-3.62	0.44	0.33	72.8	67.2	0.0005
11219430	FT	77	1413	1,317	0.4098	0.0355	1.07	2.31	1.11	1.77	0.47	0.50	43.5	46.2	0.0006
11219440	FT	78	1582	1,321	0.0440	0.0426	0.91	-2.92	0.88	-3.31	0.54	0.46	53.1	51.8	0.0006
11219450	FT	79	813	1,083	-0.7946	0.0752	0.89	-3.15	0.81	-3.50	0.45	0.30	78.6	76.7	0.0006
11219470	FT	80	849	1,069	-1.0774	0.0808	0.84	-3.65	0.72	-4.25	0.48	0.30	82.3	80.2	0.0006
11219480	FT	81	899	1,067	-1.4025	0.0883	0.89	-2.10	0.74	-3.29	0.40	0.25	84.8	84.4	0.0002
11219490	FT	82	757	1,067	-0.5234	0.0721	1.13	3.73	1.27	5.08	0.15	0.30	69.4	73.5	0.0002
11219500	FT	83	1928	1,320	-0.4474	0.0431	1.04	1.06	1.08	1.41	0.42	0.43	60.2	58.7	0.0007
11219510	FT	84	785	1,068	-0.6754	0.0741	1.02	0.68	1.03	0.58	0.28	0.30	74.4	75.3	0.0002
11219520	FT	85	861	1,068	-1.1217	0.0819	0.88	-2.66	0.77	-3.44	0.43	0.27	81.7	81.1	0.0003
11219530	FT	86	707	1,072	-0.2568	0.0697	0.90	-3.61	0.84	-3.96	0.46	0.33	74.2	70.9	0.0006
11219540	FT	87	659	1,066	-0.0621	0.0679	0.93	-2.80	0.92	-2.17	0.41	0.32	70.9	68.4	0.0002
11219550	FT	88	758	1,067	-0.5151	0.0725	0.91	-2.62	0.86	-2.95	0.43	0.31	74.5	73.8	0.0006
11224120	FT	89	797	1,089	-0.7152	0.0735	0.89	-3.36	0.79	-4.01	0.45	0.31	76.9	75.3	0.0004
11224130	FT	90	675	1,081	-0.1036	0.0677	0.88	-4.66	0.84	-4.55	0.47	0.32	74.3	68.8	0.0004
11224140	FT	91	655	1,074	-0.0831	0.0676	0.95	-1.89	0.92	-2.25	0.40	0.33	70.4	68.4	0.0004
11224150	FT	92	523	1,066	0.5390	0.0660	0.95	-2.37	0.95	-1.89	0.39	0.32	69.1	65.5	0.0004
11224160	FT	93	341	1,083	1.4038	0.0703	1.01	0.29	1.09	1.86	0.29	0.32	74.0	71.8	0.0004
11224170	FT	94	1429	1,333	0.3158	0.0444	0.95	-1.48	0.95	-1.58	0.48	0.42	56.0	55.0	0.0004

ELA Grade 5															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11224180	FT	95	164	1,082	2.4764	0.0889	0.90	-1.84	0.84	-1.87	0.36	0.24	85.5	85.0	0.0004
11224190	FT	96	1032	1,333	0.8693	0.0359	1.39	9.90	1.73	9.45	0.27	0.49	38.6	49.1	0.0004
11224200	FT	97	659	1,074	-0.0807	0.0679	0.93	-2.74	0.88	-3.46	0.44	0.34	70.2	68.8	0.0004
11224210	FT	98	1193	1,331	0.6858	0.0358	1.12	3.74	1.20	3.22	0.44	0.51	42.6	47.9	0.0004
11224220	FT	99	1449	1,334	0.1922	0.0490	1.08	2.34	1.08	2.27	0.31	0.39	61.7	62.0	0.0004
11224230	FT	100	427	1,069	1.0072	0.0676	0.94	-2.58	0.90	-2.92	0.42	0.33	69.9	67.7	0.0004
11224250	FT	101	326	1,078	1.4998	0.0712	1.10	3.07	1.30	5.82	0.18	0.31	72.8	72.5	0.0004
21109510	FT	224	133	1,322	2.9555	0.0947	1.02	0.24	0.83	-1.58	0.24	0.21	89.9	89.9	0.0003
21109520	FT	225	1203	1,322	0.7465	0.0476	1.09	2.51	1.10	2.73	0.32	0.39	58.3	60.0	0.0003
21109530	FT	226	260	1,322	2.0989	0.0731	1.01	0.21	0.99	-0.19	0.27	0.27	80.4	80.7	0.0003
21109540	FT	227	968	1,322	-0.6913	0.0665	0.93	-2.21	0.88	-2.45	0.38	0.30	77.9	75.2	0.0003

Table J.4. IRT Item-Level Statistics—ELA Grade 6

ELA Grade 6															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11188460	OP	1	472	934	0.8963	0.0665	0.97	-2.54	0.97	-2.61	0.14	0.05	58.1	57.0	0.0010
11188550	OP	2	413	969	1.1995	0.0661	0.93	-4.65	0.93	-4.63	0.26	0.07	65.0	59.8	0.0010
11188570	OP	3	636	970	0.2248	0.0686	0.94	-2.76	0.92	-3.06	0.25	0.07	67.3	65.8	0.0010
11191710	OP	4	396	442	-0.0939	0.1566	0.97	-0.24	0.86	-1.04	0.13	-0.03	89.6	89.6	0.0011
11191720	OP	5	221	240	-0.0618	0.2413	0.99	0.03	1.10	0.50	0.06	0.04	92.1	92.1	0.0011
11191730	OP	6	7800	11,227	-0.4189	0.0219	0.87	-9.90	0.80	-9.90	0.46	0.31	76.3	72.4	-0.0074
11191740	OP	7	5979	11,227	0.3633	0.0204	1.08	9.90	1.11	9.90	0.23	0.32	62.8	66.1	0.0135
11191750	OP	8	6534	11,227	0.1404	0.0207	1.04	5.28	1.05	4.99	0.27	0.32	65.4	67.1	0.0024
11191760	OP	9	2088	3,635	0.4524	0.0361	0.96	-3.64	0.94	-3.52	0.36	0.31	68.9	66.3	0.0009
11191770	OP	10	7582	11,227	-0.2948	0.0216	1.02	2.41	1.01	0.39	0.27	0.31	69.5	71.0	-0.0282
11191810	OP	11	3227	6,070	0.9916	0.0271	0.96	-5.80	0.97	-3.50	0.31	0.24	66.1	63.2	0.0010
11191820	OP	12	4014	7,029	-0.2579	0.0267	0.79	-9.90	0.72	-9.90	0.59	0.39	78.7	69.1	0.0008
11191830	OP	13	1173	2,521	1.8622	0.0407	0.98	-3.03	0.97	-3.19	0.12	0.02	60.4	58.7	0.0011
11191840	OP	14	10622	23,322	0.7515	0.0143	0.94	-9.90	0.95	-7.58	0.40	0.34	71.2	66.9	-0.0110
11191850	OP	15	2348	5,668	0.3809	0.0276	0.95	-6.89	0.95	-6.63	0.20	0.10	64.3	60.9	0.0009
11191860	OP	16	2699	4,979	0.8503	0.0293	0.98	-3.47	0.97	-3.54	0.19	0.14	62.0	60.1	0.0010

ELA Grade 6															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11191870	OP	17	12418	19,194	-0.3201	0.0161	0.90	-9.90	0.87	-9.90	0.41	0.29	73.4	69.1	0.0009
11191880	OP	18	3227	6,588	1.2967	0.0252	0.98	-3.71	0.98	-3.16	0.14	0.09	60.8	58.5	0.0010
11191890	OP	19	6253	15,385	1.4149	0.0172	0.94	-9.90	0.94	-9.90	0.30	0.21	67.8	64.8	0.0010
11191900	OP	20	11587	17,851	0.1627	0.0164	0.93	-9.90	0.90	-9.90	0.34	0.23	70.2	67.1	0.0010
11191910	OP	21	204	651	-0.2799	0.0852	0.95	-1.49	0.94	-1.85	0.13	-0.05	68.8	68.7	0.0007
11191920	OP	22	5606	8,254	-0.6173	0.0247	0.90	-9.90	0.86	-9.90	0.39	0.23	74.3	70.1	0.0009
11191930	OP	23	1369	4,317	0.7501	0.0334	0.95	-4.15	0.95	-3.69	0.21	0.09	69.6	68.5	0.0009
11191940	OP	24	2448	4,088	-0.4701	0.0341	0.90	-9.15	0.85	-9.37	0.44	0.29	71.3	66.3	0.0008
11191950	OP	25	6255	10,021	0.0156	0.0222	0.87	-9.90	0.81	-9.90	0.48	0.32	73.6	68.2	0.0009
11191960	OP	26	19721	23,322	-1.4598	0.0192	0.87	-9.90	0.71	-9.90	0.42	0.25	85.2	84.9	0.0257
11191970	OP	27	519	1,206	-0.3083	0.0597	0.99	-0.85	0.98	-1.03	0.13	0.11	61.3	61.1	0.0007
11219090	OP	28	1247	1,739	0.1820	0.0566	0.89	-4.28	0.83	-4.82	0.42	0.28	75.8	73.5	0.0010
11223510	OP	29	20449	19,136	0.6050	0.0092	1.07	8.63	1.09	6.88	0.39	0.43	39.0	40.9	0.0010
11223520	OP	30	8036	9,787	0.8445	0.0157	0.84	-9.90	0.80	-9.90	0.65	0.55	59.5	55.5	0.0009
21048170	OP	31	1179	3,508	0.9200	0.0358	0.97	-2.79	0.96	-3.34	0.05	-0.17	66.4	66.4	0.0009
21048180	OP	32	8785	12,095	-0.6272	0.0220	0.94	-5.67	0.90	-6.26	0.38	0.32	76.3	74.9	-0.0014
21048190	OP	33	10278	23,322	0.8134	0.0143	1.03	6.22	1.04	6.27	0.30	0.34	65.5	67.1	-0.0024
21048200	OP	34	2303	4,476	1.3303	0.0306	1.04	6.75	1.05	7.03	0.01	0.09	53.6	58.6	0.0010
21048210	OP	35	1111	2,711	1.0408	0.0391	0.95	-6.93	0.95	-7.29	0.17	-0.21	59.5	59.0	0.0010
21048220	OP	36	729	1,461	-0.2021	0.0524	0.96	-9.90	0.96	-9.90	0.05	-0.27	63.9	52.5	0.0008
21048230	OP	37	7435	23,322	1.4310	0.0152	1.08	9.90	1.21	9.90	0.21	0.32	71.7	72.0	-0.0075
21048240	OP	38	683	2,182	-0.0423	0.0466	0.97	-1.93	0.96	-2.23	0.09	-0.05	68.7	68.7	0.0007
21048260	OP	39	157	474	0.2782	0.0977	0.97	-0.99	0.96	-1.22	-0.01	-0.32	66.9	66.9	0.0008
21052640	OP	40	161	428	-0.7647	0.1011	0.92	-3.01	0.91	-3.10	0.24	-0.02	66.8	62.7	0.0005
21052650	OP	41	120	286	-1.0464	0.1216	0.98	-0.57	0.98	-0.62	0.02	-0.01	59.1	59.5	0.0005
21052660	OP	42	168	375	-1.0413	0.1052	1.00	-0.02	1.00	0.08	-0.03	-0.02	56.0	57.5	0.0005
21052670	OP	43	112	380	-0.3456	0.1136	0.96	-0.84	0.94	-1.19	0.10	-0.04	70.5	70.5	0.0005
21052680	OP	44	153	417	-0.7250	0.1029	0.96	-1.23	0.96	-1.28	0.09	-0.02	65.9	63.5	0.0005
21052740	OP	45	36	109	0.1877	0.2044	0.94	-0.80	0.93	-1.02	0.13	-0.15	67.0	67.0	0.0007
21052800	OP	46	35	110	0.2476	0.2055	0.95	-0.63	0.94	-0.81	0.14	-0.15	68.2	68.2	0.0007
21052830	OP	47	31	106	0.3548	0.2142	0.94	-0.66	0.92	-0.88	0.19	-0.16	70.8	70.7	0.0007
21053060	OP	48	62	201	-0.0373	0.1536	0.94	-1.06	0.92	-1.37	0.18	-0.09	69.2	69.1	0.0006
21053070	OP	49	59	201	0.0345	0.1558	0.96	-0.57	0.95	-0.72	0.09	-0.09	70.6	70.6	0.0006

ELA Grade 6															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21053090	OP	50	69	189	-0.3096	0.1520	0.94	-1.40	0.93	-1.55	0.17	-0.10	64.6	63.6	0.0005
21053150	OP	51	64	186	-0.2168	0.1552	0.94	-1.12	0.93	-1.36	0.11	-0.10	66.1	65.6	0.0005
21053490	OP	52	52	119	-0.8076	0.1868	0.96	-1.23	0.95	-1.22	0.06	-0.08	61.3	57.2	0.0006
21053520	OP	53	27	108	0.0917	0.2235	0.97	-0.24	0.96	-0.33	0.04	-0.10	75.0	75.0	0.0006
21054970	OP	54	57	158	1.6059	0.1660	0.97	-0.63	0.96	-0.74	0.00	-0.22	63.9	63.9	0.0010
21055000	OP	55	147	176	-0.8780	0.2122	0.91	-0.60	0.88	-0.74	0.37	0.23	86.4	83.9	0.0010
21055240	OP	56	127	176	-0.1459	0.1755	0.88	-1.34	0.87	-1.46	0.42	0.21	79.0	75.2	0.0010
21055250	OP	57	77	158	1.0822	0.1595	0.96	-3.50	0.96	-3.50	0.06	-0.23	64.6	52.8	0.0010
21056870	OP	58	92	169	-0.3186	0.1556	0.97	-1.38	0.97	-1.41	0.07	-0.09	60.4	56.2	0.0008
21056960	OP	59	73	169	0.1397	0.1564	0.94	-2.11	0.94	-2.16	0.17	-0.09	62.7	57.3	0.0008
21056970	OP	60	83	168	-0.1153	0.1554	0.98	-0.91	0.98	-0.88	-0.01	-0.09	57.7	55.0	0.0008
21071200	OP	61	12249	23,322	0.4156	0.0143	1.02	3.56	1.02	2.89	0.32	0.34	65.6	66.6	-0.0061
21071210	OP	62	14868	23,322	-0.1559	0.0148	1.00	-0.12	1.04	4.31	0.33	0.33	70.7	69.9	0.0190
21071220	OP	63	17660	23,322	-0.8294	0.0164	0.90	-9.90	0.82	-9.90	0.42	0.30	78.9	77.3	0.0288
21071230	OP	64	12479	23,322	0.3616	0.0143	1.02	3.96	1.05	7.07	0.31	0.34	66.9	66.7	0.0010
21071240	OP	65	16184	23,322	-0.4673	0.0154	0.88	-9.90	0.79	-9.90	0.47	0.32	75.3	73.0	0.0342
21071250	OP	66	14001	23,322	0.0481	0.0145	1.03	5.31	1.05	6.43	0.30	0.34	67.4	68.2	0.0001
21071260	OP	67	10413	23,322	0.7898	0.0143	1.00	0.54	1.03	3.91	0.33	0.34	68.0	67.0	-0.0065
21071270	OP	68	4426	8,098	0.4421	0.0241	0.95	-6.74	0.93	-6.74	0.38	0.32	69.6	66.1	0.0009
21071280	OP	69	14735	23,322	-0.1082	0.0147	0.96	-7.45	0.92	-9.06	0.38	0.33	70.7	69.5	–
21071290	OP	70	1915	3,702	-0.7782	0.0335	0.95	-8.22	0.95	-8.16	0.19	0.05	62.5	57.9	0.0007
21071300	OP	71	1742	4,068	-0.2683	0.0329	0.98	-2.55	0.96	-3.14	0.23	0.19	63.7	62.1	0.0007
21071330	OP	72	2532	5,182	1.0633	0.0293	1.00	0.43	1.00	0.26	0.26	0.25	62.0	63.2	0.0010
21071340	OP	73	734	1,798	1.0659	0.0482	0.96	-3.62	0.96	-3.83	0.10	-0.07	60.9	59.3	0.0010
21072160	OP	74	1277	1,537	-0.4646	0.0754	1.04	0.74	0.95	-0.66	0.37	0.39	83.7	84.7	0.0010
21072170	OP	75	77	221	-0.0514	0.1417	0.95	-1.23	0.93	-1.46	0.14	-0.18	65.2	65.1	0.0007
21072180	OP	76	84	221	-0.1893	0.1391	0.95	-1.47	0.94	-1.64	0.12	-0.18	61.5	62.0	0.0007
21072190	OP	77	1366	1,999	1.1006	0.0491	0.94	-3.26	0.92	-3.54	0.23	0.06	69.3	68.4	0.0011
21074370	OP	78	1165	4,139	2.3281	0.0359	0.93	-4.45	0.90	-5.11	0.32	0.17	74.9	73.3	0.0010
21074380	OP	79	6831	11,474	-0.0682	0.0207	0.87	-9.90	0.83	-9.90	0.49	0.34	74.0	68.3	0.0009
21074390	OP	80	10025	15,467	-0.0477	0.0174	0.95	-7.91	0.94	-8.77	0.27	0.17	68.2	66.1	0.0010
21074400	OP	81	1780	3,691	1.5319	0.0346	1.03	2.85	1.04	3.51	0.17	0.22	62.0	62.4	0.0010
21074410	OP	82	3294	6,382	0.4334	0.0257	0.97	-5.96	0.98	-3.12	0.21	0.12	61.7	59.1	0.0009

ELA Grade 6															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21074420	OP	83	1609	3,834	-0.2448	0.0334	0.93	-8.82	0.92	-8.67	0.26	0.09	65.8	60.5	0.0007
21074450	OP	84	2745	6,369	1.4319	0.0256	0.96	-7.46	0.96	-7.75	0.14	0.01	62.1	59.0	0.0010
21074460	OP	85	1619	3,210	1.4967	0.0369	0.95	-4.68	0.95	-4.30	0.27	0.20	65.3	61.8	0.0010
21074470	OP	86	1025	2,691	-0.3087	0.0404	0.94	-5.33	0.93	-5.15	0.21	0.05	67.5	62.4	0.0007
21074480	OP	87	269	544	-0.4450	0.1002	0.91	-2.62	0.74	-2.44	0.54	0.49	73.9	71.1	0.0006
21074490	OP	88	2597	5,440	-0.1919	0.0278	0.98	-4.22	0.98	-3.83	0.16	0.09	61.1	58.4	0.0008
21074500	OP	89	5113	12,095	0.9425	0.0202	1.03	3.59	1.07	6.56	0.32	0.35	68.1	68.4	-0.0400
21074530	OP	90	903	2,458	2.2333	0.0432	1.00	0.28	1.00	0.04	0.14	0.12	66.0	66.3	0.0010
21074550	OP	91	481	1,178	0.4943	0.0595	0.95	-3.84	0.95	-3.96	0.12	-0.13	60.7	59.2	0.0009
21074560	OP	92	2180	4,273	0.0965	0.0308	0.97	-8.81	0.97	-8.82	0.04	-0.08	59.1	54.8	0.0009
21074570	OP	93	1000	2,247	0.7370	0.0427	0.95	-7.51	0.95	-7.55	0.13	-0.09	60.3	56.2	0.0010
21074580	OP	94	221	531	0.0162	0.1082	1.09	1.71	1.23	2.17	0.50	0.55	74.4	77.9	0.0007
21074590	OP	95	980	2,583	0.1251	0.0410	0.94	-5.29	0.94	-5.60	0.18	-0.02	64.0	62.2	0.0008
21074600	OP	96	3095	5,799	-0.4420	0.0269	0.95	-8.74	0.95	-8.74	0.21	0.09	63.5	59.1	0.0008
21074610	OP	97	8130	12,095	-0.3390	0.0211	0.90	-9.90	0.83	-9.90	0.45	0.34	74.3	71.8	0.0127
21074620	OP	98	2944	6,692	0.8300	0.0254	0.99	-2.07	0.99	-1.98	0.18	0.15	61.7	61.4	0.0010
21074630	OP	99	1585	3,823	0.3377	0.0331	0.95	-7.75	0.95	-7.98	0.15	-0.06	62.3	58.9	0.0008
21074640	OP	100	2036	6,472	0.8268	0.0275	0.98	-1.92	1.02	1.40	0.19	0.15	70.7	68.7	0.0009
21074650	OP	101	639	1,682	-0.5047	0.0509	0.95	-3.92	0.94	-4.09	0.17	0.00	65.2	62.5	0.0007
21074660	OP	102	82	258	-0.3113	0.1356	0.93	-1.42	0.91	-1.65	0.23	-0.01	69.4	68.3	0.0005
21074670	OP	103	1420	1,903	0.3010	0.0547	0.89	-4.16	0.84	-4.77	0.39	0.20	77.0	75.2	0.0010
21074680	OP	104	428	784	0.0459	0.0744	1.00	-0.06	1.00	0.09	0.17	0.18	61.1	61.3	0.0009
21074690	OP	105	763	2,223	0.0306	0.0453	0.97	-1.88	0.97	-2.08	0.13	0.05	66.8	66.0	0.0007
21074810	OP	106	8225	12,095	-0.3710	0.0211	0.85	-9.90	0.76	-9.90	0.50	0.34	76.9	72.1	0.0024
21074820	OP	107	7277	12,095	0.0619	0.0202	0.99	-1.76	0.99	-0.81	0.36	0.35	69.1	68.6	-0.0263
21074850	OP	108	138	245	-0.4600	0.1538	1.00	0.04	1.17	0.83	0.51	0.52	71.0	72.1	0.0007
21074870	OP	109	125	390	0.6860	0.1088	0.95	-1.27	0.94	-1.62	0.16	-0.20	67.9	67.9	0.0009
21077400	OP	110	86	221	-0.2279	0.1385	0.97	-0.92	0.97	-1.00	-0.01	-0.18	61.5	61.1	0.0007
21077410	OP	111	965	1,999	1.9813	0.0460	0.98	-1.78	0.98	-1.72	0.13	0.07	60.9	59.5	0.0011
21077450	OP	112	642	1,998	2.6982	0.0492	0.96	-2.11	0.94	-2.57	0.19	0.08	68.8	68.9	0.0011
21077480	OP	113	286	502	-1.1023	0.0931	0.92	-3.26	0.91	-3.01	0.30	0.16	68.1	61.2	0.0007
21077490	OP	114	165	204	0.5585	0.1810	1.01	0.14	0.96	-0.30	0.04	0.05	80.4	81.2	0.0011
21077500	OP	115	8192	11,227	-0.6206	0.0227	0.95	-5.05	0.93	-4.38	0.35	0.30	76.7	74.8	-0.0008

ELA Grade 6															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21077510	OP	116	81	203	2.4878	0.1458	1.06	1.55	1.07	1.61	-0.14	-0.02	60.1	61.7	0.0011
21096450	OP	117	13536	11,227	0.0764	0.0145	1.17	9.90	1.20	9.90	0.28	0.43	45.8	51.2	-0.0213
21096470	OP	118	26929	23,322	0.1315	0.0105	1.14	9.90	1.14	9.90	0.34	0.43	53.9	54.0	0.0044
21096490	OP	119	22079	23,322	0.6735	0.0110	1.04	5.02	1.04	5.30	0.40	0.42	54.6	57.6	0.0071
21106460	OP	120	16693	19,174	0.7268	0.0124	1.17	9.90	1.19	9.90	0.26	0.40	55.2	58.6	0.0009
21107100	OP	121	3620	6,814	0.8214	0.0247	0.94	-9.90	0.94	-9.90	0.22	0.05	63.5	57.4	0.0010
21107110	OP	122	640	1,609	0.2118	0.0512	0.96	-3.81	0.95	-4.01	0.09	-0.12	61.8	60.3	0.0008
21107240	OP	123	12852	12,095	0.3888	0.0154	1.09	7.57	1.08	7.40	0.38	0.43	57.4	57.7	-0.0372
21107300	OP	124	6799	5,314	0.3013	0.0264	1.08	4.76	1.09	5.03	0.24	0.33	60.3	63.2	0.0010
21107550	OP	125	7637	11,227	1.4275	0.0163	1.43	9.90	1.50	9.90	0.01	0.38	48.7	58.3	0.0047
21107580	OP	126	6059	16,462	1.9877	0.0124	1.20	9.90	2.23	9.90	0.23	0.37	64.1	68.7	0.0010
21107600	OP	127	19767	23,096	0.7797	0.0090	1.19	9.90	1.27	9.90	0.37	0.48	43.1	47.3	0.0009
21107740	OP	128	19332	21,290	0.7937	0.0092	1.13	9.90	1.22	9.90	0.37	0.47	41.2	45.0	0.0010
21107750	OP	129	24527	23,301	0.4361	0.0087	1.13	9.90	1.21	9.90	0.42	0.50	44.1	47.2	0.0009
21108160	OP	130	6931	6,806	-0.3857	0.0146	0.83	-9.90	0.81	-9.90	0.40	0.15	27.4	25.9	0.0008
21108180	OP	131	16913	11,406	-0.5298	0.0139	0.94	-4.30	0.93	-2.48	0.49	0.45	62.9	60.6	0.0008
21108190	OP	132	10180	12,095	0.9626	0.0143	1.10	8.54	1.09	7.00	0.41	0.46	50.5	53.0	-0.0520
21108220	OP	133	11521	15,516	0.9844	0.0100	1.05	5.42	1.03	2.73	0.25	0.29	34.4	38.0	0.0010
21108440	OP	134	472	970	0.9460	0.0654	0.92	-7.13	0.91	-7.12	0.30	0.07	67.1	57.5	0.0010
11189060	FT	4	217	1,147	2.2553	0.0803	0.93	-1.63	0.85	-2.05	0.38	0.29	82.3	81.6	0.0003
11191450	FT	5	62	1,164	3.7361	0.1335	1.02	0.19	1.40	2.14	0.11	0.16	94.7	94.7	0.0003
11191460	FT	6	899	1,144	-1.0368	0.0769	0.89	-2.78	0.77	-3.71	0.44	0.30	80.6	79.2	0.0004
11191500	FT	7	1302	2,538	0.3558	0.0432	1.09	5.88	1.13	6.12	0.26	0.35	63.6	66.7	0.0003
11191510	FT	8	925	1,586	0.0325	0.0554	0.98	-0.82	0.99	-0.23	0.37	0.35	68.7	68.0	0.0003
11191540	FT	9	1063	1,374	-1.0594	0.0686	0.85	-4.28	0.73	-5.20	0.47	0.29	79.3	78.0	0.0004
11202130	FT	34	776	1,141	-0.3417	0.0684	1.02	0.82	1.01	0.28	0.31	0.33	70.6	71.7	0.0004
11202210	FT	35	782	1,167	-0.2813	0.0674	0.95	-1.79	0.90	-2.33	0.40	0.34	71.9	71.5	0.0004
11202240	FT	36	907	1,280	-0.5772	0.0663	1.02	0.63	1.04	0.93	0.31	0.33	73.0	73.6	0.0004
11202330	FT	37	543	1,161	0.6937	0.0638	1.09	4.03	1.13	4.14	0.25	0.34	61.8	66.3	0.0003
11202340	FT	38	800	1,155	-0.4076	0.0688	1.05	1.72	1.20	4.06	0.25	0.33	73.3	72.7	0.0004
11202380	FT	39	1037	1,216	0.8455	0.0435	1.04	1.06	1.03	0.72	0.45	0.48	46.9	50.8	0.0004
11202540	FT	40	912	1,173	-0.9503	0.0750	0.91	-2.32	0.84	-2.55	0.41	0.30	80.3	78.5	0.0004
11202560	FT	41	562	1,303	0.8516	0.0605	1.06	2.72	1.09	3.16	0.27	0.33	64.5	66.9	0.0003

ELA Grade 6															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11202670	FT	42	815	1,235	-0.2580	0.0645	1.09	3.39	1.14	3.49	0.22	0.32	67.4	70.4	0.0004
11202920	FT	43	441	2,113	1.9838	0.0571	1.15	4.62	1.49	8.41	0.10	0.30	78.5	79.9	0.0003
11202950	FT	44	1525	1,753	0.7013	0.0339	1.18	6.22	1.27	6.70	0.40	0.50	44.5	48.6	0.0004
11203110	FT	45	851	1,304	-0.3019	0.0631	0.98	-0.67	0.97	-0.80	0.37	0.34	71.2	70.7	0.0004
11203150	FT	46	387	1,220	2.1469	0.0549	1.30	5.23	1.86	8.59	0.13	0.38	65.7	72.9	0.0003
11203330	FT	47	1170	2,486	0.5574	0.0437	1.02	1.21	1.02	1.16	0.33	0.35	66.3	66.8	0.0003
11203340	FT	48	1852	2,861	-0.3126	0.0422	1.02	1.28	1.03	1.22	0.30	0.32	69.3	69.7	0.0003
11203350	FT	49	1284	1,510	-1.5019	0.0758	0.86	-3.10	0.68	-4.61	0.43	0.26	85.6	85.1	0.0004
11203360	FT	50	1469	2,130	-0.5589	0.0507	0.97	-1.48	0.99	-0.14	0.36	0.33	75.5	72.4	0.0003
11203370	FT	51	1186	1,487	-1.1063	0.0686	0.91	-2.35	0.84	-2.76	0.39	0.29	80.8	80.2	0.0004
11203380	FT	52	614	2,692	1.8742	0.0491	1.07	2.81	1.20	4.71	0.21	0.30	76.6	78.3	0.0003
11203520	FT	53	800	1,219	1.5095	0.0509	1.14	3.65	1.15	3.82	0.30	0.41	56.3	60.0	0.0004
11203530	FT	54	607	1,173	0.4648	0.0632	1.17	7.24	1.20	6.80	0.16	0.34	57.4	66.1	0.0003
11203630	FT	55	972	1,213	0.8095	0.0401	1.14	4.06	1.20	3.82	0.41	0.50	42.8	48.7	0.0004
11203720	FT	56	1093	1,301	0.9136	0.0455	1.12	3.51	1.13	3.79	0.35	0.44	50.7	55.6	0.0004
11203890	FT	57	624	1,155	0.3520	0.0640	1.03	1.23	1.04	1.31	0.31	0.34	64.7	66.4	0.0003
11203910	FT	58	538	1,159	0.6904	0.0639	1.11	4.96	1.13	4.33	0.23	0.34	60.1	66.5	0.0003
11217240	FT	59	1670	1,198	-0.2510	0.0418	0.88	-3.17	0.79	-3.38	0.57	0.48	59.1	56.4	0.0004
11217250	FT	60	855	1,175	-0.5819	0.0700	0.89	-3.59	0.82	-3.63	0.45	0.31	78.7	74.7	0.0003
11217260	FT	61	727	1,147	-0.1017	0.0664	0.93	-2.65	0.93	-1.95	0.42	0.34	72.8	69.7	0.0003
11217270	FT	62	624	1,137	0.3386	0.0651	0.95	-1.97	0.92	-2.55	0.42	0.36	69.1	67.6	0.0003
11217290	FT	63	1042	1,176	0.8385	0.0461	1.02	0.72	1.03	0.80	0.44	0.44	54.6	53.1	0.0003
11217300	FT	64	884	1,130	-0.9317	0.0768	0.88	-2.90	0.80	-3.15	0.44	0.30	80.7	79.1	0.0003
11217310	FT	65	123	1,136	2.9875	0.1001	1.03	0.50	1.37	2.88	0.16	0.23	89.3	89.3	0.0002
11217320	FT	66	993	1,182	0.8912	0.0399	1.25	6.80	1.39	6.85	0.35	0.50	40.9	48.2	0.0003
11217330	FT	67	1862	1,183	-0.9689	0.0539	0.92	-2.03	0.90	-1.82	0.45	0.38	70.0	65.6	0.0004
11217360	FT	68	935	1,145	-1.1730	0.0810	0.87	-2.99	0.72	-3.92	0.45	0.29	82.4	81.9	0.0003
11217370	FT	69	1279	1,188	0.4406	0.0407	1.18	4.98	1.20	4.22	0.40	0.50	44.2	47.9	0.0003
11219620	FT	71	838	1,152	-0.5336	0.0705	0.96	-1.33	0.96	-0.78	0.35	0.30	77.1	74.5	0.0003
11219630	FT	72	1338	1,177	0.2297	0.0481	0.93	-2.08	0.93	-2.12	0.47	0.40	59.4	56.1	0.0003
11219640	FT	73	445	1,132	1.0971	0.0654	0.93	-3.18	0.96	-1.20	0.40	0.32	73.2	67.6	0.0003
11219660	FT	74	719	1,131	-0.0737	0.0665	0.89	-4.60	0.84	-4.63	0.47	0.32	73.5	69.1	0.0003
11219680	FT	75	991	1,151	-1.5226	0.0892	0.85	-2.76	0.67	-3.97	0.45	0.25	86.3	86.2	0.0005

ELA Grade 6															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11219690	FT	76	806	1,133	-0.5075	0.0703	1.00	-0.01	0.99	-0.23	0.32	0.31	73.3	73.6	0.0004
11219700	FT	77	739	1,138	-0.1599	0.0670	0.92	-2.88	0.91	-2.40	0.42	0.33	75.0	70.2	0.0004
11219710	FT	78	621	1,132	0.3100	0.0643	1.11	4.71	1.14	4.65	0.21	0.32	61.2	66.0	0.0004
11219830	FT	79	683	1,137	0.0884	0.0656	0.78	-9.62	0.74	-8.48	0.59	0.34	79.7	68.1	0.0004
11219840	FT	80	1429	1,178	0.1953	0.0382	1.05	1.48	1.06	0.88	0.48	0.50	46.9	48.7	0.0005
11219850	FT	81	906	1,129	-1.0346	0.0793	0.83	-3.93	0.66	-5.37	0.50	0.28	82.3	80.8	0.0004
11219860	FT	82	830	1,133	-0.6149	0.0718	0.85	-4.64	0.77	-4.80	0.50	0.31	78.3	75.1	0.0004
11219890	FT	83	1415	1,185	0.1905	0.0412	1.10	2.97	1.19	3.91	0.43	0.49	46.6	48.9	0.0004
11219980	FT	84	935	1,181	0.9389	0.0378	1.21	5.70	1.42	5.66	0.37	0.49	42.2	47.8	0.0003
11220220	FT	85	575	1,183	0.6035	0.0628	1.09	3.90	1.11	3.92	0.23	0.33	61.8	65.8	0.0004
11220370	FT	86	968	1,142	-1.4414	0.0865	0.84	-3.13	0.64	-4.61	0.45	0.25	85.6	84.9	0.0004
11220420	FT	87	1070	1,191	0.7255	0.0409	1.12	3.47	1.15	3.51	0.39	0.47	44.1	46.5	0.0004
11220440	FT	88	768	1,133	-0.3685	0.0683	0.85	-5.43	0.78	-5.50	0.50	0.32	76.8	71.5	0.0004
11220470	FT	89	444	1,127	1.0077	0.0657	0.98	-0.99	1.00	-0.03	0.35	0.32	70.8	68.0	0.0003
11220480	FT	90	236	1,173	2.6305	0.0657	1.12	1.73	1.69	5.31	0.14	0.30	79.0	81.9	0.0003
11220720	FT	91	839	1,184	1.1334	0.0417	1.27	7.12	1.38	6.81	0.28	0.46	39.8	50.4	0.0003
11220790	FT	92	729	1,172	-0.1021	0.0651	0.92	-3.20	0.88	-3.27	0.43	0.34	72.2	68.7	0.0004
11220810	FT	93	652	1,189	1.4139	0.0439	1.53	9.90	2.21	9.90	0.05	0.43	44.4	57.5	0.0003
11220820	FT	94	504	1,145	0.7391	0.0645	1.05	2.35	1.07	2.26	0.29	0.34	62.9	66.8	0.0003
11220830	FT	95	676	1,144	0.0478	0.0651	0.96	-1.67	0.94	-1.87	0.39	0.34	69.7	67.9	0.0004
11221060	FT	96	1187	1,180	0.5865	0.0434	1.10	3.11	1.11	3.00	0.37	0.44	46.1	49.0	0.0003
11221460	FT	97	600	1,128	0.4299	0.0644	1.11	5.00	1.15	4.90	0.20	0.33	61.3	65.8	0.0003
11221630	FT	98	505	1,134	0.7426	0.0647	0.79	-9.90	0.75	-9.09	0.59	0.34	76.8	66.6	0.0003
11221900	FT	99	792	1,183	1.3330	0.0481	1.23	6.07	1.26	6.12	0.23	0.42	45.1	56.6	0.0003
11221970	FT	100	1154	1,175	0.6008	0.0446	1.03	0.82	1.03	0.95	0.45	0.46	52.3	51.1	0.0004
11222030	FT	101	749	1,133	-0.2723	0.0676	0.91	-3.28	0.86	-3.54	0.43	0.32	73.1	70.5	0.0004
11222090	FT	102	1043	1,207	0.7631	0.0409	1.22	6.28	1.31	6.76	0.35	0.48	41.5	47.7	0.0003
11222110	FT	103	650	1,140	0.2395	0.0649	0.91	-4.06	0.90	-3.25	0.45	0.34	72.5	67.4	0.0004
11222130	FT	104	760	1,130	-0.2333	0.0684	0.95	-1.82	0.90	-2.42	0.40	0.33	72.4	71.5	0.0004
11222190	FT	105	670	1,135	0.1294	0.0652	0.88	-5.26	0.84	-5.27	0.48	0.33	72.7	67.6	0.0004
11222240	FT	106	753	1,151	-0.1853	0.0666	0.97	-0.99	0.95	-1.40	0.36	0.32	70.2	70.0	0.0004
11222300	FT	107	888	1,186	1.0976	0.0424	1.16	4.43	1.28	5.53	0.37	0.47	46.1	50.6	0.0004
11222420	FT	108	582	1,138	0.4654	0.0644	1.16	6.63	1.22	7.24	0.18	0.34	58.8	66.4	0.0003

ELA Grade 6															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11222620	FT	109	995	1,177	0.8970	0.0425	1.14	3.90	1.16	3.80	0.38	0.46	45.6	48.1	0.0004
11222720	FT	110	130	1,139	2.8501	0.0973	0.93	-1.00	0.75	-2.53	0.33	0.23	88.8	88.6	0.0003
11222840	FT	111	744	1,141	-0.1767	0.0671	1.02	0.78	1.05	1.25	0.31	0.33	70.6	70.2	0.0004
11222890	FT	112	784	1,140	-0.3747	0.0689	0.91	-3.15	0.83	-4.01	0.44	0.33	73.8	72.3	0.0004
11222970	FT	113	660	1,151	0.1936	0.0646	0.94	-2.74	0.92	-2.55	0.42	0.34	69.2	67.2	0.0004
11223040	FT	114	657	1,133	0.2171	0.0649	0.98	-0.97	0.95	-1.59	0.37	0.33	66.5	66.7	0.0004
11223200	FT	115	756	1,113	-0.2839	0.0691	0.94	-2.00	0.90	-2.34	0.40	0.32	71.6	71.6	0.0004
11223300	FT	116	415	1,124	1.2146	0.0668	1.08	3.15	1.13	3.25	0.24	0.33	65.2	69.2	0.0004
11223340	FT	117	624	1,130	0.3223	0.0649	0.91	-4.20	0.87	-4.24	0.45	0.34	72.4	66.6	0.0004
11223350	FT	118	674	1,130	0.1048	0.0656	0.82	-8.17	0.78	-7.01	0.55	0.34	76.4	67.8	0.0004
11223420	FT	119	612	1,127	0.3505	0.0649	0.92	-3.45	0.89	-3.52	0.44	0.34	70.0	66.5	0.0004
11223430	FT	120	457	1,144	1.0446	0.0653	1.16	6.10	1.25	6.85	0.16	0.34	62.0	67.9	0.0004
11223840	FT	123	1599	1,229	-0.1830	0.0401	0.96	-1.03	0.89	-1.64	0.55	0.52	56.0	54.0	0.0005
11223850	FT	124	675	1,283	0.3205	0.0610	0.82	-8.77	0.78	-7.99	0.56	0.36	75.4	67.0	0.0003
11223860	FT	125	446	1,184	1.1009	0.0650	1.10	3.77	1.19	5.04	0.23	0.34	66.4	68.9	0.0003
11223910	FT	126	375	1,275	1.4613	0.0663	1.21	6.46	1.34	6.70	0.11	0.33	68.4	73.4	0.0003
11223930	FT	127	587	1,611	1.1157	0.0557	1.11	4.73	1.20	6.02	0.20	0.32	67.0	69.1	0.0003

Table J.5. IRT Item-Level Statistics—ELA Grade 7

ELA Grade 7															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21048370	OP	1	12835	20,676	-0.0494	0.0156	0.90	-9.90	0.86	-9.90	0.46	0.34	73.3	69.3	0.0008
21048380	OP	2	5347	11,530	0.8619	0.0205	0.97	-3.52	0.98	-2.11	0.38	0.36	69.8	67.8	-0.0097
21048390	OP	3	8641	12,203	-0.5219	0.0220	0.96	-3.73	0.90	-5.53	0.43	0.38	75.5	74.9	0.0006
21048400	OP	4	7698	11,530	-0.1661	0.0215	0.91	-9.90	0.87	-9.38	0.44	0.35	75.2	71.7	0.0070
21048410	OP	5	10335	22,965	0.9472	0.0147	0.91	-9.90	0.91	-9.90	0.46	0.38	73.5	68.6	-0.0124
21048420	OP	6	11417	22,965	0.6876	0.0146	1.02	3.97	1.04	4.92	0.35	0.38	67.9	68.3	0.0154
21048430	OP	7	12695	22,965	0.4180	0.0147	1.01	1.21	0.99	-0.99	0.37	0.38	68.0	68.7	0.0117
21048440	OP	8	14233	22,195	0.0482	0.0153	0.99	-2.34	0.97	-2.92	0.37	0.35	70.9	70.3	0.0008
21048450	OP	9	9889	22,965	1.0157	0.0147	1.04	7.61	1.09	9.90	0.32	0.37	68.1	68.9	0.0151
21050590	OP	10	46	182	-0.2643	0.1721	0.97	-0.27	0.95	-0.48	0.03	-0.05	74.7	74.7	-0.0001

ELA Grade 7															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21050640	OP	11	80	211	-0.7944	0.1439	0.96	-1.06	0.95	-1.10	0.10	-0.02	65.9	62.6	-0.0001
21050650	OP	12	53	116	-0.9081	0.1879	0.90	-3.78	0.89	-3.78	0.27	-0.14	69.0	56.2	-0.0001
21050670	OP	13	95	210	-1.1061	0.1407	0.96	-1.39	0.96	-1.42	0.07	-0.02	61.9	57.8	-0.0001
21050720	OP	14	57	165	-0.5961	0.1658	1.02	0.39	1.03	0.53	-0.10	-0.03	66.7	65.5	-0.0001
21051900	OP	15	77	169	-1.2602	0.1563	0.92	-2.94	0.92	-2.82	0.20	-0.07	66.3	56.9	-0.0001
21051920	OP	16	8539	11,434	-0.6219	0.0234	1.03	2.99	1.18	7.93	0.30	0.35	77.1	76.7	0.0006
21051930	OP	17	103	357	-0.4099	0.1178	0.96	-0.82	0.95	-0.90	0.08	-0.09	71.1	71.1	0.0002
21051940	OP	18	4116	7,849	1.0700	0.0244	1.04	4.31	1.05	4.36	0.27	0.30	63.7	65.5	0.0006
21052060	OP	19	185	640	-0.2316	0.0881	0.98	-0.58	0.98	-0.55	0.06	-0.05	71.3	71.1	0.0003
21052170	OP	20	1824	4,527	0.5939	0.0327	1.05	3.91	1.06	3.58	0.27	0.32	66.9	68.5	0.0006
21052230	OP	21	6647	10,925	0.2495	0.0215	0.94	-6.80	0.95	-4.19	0.42	0.36	72.3	69.5	0.0006
21052240	OP	22	5991	10,109	0.1887	0.0224	0.97	-3.66	0.93	-4.79	0.42	0.38	70.3	69.5	0.0006
21071370	OP	23	16023	22,965	-0.3480	0.0157	0.92	-9.90	0.82	-9.90	0.45	0.35	74.7	73.7	0.0230
21071380	OP	24	9441	22,965	1.1370	0.0148	0.98	-3.39	0.98	-2.37	0.39	0.37	70.3	69.4	-0.0081
21071410	OP	25	9472	22,965	1.1314	0.0148	1.01	1.45	1.05	6.13	0.35	0.37	70.5	69.4	-0.0093
21071430	OP	26	2135	4,318	-0.1275	0.0319	0.94	-6.90	0.93	-6.81	0.33	0.22	66.3	62.6	0.0008
21071440	OP	27	91	358	-0.0610	0.1229	0.97	-0.53	0.95	-0.68	0.10	0.00	74.9	74.8	0.0008
21071470	OP	28	2457	4,313	1.3230	0.0318	0.96	-4.87	0.95	-4.97	0.21	0.13	64.8	61.4	0.0007
21071480	OP	29	8742	15,579	0.7351	0.0175	0.89	-9.90	0.86	-9.90	0.47	0.33	72.8	67.3	0.0008
21071500	OP	30	5727	11,530	0.7032	0.0205	1.09	9.90	1.11	9.90	0.26	0.36	63.6	67.6	-0.0103
21071510	OP	31	8295	11,530	-0.3945	0.0222	0.94	-6.38	0.92	-4.78	0.37	0.33	76.1	73.9	-0.0534
21071550	OP	32	2766	4,152	-0.6865	0.0350	0.98	-1.77	0.95	-2.44	0.31	0.28	70.5	69.5	0.0009
21071560	OP	33	6129	11,530	0.5382	0.0205	1.13	9.90	1.17	9.90	0.21	0.36	62.1	67.7	-0.0137
21072320	OP	34	12444	22,965	0.4699	0.0146	1.12	9.90	1.14	9.90	0.26	0.38	63.3	68.5	0.0138
21072330	OP	35	17066	22,965	-0.6010	0.0164	1.01	1.30	1.01	0.79	0.32	0.33	76.5	76.4	0.0083
21072340	OP	36	13367	22,965	0.2768	0.0148	1.07	9.90	1.10	9.90	0.30	0.37	66.4	69.2	0.0075
21072350	OP	37	15942	22,965	-0.3141	0.0157	1.01	1.58	1.02	1.84	0.34	0.35	73.6	73.4	0.0089
21072370	OP	38	1643	3,507	1.9111	0.0357	1.04	4.02	1.05	3.64	0.14	0.21	59.5	63.3	0.0006
21073820	OP	39	1198	2,299	0.6523	0.0425	0.96	-4.98	0.96	-5.00	0.17	0.06	60.5	57.7	0.0006
21073830	OP	40	894	2,154	1.1251	0.0445	0.97	-3.19	0.96	-3.41	0.15	0.06	62.2	60.7	0.0006
21073840	OP	41	75	173	0.5292	0.1542	0.95	-2.17	0.94	-2.24	0.15	-0.12	61.3	57.0	0.0006
21073850	OP	42	475	1,348	1.5805	0.0577	0.97	-1.86	0.96	-2.07	0.12	0.01	66.5	65.2	0.0006
21073870	OP	43	409	867	0.5458	0.0686	0.94	-6.53	0.94	-6.49	0.20	-0.05	63.7	55.6	0.0006

ELA Grade 7															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21073880	OP	44	64	112	0.0694	0.1930	0.96	-1.10	0.96	-1.13	0.14	0.00	61.6	59.0	0.0006
21073890	OP	45	218	1,303	4.1150	0.0772	1.06	1.29	2.97	9.90	-0.02	0.16	84.0	83.4	0.0006
21073900	OP	46	3382	7,086	-0.1504	0.0244	0.93	-9.90	0.93	-9.90	0.27	0.10	65.0	59.3	0.0007
21073910	OP	47	343	1,274	0.7918	0.0645	1.02	0.78	1.03	0.95	0.06	0.11	73.3	73.2	0.0006
21073920	OP	48	1664	5,787	0.6558	0.0295	0.95	-4.17	0.93	-5.06	0.21	0.06	71.6	71.2	0.0007
21073930	OP	49	3197	8,689	0.6920	0.0247	1.06	5.74	1.10	6.55	0.32	0.38	71.5	72.5	0.0008
21073940	OP	50	1161	2,386	0.1972	0.0414	0.95	-7.96	0.95	-6.95	0.17	0.00	64.0	55.7	0.0007
21073950	OP	51	79	155	0.5238	0.1612	0.95	-4.32	0.94	-4.30	0.17	-0.19	70.3	53.2	0.0008
21073960	OP	52	564	1,119	2.5748	0.0616	0.96	-3.09	0.97	-1.68	0.12	0.03	63.3	59.3	0.0006
21073970	OP	53	5195	6,767	-0.4998	0.0311	0.89	-6.53	0.82	-8.36	0.46	0.32	81.7	79.6	0.0010
21073980	OP	54	185	464	-0.8071	0.0959	0.92	-3.54	0.91	-3.69	0.22	-0.07	65.3	60.8	0.0007
21074150	OP	55	967	1,577	-0.7373	0.0579	0.89	-5.06	0.81	-5.17	0.50	0.40	74.4	70.3	0.0008
21074180	OP	56	961	2,552	1.2703	0.0412	0.95	-4.91	0.94	-5.33	0.17	-0.05	63.7	62.4	0.0010
21074190	OP	57	334	963	-0.2345	0.0698	1.00	-0.10	0.99	-0.37	0.15	0.13	67.3	67.5	0.0008
21074340	OP	58	9509	11,435	-1.1795	0.0264	0.79	-9.90	0.58	-9.90	0.49	0.30	84.9	83.0	-0.0441
21074360	OP	59	6692	11,435	0.2615	0.0211	1.00	-0.01	0.99	-1.15	0.38	0.39	69.6	69.9	0.0133
21074440	OP	60	1399	3,522	0.2077	0.0358	0.99	-1.26	0.99	-0.68	0.21	0.19	66.0	64.3	0.0006
21074510	OP	61	6789	11,435	0.2695	0.0211	0.98	-2.27	0.97	-2.55	0.39	0.39	70.9	69.9	-0.0383
21074520	OP	62	6654	11,435	0.3174	0.0211	0.94	-6.93	0.94	-4.79	0.43	0.39	72.8	69.7	-0.0259
21074700	OP	63	5810	11,435	0.6775	0.0209	1.03	3.98	1.05	4.02	0.35	0.39	67.7	68.9	-0.0159
21074710	OP	64	864	2,457	2.5825	0.0445	1.07	3.80	1.08	3.64	0.11	0.21	64.4	68.2	0.0006
21074730	OP	65	5293	10,120	-0.2690	0.0207	0.95	-8.75	0.95	-8.71	0.28	0.19	65.0	61.8	0.0008
21074740	OP	66	3150	9,726	2.4069	0.0226	1.07	7.43	1.10	8.42	0.06	0.17	67.8	69.7	0.0008
21074750	OP	67	15983	20,832	-0.7427	0.0177	0.82	-9.90	0.69	-9.90	0.52	0.32	80.9	77.8	0.0008
21074760	OP	68	1108	2,010	1.3537	0.0457	0.99	-1.03	0.99	-0.82	0.08	0.03	61.1	58.4	0.0007
21074770	OP	69	1227	2,619	0.6650	0.0396	0.98	-2.95	0.98	-2.99	0.04	-0.01	58.8	56.7	0.0006
21074780	OP	70	604	1,875	-0.0095	0.0501	0.98	-1.19	0.98	-0.99	0.09	0.01	68.2	67.9	0.0005
21074790	OP	71	1468	3,619	0.5777	0.0348	0.90	-9.90	0.89	-9.90	0.34	0.12	69.3	62.4	0.0006
21074800	OP	72	1082	2,534	1.0946	0.0406	0.96	-4.41	0.96	-4.39	0.11	-0.02	61.8	58.5	0.0006
21076820	OP	73	135	308	-0.4854	0.1169	0.94	-2.48	0.93	-2.43	0.18	0.04	64.3	59.0	0.0006
21076940	OP	74	19471	22,965	-1.3767	0.0197	0.91	-7.44	0.75	-9.90	0.40	0.28	85.3	85.2	0.0301
21076950	OP	75	4549	8,499	0.9069	0.0232	1.12	9.90	1.15	9.90	0.11	0.28	57.0	64.5	0.0009
21077590	OP	76	986	2,010	-0.3455	0.0456	1.01	1.15	1.01	1.21	0.06	0.09	57.4	58.4	0.0006

ELA Grade 7															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21077720	OP	77	1045	2,498	0.7428	0.0422	1.02	1.79	1.07	3.78	0.15	0.20	62.9	62.1	0.0006
21077740	OP	78	6445	11,590	0.4043	0.0205	0.98	-2.19	0.97	-2.92	0.38	0.36	68.7	68.0	0.0010
21077760	OP	79	9081	11,530	-0.8943	0.0245	1.08	5.83	1.26	9.90	0.20	0.30	79.8	79.7	0.0204
21077790	OP	80	294	550	0.6374	0.0875	0.95	-2.61	0.94	-2.69	0.20	0.10	61.3	59.1	0.0006
21077810	OP	81	370	546	0.3681	0.0929	0.97	-0.97	0.95	-1.31	0.15	0.04	67.8	67.9	0.0006
21077850	OP	82	6921	11,530	0.2494	0.0207	0.97	-3.99	0.96	-3.30	0.37	0.36	70.3	68.7	-0.0619
21077880	OP	83	3747	11,530	1.5529	0.0217	1.20	9.90	1.36	9.90	0.12	0.34	66.1	72.0	0.0009
21077960	OP	84	7695	15,869	1.0493	0.0173	0.91	-9.90	0.90	-9.90	0.43	0.34	71.4	66.6	0.0008
21078000	OP	85	3337	8,327	1.6152	0.0237	1.14	9.90	1.17	9.90	0.09	0.26	59.7	65.9	0.0009
21096440	OP	86	22749	22,965	0.7135	0.0102	0.99	-1.41	0.99	-1.61	0.51	0.49	53.2	52.0	-0.0022
21107060	OP	87	6844	12,463	0.4480	0.0194	0.99	-1.97	0.99	-1.61	0.33	0.31	67.2	65.8	0.0009
21107120	OP	88	2083	3,641	1.1190	0.0343	0.93	-8.43	0.92	-8.55	0.25	0.08	65.4	60.5	0.0010
21107130	OP	89	151	381	-0.2451	0.1103	1.02	0.46	1.01	0.33	0.21	0.23	64.8	66.9	0.0006
21107310	OP	90	14140	11,435	0.0865	0.0154	0.92	-6.73	0.91	-6.98	0.53	0.49	57.4	56.0	-0.0039
21107320	OP	91	23903	17,057	-0.6226	0.0151	0.84	-9.90	0.84	-9.90	0.56	0.42	70.5	64.8	0.0008
21107510	OP	92	12752	11,435	0.4192	0.0151	1.12	9.90	1.14	9.90	0.40	0.49	52.1	54.4	-0.0158
21107530	OP	93	11750	11,530	0.6372	0.0132	1.09	8.30	1.14	9.02	0.46	0.51	44.9	48.8	0.0009
21107770	OP	94	12582	16,444	1.3765	0.0104	1.16	9.90	1.45	9.90	0.37	0.47	42.2	48.8	0.0008
21107880	OP	95	19542	21,755	0.9375	0.0105	1.30	9.90	1.33	9.90	0.32	0.50	45.6	52.1	0.0008
21108230	OP	96	8980	9,234	0.0206	0.0131	0.87	-9.90	0.83	-6.69	0.50	0.41	37.1	35.5	0.0008
21108240	OP	97	6771	7,140	1.0620	0.0159	1.00	-0.14	1.07	4.11	0.35	0.35	38.6	39.6	0.0010
21108260	OP	98	8700	6,409	-0.5514	0.0170	0.87	-9.14	0.83	-6.97	0.48	0.39	54.6	49.9	0.0006
21108280	OP	99	1954	2,327	0.9481	0.0245	0.95	-3.01	0.94	-3.30	0.19	0.10	27.2	25.9	0.0006
21108290	OP	100	23052	22,965	0.6788	0.0090	1.10	9.90	1.18	9.90	0.50	0.55	48.9	51.9	0.0008
21108490	OP	101	19856	22,965	1.0863	0.0113	1.06	7.10	1.07	7.88	0.42	0.45	56.1	58.2	-0.0024
21109000	OP	102	4561	6,837	0.2479	0.0271	0.98	-1.66	0.97	-2.03	0.28	0.25	70.5	70.0	0.0010
11193070	FT	1	87	1,120	3.5420	0.1159	1.02	0.25	0.96	-0.25	0.21	0.21	92.0	92.2	0.0002
11193100	FT	2	573	1,112	0.6257	0.0658	1.04	1.48	1.05	1.67	0.33	0.37	67.3	67.5	0.0003
11193110	FT	3	580	1,110	0.6117	0.0663	0.97	-1.19	0.96	-1.15	0.42	0.38	68.6	68.1	0.0003
11193120	FT	4	1073	1,398	1.1642	0.0380	1.33	9.20	1.51	8.52	0.32	0.51	42.8	51.6	0.0003
11193130	FT	5	1575	1,401	0.5080	0.0364	1.38	9.90	1.71	9.90	0.36	0.55	46.0	52.2	0.0003
11193140	FT	6	251	1,110	2.1399	0.0774	1.19	4.50	1.51	6.62	0.10	0.32	75.8	78.8	0.0003
11193150	FT	7	1248	1,405	0.8873	0.0360	1.23	6.60	1.48	7.76	0.40	0.53	44.5	50.3	0.0003

ELA Grade 7															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11194750	FT	8	2067	1,409	-0.3351	0.0424	0.94	-1.65	0.89	-1.80	0.53	0.48	62.0	60.3	0.0003
11194760	FT	9	656	1,108	0.2791	0.0671	0.97	-1.23	0.94	-1.63	0.41	0.37	70.0	69.0	0.0002
11194770	FT	10	257	1,118	2.1359	0.0770	1.19	4.51	1.26	3.51	0.15	0.33	75.2	78.5	0.0002
11194790	FT	11	1370	1,410	0.7676	0.0389	1.24	7.15	1.35	7.90	0.38	0.52	46.5	50.3	0.0002
11194800	FT	12	309	1,116	1.8615	0.0732	0.90	-3.06	0.81	-3.58	0.46	0.35	77.6	75.6	0.0002
11194810	FT	13	482	1,117	1.0094	0.0664	1.18	6.71	1.24	6.50	0.20	0.37	61.4	68.4	0.0002
11194820	FT	14	555	1,123	0.7534	0.0656	1.08	3.18	1.09	2.78	0.30	0.37	62.9	67.6	0.0003
11195000	FT	15	364	1,115	1.5542	0.0697	0.97	-0.93	0.95	-1.08	0.38	0.35	72.6	72.2	0.0002
11195010	FT	16	722	1,117	-0.0398	0.0685	0.81	-7.12	0.74	-6.67	0.56	0.36	78.2	70.9	0.0002
11195230	FT	17	170	1,114	2.7249	0.0884	1.16	2.80	2.13	9.06	0.01	0.27	84.8	84.9	0.0002
11195290	FT	18	718	1,121	-0.0283	0.0683	0.89	-4.22	0.84	-3.97	0.49	0.37	75.8	70.9	0.0002
11195330	FT	19	515	1,110	0.9157	0.0662	1.22	8.23	1.28	7.48	0.17	0.37	57.7	67.9	0.0002
11195360	FT	20	537	1,124	0.7504	0.0661	1.06	2.38	1.08	2.24	0.33	0.38	66.8	68.4	0.0002
11204630	FT	21	885	1,119	-0.8508	0.0791	0.95	-1.13	0.96	-0.57	0.37	0.32	80.9	79.8	0.0003
11204650	FT	22	756	1,150	-0.1559	0.0679	0.94	-2.04	0.90	-2.22	0.43	0.36	72.6	71.3	0.0003
11204710	FT	23	387	1,275	1.5780	0.0656	1.15	5.04	1.30	6.08	0.14	0.32	69.6	72.7	0.0003
11204940	FT	24	764	1,182	-0.1147	0.0663	1.00	-0.14	1.00	0.03	0.37	0.35	71.0	70.8	0.0003
11205060	FT	25	1014	1,122	-1.9111	0.1056	0.89	-1.49	0.64	-3.03	0.36	0.24	90.4	90.4	0.0003
11205120	FT	26	979	1,141	-1.4377	0.0891	0.91	-1.59	0.81	-2.05	0.36	0.26	85.9	85.8	0.0003
11205190	FT	27	946	1,123	-1.2840	0.0868	0.94	-1.05	1.05	0.56	0.32	0.28	85.1	84.4	0.0003
11205200	FT	28	662	1,116	0.2209	0.0670	1.04	1.33	1.03	0.72	0.35	0.37	69.2	69.4	0.0003
11205310	FT	29	875	1,120	-0.8057	0.0776	0.90	-2.57	0.79	-3.10	0.43	0.31	80.8	79.0	0.0003
11205350	FT	30	924	1,120	-1.1237	0.0838	0.96	-0.89	0.92	-0.95	0.34	0.29	84.0	82.9	0.0003
11205460	FT	31	936	1,134	-1.1801	0.0833	0.84	-3.41	0.70	-3.93	0.48	0.29	83.2	82.8	0.0003
11206090	FT	32	411	1,115	1.2947	0.0675	1.13	4.79	1.22	5.26	0.19	0.34	65.2	69.4	0.0003
11206100	FT	33	691	1,352	0.4664	0.0595	1.16	7.16	1.19	6.44	0.19	0.36	59.4	67.2	0.0003
11206120	FT	34	607	1,116	0.5463	0.0661	1.14	5.35	1.19	5.38	0.24	0.37	62.0	68.1	0.0003
11206130	FT	35	886	1,192	-0.5746	0.0710	0.95	-1.53	0.92	-1.47	0.37	0.31	78.2	75.7	0.0003
11206150	FT	36	458	1,127	1.1356	0.0662	1.19	7.15	1.24	6.39	0.16	0.35	58.6	68.4	0.0003
11218230	FT	37	258	1,309	2.1976	0.0740	0.96	-1.08	0.87	-2.03	0.35	0.29	81.6	81.0	0.0003
11218250	FT	38	877	1,142	-0.7376	0.0751	0.89	-2.95	0.80	-3.38	0.44	0.31	80.3	77.9	0.0003
11218330	FT	39	1000	1,118	-1.7899	0.1022	0.86	-1.98	0.59	-3.76	0.42	0.25	89.4	89.5	0.0003
11218350	FT	40	822	1,127	-0.5273	0.0721	1.02	0.54	1.04	0.70	0.30	0.32	74.7	75.0	0.0003

ELA Grade 7															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11218380	FT	41	896	1,266	-0.4168	0.0665	0.99	-0.21	1.06	1.31	0.32	0.32	75.3	73.5	0.0003
11218490	FT	42	496	1,148	0.9529	0.0648	1.12	4.88	1.15	4.58	0.23	0.34	60.8	67.3	0.0003
11218510	FT	43	543	1,123	0.7518	0.0656	0.99	-0.47	0.98	-0.63	0.38	0.37	68.8	67.6	0.0003
11218640	FT	44	881	1,119	-0.7913	0.0785	0.95	-1.18	0.91	-1.25	0.38	0.32	81.3	79.6	0.0003
11218660	FT	45	927	1,126	-1.1572	0.0833	0.94	-1.19	0.87	-1.56	0.36	0.30	83.1	82.7	0.0003
11218680	FT	46	719	1,319	0.3763	0.0605	1.27	9.90	1.37	9.90	0.09	0.36	57.4	67.7	0.0003
11218720	FT	47	286	1,234	2.0147	0.0723	1.01	0.37	1.02	0.27	0.30	0.30	77.5	78.0	0.0003
11218730	FT	48	686	1,119	0.2354	0.0673	1.04	1.64	1.06	1.44	0.33	0.37	68.5	69.9	0.0003
11218760	FT	49	601	1,126	0.5793	0.0659	1.02	0.86	1.02	0.54	0.36	0.38	67.1	68.3	0.0003
11218810	FT	50	766	1,265	0.0998	0.0625	1.06	2.41	1.09	2.53	0.29	0.34	66.2	68.6	0.0003
11220000	FT	51	434	1,109	1.2516	0.0674	1.13	4.74	1.23	5.46	0.22	0.36	64.9	69.2	0.0003
11220010	FT	52	1626	1,403	0.3943	0.0363	1.24	6.53	1.40	5.44	0.44	0.55	48.8	53.1	0.0004
11220020	FT	53	840	1,117	-0.6856	0.0747	1.02	0.54	1.05	0.83	0.30	0.33	76.8	76.8	0.0003
11220030	FT	54	1603	1,404	0.3259	0.0425	0.91	-2.81	0.94	-1.89	0.56	0.49	54.5	53.4	0.0003
11220050	FT	55	888	1,105	-1.0348	0.0814	1.10	2.16	1.35	3.89	0.19	0.32	81.2	81.1	0.0003
11220060	FT	56	496	1,113	0.9994	0.0664	1.23	8.75	1.29	7.56	0.15	0.37	55.3	68.1	0.0003
11220070	FT	57	528	1,109	0.8199	0.0662	0.83	-7.39	0.78	-6.96	0.55	0.37	76.5	67.9	0.0003
11220080	FT	58	708	1,106	-0.0226	0.0687	0.86	-5.20	0.82	-4.52	0.52	0.37	76.5	70.8	0.0003
11220120	FT	59	256	1,111	2.1035	0.0772	1.14	3.47	1.50	6.28	0.14	0.32	77.9	78.5	0.0003
11220130	FT	60	812	1,113	-0.5512	0.0734	0.98	-0.58	0.96	-0.61	0.37	0.35	76.2	75.5	0.0003
11220140	FT	61	908	1,111	-1.1025	0.0833	0.90	-2.12	0.81	-2.37	0.42	0.31	83.0	82.2	0.0003
11220150	FT	62	857	1,104	-0.7914	0.0778	0.89	-2.88	0.81	-2.86	0.44	0.32	81.3	78.7	0.0003
11222450	FT	63	912	1,123	-1.0513	0.0821	0.81	-4.29	0.64	-4.80	0.52	0.32	85.0	81.8	0.0004
11222460	FT	64	907	1,122	-0.9999	0.0814	0.85	-3.37	0.68	-4.38	0.48	0.32	82.6	81.5	0.0004
11222540	FT	65	554	1,116	0.7733	0.0661	1.17	6.62	1.25	6.97	0.22	0.38	61.1	68.1	0.0003
11222580	FT	66	1681	1,405	0.2530	0.0428	0.96	-1.33	0.97	-0.82	0.53	0.49	55.4	54.6	0.0003
11222750	FT	67	2198	1,409	-0.4961	0.0431	0.90	-2.61	0.85	-1.77	0.54	0.48	67.7	65.6	0.0005
11222760	FT	68	984	1,122	-1.5979	0.0960	0.91	-1.37	0.76	-2.25	0.38	0.27	88.1	87.7	0.0004
11223090	FT	69	778	1,119	-0.2871	0.0711	0.87	-4.18	0.83	-3.55	0.50	0.36	79.4	73.7	0.0003
11223130	FT	70	722	1,119	-0.0147	0.0690	1.01	0.23	0.97	-0.74	0.38	0.38	70.2	71.6	0.0003
11223170	FT	71	975	1,116	-1.5732	0.0952	0.83	-2.81	0.56	-4.63	0.47	0.27	87.7	87.4	0.0004
11223180	FT	72	494	1,120	0.9750	0.0666	1.08	2.86	1.16	4.28	0.31	0.38	66.7	68.9	0.0003
11223320	FT	73	652	1,111	0.2705	0.0670	1.17	6.37	1.28	6.97	0.20	0.37	61.1	69.0	0.0003

ELA Grade 7															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11223370	FT	74	1424	1,401	0.7060	0.0406	1.13	3.95	1.20	5.08	0.45	0.52	49.6	51.0	0.0003
11224070	FT	75	776	1,119	-0.2818	0.0706	0.84	-5.37	0.79	-4.55	0.52	0.35	78.9	73.1	0.0004
11224080	FT	76	757	1,111	-0.2036	0.0702	0.90	-3.25	0.83	-3.77	0.47	0.36	76.1	72.7	0.0004
11224090	FT	77	1234	1,414	0.9976	0.0379	1.28	8.26	1.37	7.76	0.35	0.51	41.9	49.6	0.0004
11224100	FT	78	1115	1,395	1.1791	0.0403	1.65	9.90	1.77	9.90	0.10	0.49	36.7	51.7	0.0004
11224110	FT	79	557	1,119	0.7284	0.0659	1.04	1.65	1.04	1.39	0.34	0.38	65.7	67.9	0.0004
11224280	FT	80	611	1,116	0.4796	0.0664	1.11	4.22	1.15	4.21	0.28	0.38	64.0	68.6	0.0004
11224290	FT	81	394	1,118	1.4959	0.0685	1.08	2.89	1.14	3.06	0.27	0.36	68.9	70.9	0.0004
11224300	FT	82	422	1,114	1.2575	0.0675	1.05	1.89	1.04	1.16	0.31	0.36	67.7	69.8	0.0004
11224310	FT	83	487	1,112	0.9846	0.0662	1.28	9.90	1.34	9.25	0.08	0.36	56.1	68.0	0.0004
11224320	FT	84	1879	1,399	0.0085	0.0395	1.00	-0.02	0.99	-0.24	0.51	0.50	56.3	54.7	0.0005
11224330	FT	85	789	1,401	1.8409	0.0456	1.21	5.59	1.34	7.03	0.28	0.44	53.4	60.4	0.0004
11224340	FT	86	789	1,118	-0.3535	0.0712	0.90	-3.28	0.85	-3.08	0.45	0.34	77.3	73.6	0.0004
11224350	FT	87	902	1,114	-1.0005	0.0817	0.89	-2.47	0.85	-1.97	0.42	0.31	82.9	81.5	0.0004
11225390	FT	88	486	1,118	0.9832	0.0660	1.07	2.62	1.12	3.30	0.29	0.36	65.1	67.7	0.0003
11225400	FT	89	576	1,121	0.6040	0.0655	1.16	6.47	1.21	6.17	0.20	0.36	59.1	67.4	0.0003
11225430	FT	90	685	1,114	0.1356	0.0674	0.99	-0.24	0.98	-0.55	0.37	0.36	70.0	69.5	0.0003
11225480	FT	91	253	1,134	2.2168	0.0766	1.09	2.18	1.13	1.91	0.22	0.30	77.5	78.7	0.0002
21109560	FT	194	366	1,117	1.5540	0.0697	1.05	1.71	1.16	3.23	0.28	0.35	71.4	72.3	0.0003
21109570	FT	195	523	1,175	0.9212	0.0640	1.09	3.71	1.14	4.32	0.25	0.35	64.6	67.4	0.0002
21109580	FT	196	533	1,111	0.8088	0.0663	1.06	2.46	1.12	3.44	0.32	0.38	66.2	68.1	0.0003
21109590	FT	197	530	1,116	0.8465	0.0667	1.00	0.14	0.99	-0.17	0.40	0.39	68.5	68.8	0.0003
21109600	FT	198	263	1,175	2.1188	0.0749	0.99	-0.32	1.04	0.70	0.30	0.30	79.9	78.6	0.0002
21109610	FT	199	774	1,175	1.2617	0.0402	1.36	8.56	1.59	6.33	0.32	0.50	48.9	54.8	0.0001
21109620	FT	200	635	1,106	0.3814	0.0671	1.10	3.88	1.13	3.33	0.28	0.38	65.6	69.0	0.0003
21109630	FT	201	608	1,112	0.4662	0.0666	1.24	8.84	1.30	7.49	0.15	0.38	58.1	68.5	0.0003
21109640	FT	202	631	1,110	0.3789	0.0667	1.02	0.66	1.00	0.03	0.36	0.38	66.8	68.7	0.0003
21109650	FT	203	537	1,109	0.7720	0.0665	0.98	-0.97	0.95	-1.30	0.42	0.38	68.3	68.3	0.0003
21111260	FT	204	277	1,175	2.0416	0.0737	0.99	-0.20	1.06	1.05	0.30	0.30	79.1	77.7	0.0002

Table J.6. IRT Item-Level Statistics—ELA Grade 8

ELA Grade 8															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11188180	OP	1	173	258	-0.3724	0.1332	0.95	-1.06	0.94	-1.22	0.16	-0.09	68.2	67.1	0.0005
11188190	OP	2	107	222	0.2648	0.1355	0.94	-3.54	0.93	-3.54	0.22	-0.04	61.3	55.7	0.0005
11188210	OP	3	153	234	-0.0303	0.1381	0.97	-0.60	0.97	-0.69	0.03	-0.12	65.4	65.4	0.0006
11188230	OP	4	79	233	1.2890	0.1391	0.96	-0.78	0.95	-0.98	0.07	-0.12	66.1	66.1	0.0006
11188260	OP	5	109	198	0.3783	0.1434	0.96	-1.93	0.96	-1.98	0.01	-0.17	58.1	55.7	0.0006
11188270	OP	6	161	234	-0.1868	0.1418	0.97	-0.54	0.96	-0.62	0.06	-0.12	68.8	68.8	0.0006
11190980	OP	7	115	262	0.7198	0.1250	0.96	-2.01	0.96	-2.02	0.06	-0.15	61.8	56.6	0.0006
11191050	OP	8	527	1,615	0.8714	0.0534	0.94	-3.33	0.92	-3.99	0.22	-0.05	67.6	67.4	0.0005
11191060	OP	9	850	1,615	0.0284	0.0502	0.95	-7.91	0.95	-7.94	0.16	-0.05	63.2	55.4	0.0005
11191070	OP	10	1414	2,865	-0.3438	0.0378	0.95	-9.41	0.94	-9.44	0.18	-0.01	63.0	56.4	0.0004
11191080	OP	11	1338	3,003	-0.1350	0.0372	0.95	-7.54	0.95	-7.48	0.17	-0.01	63.2	57.7	0.0004
11191110	OP	12	2733	7,149	1.5259	0.0247	0.98	-3.23	0.97	-3.49	0.10	0.03	63.3	62.4	0.0009
11191120	OP	13	76	151	1.3591	0.1635	0.95	-3.08	0.95	-3.09	0.14	-0.13	62.3	53.9	0.0010
11191130	OP	14	1157	2,794	1.1415	0.0387	0.95	-5.86	0.95	-5.95	0.12	-0.06	62.6	59.0	0.0008
11191140	OP	15	3194	7,314	2.0237	0.0244	0.91	-9.90	0.90	-9.90	0.30	0.15	68.6	62.0	0.0010
11191150	OP	16	330	632	-0.3525	0.0815	0.91	-5.55	0.90	-5.41	0.28	0.09	66.5	58.6	0.0004
11191160	OP	17	4692	11,469	1.8837	0.0198	1.04	5.87	1.04	5.55	0.10	0.17	61.7	63.9	0.0010
11191170	OP	18	1714	3,586	0.7723	0.0344	0.99	-1.09	1.00	-0.51	0.15	0.14	60.8	59.4	0.0007
11191200	OP	19	405	412	-1.9474	0.3822	0.99	0.08	0.62	-0.87	0.14	0.03	98.3	98.3	0.0010
11191240	OP	20	2837	3,984	1.1314	0.0355	0.97	-1.85	0.96	-2.34	0.10	0.02	71.4	71.2	0.0011
11191250	OP	21	3945	4,442	-0.0466	0.0480	0.98	-0.44	0.94	-1.45	0.08	0.02	88.8	88.8	0.0011
11191280	OP	22	109	202	-1.2295	0.1476	0.89	-2.69	0.87	-2.70	0.39	0.19	69.8	62.1	0.0002
11221270	OP	23	163	116	-0.5215	0.1596	0.91	-0.85	0.90	-0.92	0.25	-0.11	57.8	51.0	0.0007
11223490	OP	24	980	4,442	3.3594	0.0264	1.07	1.82	1.12	2.38	0.00	0.07	82.7	83.6	0.0012
11223500	OP	25	17202	16,083	0.3432	0.0100	0.96	-5.35	0.94	-5.17	0.41	0.38	38.8	38.7	0.0006
21048270	OP	26	1162	2,721	2.6368	0.0393	0.95	-6.19	0.94	-6.44	0.12	-0.06	63.0	59.7	0.0011
21048280	OP	27	5301	11,792	0.3497	0.0192	1.01	2.35	1.02	3.15	0.16	0.16	60.2	60.8	0.0005
21048300	OP	28	9131	23,252	1.3769	0.0146	1.13	9.90	1.25	9.90	0.15	0.32	64.6	68.4	-0.0209
21048310	OP	29	9445	20,430	0.8250	0.0149	1.15	9.90	1.18	9.90	0.10	0.27	55.7	64.4	0.0008
21048320	OP	30	5641	15,766	1.0074	0.0173	1.06	9.90	1.13	9.90	0.08	0.18	64.7	65.3	0.0007
21048330	OP	31	17769	23,252	-0.5519	0.0166	0.91	-9.90	0.84	-9.90	0.41	0.29	79.2	78.0	0.0198
21048340	OP	32	4362	8,287	1.3350	0.0223	0.95	-9.90	0.94	-9.90	0.18	-0.03	63.2	56.8	0.0010

ELA Grade 8															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21048350	OP	33	10805	23,252	1.0137	0.0143	1.00	-0.78	1.02	2.71	0.31	0.33	67.7	66.5	-0.0046
21048360	OP	34	15824	23,252	-0.0639	0.0152	0.98	-2.73	0.98	-2.47	0.34	0.32	72.9	72.2	0.0166
21048950	OP	35	67	155	-0.4605	0.1640	0.97	-0.89	0.97	-0.87	0.09	-0.04	61.3	58.6	0.0002
21048970	OP	36	280	694	-0.6457	0.0782	0.96	-2.26	0.95	-2.41	0.08	-0.06	62.1	60.2	0.0002
21048980	OP	37	243	716	-0.3500	0.0798	0.97	-1.15	0.96	-1.21	0.06	-0.05	66.9	66.1	0.0002
21048990	OP	38	182	713	0.0620	0.0867	0.97	-0.77	0.95	-1.01	0.08	-0.04	74.5	74.5	0.0002
21049030	OP	39	183	716	0.0609	0.0864	0.96	-1.04	0.94	-1.36	0.12	-0.04	74.4	74.4	0.0002
21049570	OP	40	542	1,152	0.3246	0.0594	0.97	-4.78	0.96	-4.81	0.08	-0.08	60.3	55.0	0.0005
21049630	OP	41	528	722	-0.7998	0.0844	0.94	-1.50	0.92	-2.11	0.22	-0.07	73.1	73.1	0.0005
21049690	OP	42	209	354	-0.1986	0.1083	0.96	-2.00	0.96	-2.10	0.07	-0.22	59.6	59.1	0.0005
21049700	OP	43	129	282	0.1355	0.1199	0.95	-3.71	0.95	-3.72	0.12	-0.20	63.8	54.7	0.0005
21049720	OP	44	272	516	0.2519	0.0885	0.95	-5.99	0.95	-5.97	0.15	-0.17	63.2	53.9	0.0005
21049760	OP	45	264	541	0.1823	0.0866	0.93	-6.84	0.93	-6.85	0.23	-0.07	65.8	54.8	0.0005
21049770	OP	46	420	1,086	0.6929	0.0626	0.96	-2.88	0.95	-3.09	0.11	-0.10	61.8	61.3	0.0005
21049930	OP	47	264	733	0.9515	0.0773	0.95	-2.25	0.94	-2.61	0.14	-0.12	64.0	64.0	0.0006
21049960	OP	48	512	815	-0.1979	0.0729	0.98	-1.13	0.97	-1.27	0.02	-0.08	63.2	63.0	0.0006
21050170	OP	49	400	795	0.3297	0.0713	0.94	-8.02	0.94	-7.94	0.18	-0.11	66.5	54.2	0.0006
21050270	OP	50	367	542	-0.4557	0.0925	0.95	-1.57	0.94	-1.88	0.17	-0.07	68.1	67.8	0.0006
21071580	OP	51	807	1,688	1.1372	0.0491	0.95	-8.64	0.95	-8.63	0.17	-0.06	63.5	55.2	0.0009
21071590	OP	52	4090	7,201	0.7479	0.0241	0.94	-9.90	0.93	-9.90	0.23	0.02	65.2	58.6	0.0009
21071660	OP	53	976	2,503	1.7325	0.0414	0.96	-3.48	0.96	-3.58	0.12	0.00	64.0	61.4	0.0010
21071690	OP	54	1645	2,900	-0.4949	0.0387	0.92	-7.92	0.91	-7.41	0.28	0.15	67.4	61.3	0.0004
21071700	OP	55	15995	23,252	-0.1021	0.0153	0.98	-3.46	0.98	-2.42	0.33	0.32	73.6	72.6	0.0152
21071710	OP	56	15938	23,252	-0.0716	0.0152	0.99	-2.26	1.00	-0.36	0.32	0.32	73.5	72.3	-0.0021
21071720	OP	57	15860	23,252	-0.0534	0.0152	1.00	-0.25	0.99	-1.16	0.31	0.32	71.9	72.1	-0.0023
21071740	OP	58	14395	23,252	0.2613	0.0147	0.96	-7.50	0.91	-9.90	0.37	0.33	69.1	69.0	0.0081
21071750	OP	59	10056	23,252	1.1731	0.0144	1.08	9.90	1.13	9.90	0.22	0.32	64.6	67.1	-0.0103
21071760	OP	60	19487	23,252	-1.0877	0.0190	0.92	-6.94	0.85	-8.44	0.36	0.26	84.8	84.4	0.0260
21071770	OP	61	10600	23,252	1.0587	0.0143	1.03	5.76	1.05	7.78	0.28	0.33	65.7	66.6	-0.0077
21072460	OP	62	302	828	0.3834	0.0724	0.95	-2.71	0.94	-3.09	0.16	-0.17	63.5	63.5	0.0004
21072470	OP	63	82	230	0.3131	0.1381	0.95	-1.12	0.95	-1.33	0.09	-0.18	64.3	64.3	0.0004
21072490	OP	64	560	1,696	0.1753	0.0520	0.96	-2.29	0.95	-2.78	0.11	-0.07	67.0	67.0	0.0003
21072540	OP	65	10952	23,252	0.9887	0.0143	1.16	9.90	1.23	9.90	0.13	0.33	58.9	66.4	-0.0094

ELA Grade 8															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21072550	OP	66	10002	23,252	1.1763	0.0144	1.05	9.33	1.06	8.04	0.27	0.32	64.4	67.1	-0.0024
21072560	OP	67	13009	23,252	0.5774	0.0143	0.96	-8.04	0.94	-8.27	0.36	0.33	68.9	67.0	-0.0174
21072570	OP	68	14600	23,252	0.2172	0.0147	1.02	3.04	1.02	2.27	0.30	0.32	68.5	69.4	0.0081
21072590	OP	69	10950	23,252	0.9994	0.0143	0.99	-1.07	0.99	-0.82	0.33	0.33	66.3	66.5	-0.0197
21073230	OP	70	598	1,486	-0.1072	0.0535	0.95	-3.65	0.95	-3.89	0.14	-0.01	62.2	60.6	0.0003
21073280	OP	71	12503	17,397	-0.0818	0.0179	0.89	-9.90	0.85	-9.90	0.42	0.27	76.7	73.2	0.0007
21073300	OP	72	270	891	0.0902	0.0768	0.92	-2.19	0.90	-2.66	0.36	0.24	74.7	73.0	0.0003
21073310	OP	73	7601	15,248	1.3383	0.0169	0.95	-9.90	0.94	-9.90	0.29	0.18	65.2	61.9	0.0009
21073330	OP	74	1249	2,650	-0.4950	0.0401	0.94	-7.65	0.92	-6.15	0.26	0.13	65.6	59.2	0.0003
21073350	OP	75	117	380	-0.3855	0.1128	0.93	-1.65	0.90	-2.01	0.23	0.01	70.3	69.3	0.0002
21073360	OP	76	2726	4,480	0.7853	0.0311	0.92	-9.90	0.90	-9.90	0.29	0.04	66.0	61.4	0.0009
21073390	OP	77	3359	8,764	2.1663	0.0227	1.02	2.67	1.02	2.44	0.10	0.13	63.2	64.6	0.0011
21073410	OP	78	7206	11,092	0.7212	0.0208	1.01	0.79	1.02	2.15	0.20	0.19	68.3	66.3	0.0010
21073430	OP	79	252	479	0.2592	0.0919	0.95	-5.53	0.95	-5.54	0.14	-0.15	60.5	54.1	0.0006
21073440	OP	80	886	1,580	0.2889	0.0509	0.96	-5.73	0.95	-5.81	0.10	-0.13	61.5	56.7	0.0007
21073450	OP	81	3398	3,953	-0.9758	0.0460	0.96	-1.30	0.88	-3.67	0.19	-0.01	86.0	86.0	0.0009
21073460	OP	82	7655	9,092	-0.7525	0.0290	0.96	-2.14	0.89	-4.90	0.18	0.04	84.2	84.2	0.0008
21073490	OP	83	115	341	1.6347	0.1155	0.96	-1.07	0.95	-1.12	0.12	-0.04	68.0	66.4	0.0008
21073520	OP	84	662	2,307	0.2193	0.0467	0.96	-1.83	0.95	-1.99	0.15	0.05	71.7	71.3	0.0003
21073620	OP	85	183	409	1.0814	0.1007	0.98	-1.35	0.97	-1.32	0.10	-0.01	59.7	57.6	0.0007
21073630	OP	86	62	117	0.4783	0.1864	0.96	-1.59	0.96	-1.60	0.04	-0.11	61.5	55.0	0.0007
21073640	OP	87	627	2,304	0.2961	0.0475	0.96	-1.67	0.95	-2.04	0.15	0.05	73.0	72.8	0.0003
21073670	OP	88	776	1,739	1.6297	0.0486	0.96	-5.51	0.95	-5.57	0.13	-0.04	62.2	56.6	0.0011
21073700	OP	89	424	1,761	2.5718	0.0561	0.98	-0.70	0.97	-1.02	0.05	-0.03	75.9	75.9	0.0011
21073710	OP	90	869	1,761	1.4327	0.0481	0.95	-8.97	0.94	-8.98	0.18	-0.04	63.6	55.2	0.0011
21073730	OP	91	915	2,171	0.3910	0.0439	0.96	-4.66	0.96	-4.66	0.13	-0.01	62.5	58.9	0.0005
21073770	OP	92	3439	6,395	0.0654	0.0255	0.97	-5.41	0.97	-5.64	0.13	0.06	60.1	58.3	0.0006
21073780	OP	93	3070	7,063	0.4974	0.0244	0.92	-9.90	0.92	-9.90	0.26	0.05	66.6	59.0	0.0006
21073790	OP	94	2033	4,674	0.6503	0.0299	0.94	-9.90	0.93	-9.90	0.18	-0.01	64.9	58.1	0.0006
21073800	OP	95	366	879	0.1455	0.0690	0.98	-1.08	0.98	-1.09	0.00	-0.06	59.4	58.8	0.0004
21075650	OP	96	127	358	0.6960	0.1108	0.95	-1.40	0.95	-1.64	0.11	-0.20	64.5	64.5	0.0005
21075700	OP	97	1175	2,993	0.0881	0.0379	0.96	-4.12	0.96	-4.20	0.14	-0.01	64.3	61.3	0.0004
21075750	OP	98	20928	23,252	-1.6771	0.0228	0.86	-9.09	0.56	-9.90	0.41	0.22	90.1	90.1	0.0052

ELA Grade 8															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21076410	OP	99	58	199	0.8523	0.1564	0.95	-0.69	0.94	-0.95	0.14	-0.18	70.9	70.8	0.0005
21076520	OP	100	714	1,615	0.3717	0.0505	0.96	-5.25	0.95	-5.31	0.13	-0.05	62.2	57.1	0.0005
21096290	OP	101	37054	23,252	-0.6275	0.0118	0.96	-3.90	0.93	-4.80	0.43	0.39	68.9	67.3	0.0249
21096370	OP	102	22680	23,250	0.9001	0.0102	1.03	3.70	1.04	4.78	0.42	0.43	51.7	51.9	0.0008
21107340	OP	103	2133	2,770	0.2185	0.0332	0.96	-1.59	0.96	-1.77	0.33	0.28	57.5	58.1	0.0004
21107350	OP	104	8103	7,731	-0.2185	0.0165	0.82	-9.90	0.81	-9.90	0.47	0.23	48.2	47.1	0.0004
21107360	OP	105	9909	7,026	0.7046	0.0204	0.90	-7.23	0.89	-7.79	0.31	0.15	60.9	55.6	0.0011
21107430	OP	106	27270	23,252	0.1629	0.0131	0.92	-8.63	0.92	-8.66	0.45	0.35	68.6	68.8	-0.0250
21107450	OP	107	8007	13,378	2.0425	0.0113	0.99	-0.61	0.95	-3.31	0.29	0.25	50.3	50.3	0.0010
21107780	OP	108	8098	7,201	0.8780	0.0130	0.95	-6.07	0.95	-5.93	0.13	0.03	16.7	15.6	0.0009
21107790	OP	109	30166	22,730	0.2577	0.0091	0.92	-9.52	0.88	-8.31	0.48	0.46	55.0	53.0	0.0007
21108310	OP	110	1045	2,764	0.7519	0.0323	1.09	2.63	1.09	1.90	0.32	0.37	69.4	71.3	0.0005
21108320	OP	111	2347	1,761	0.9931	0.0277	0.89	-5.63	0.86	-6.22	0.19	-0.07	28.7	24.1	0.0011
21108330	OP	112	4802	7,063	0.6902	0.0149	0.86	-9.90	0.83	-9.90	0.28	0.07	35.3	34.5	0.0006
21108350	OP	113	15529	15,464	1.3007	0.0099	0.87	-9.90	0.85	-9.90	0.43	0.29	36.6	33.4	0.0009
21108370	OP	114	12226	21,106	1.6611	0.0093	1.25	9.90	1.66	9.90	0.24	0.40	49.9	56.9	0.0009
21108480	OP	115	20364	23,252	1.4303	0.0140	1.03	3.09	1.03	3.19	0.33	0.33	71.6	73.3	-0.0163
21108980	OP	116	399	1,060	0.5901	0.0637	0.95	-2.84	0.95	-3.12	0.13	-0.10	62.7	62.4	0.0005
31196380	OP	117	15581	18,526	1.2937	0.0130	1.16	9.90	1.16	9.90	0.34	0.44	59.1	59.7	0.0008
31196480	OP	118	20442	23,252	1.0957	0.0093	1.36	9.90	1.46	9.90	0.19	0.45	37.6	47.7	-0.0086
31232250	OP	119	3734	7,223	0.5964	0.0242	0.92	-9.90	0.91	-9.90	0.29	0.11	65.5	58.9	0.0007
11192230	FT	23	583	941	0.2095	0.0724	0.97	-1.26	0.95	-1.24	0.37	0.32	70.1	68.5	0.0003
11192240	FT	24	1600	1,932	1.1329	0.0295	1.38	9.90	1.77	9.90	0.29	0.49	38.1	47.8	0.0004
11192250	FT	25	692	941	-0.4082	0.0788	1.09	2.34	1.24	3.76	0.18	0.30	74.4	75.0	0.0003
11192260	FT	26	363	941	1.3343	0.0722	1.08	2.96	1.12	2.99	0.23	0.32	65.5	68.1	0.0004
11192270	FT	27	363	942	1.3306	0.0720	1.13	4.53	1.17	4.30	0.17	0.31	62.4	67.9	0.0004
11192280	FT	28	465	940	0.8170	0.0705	1.03	1.23	1.05	1.57	0.29	0.33	64.0	65.8	0.0004
11192290	FT	29	179	943	2.4974	0.0877	0.98	-0.33	0.99	-0.14	0.30	0.26	81.9	81.4	0.0003
11192300	FT	30	456	936	0.9058	0.0706	1.03	1.34	1.04	1.39	0.29	0.32	64.7	65.7	0.0004
11192310	FT	31	335	933	1.5269	0.0740	0.85	-5.48	0.78	-5.53	0.51	0.33	76.4	69.8	0.0004
11192320	FT	32	595	940	0.2084	0.0729	0.85	-5.41	0.80	-5.50	0.51	0.32	76.1	69.2	0.0004
11192340	FT	33	199	937	2.3349	0.0851	0.91	-1.91	0.79	-2.98	0.40	0.28	79.6	79.5	0.0003
11192350	FT	34	2177	1,925	0.6355	0.0303	1.00	0.12	1.04	0.83	0.50	0.49	48.1	47.6	0.0004

ELA Grade 8															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11192360	FT	35	325	939	1.5798	0.0740	0.88	-4.32	0.85	-3.51	0.46	0.32	75.0	70.3	0.0003
11192370	FT	36	324	937	1.5733	0.0738	1.06	2.06	1.10	2.23	0.24	0.31	67.3	70.0	0.0004
11195100	FT	37	818	1,192	-0.0768	0.0675	0.86	-5.06	0.78	-5.54	0.51	0.33	75.3	72.4	0.0004
11195110	FT	38	1435	1,423	0.8380	0.0407	0.93	-2.26	0.93	-2.34	0.50	0.44	49.9	50.8	0.0004
11195120	FT	39	780	1,190	0.1138	0.0660	0.89	-4.19	0.83	-4.63	0.47	0.33	73.0	70.6	0.0004
11195260	FT	40	766	1,187	0.1379	0.0658	1.01	0.34	1.04	1.09	0.33	0.34	71.3	70.4	0.0004
11195820	FT	41	378	1,186	1.7078	0.0671	0.85	-5.32	0.79	-5.30	0.49	0.32	76.3	71.8	0.0004
11195830	FT	42	1243	1,426	1.1941	0.0460	0.89	-3.41	0.89	-3.34	0.53	0.41	62.9	59.6	0.0004
11195850	FT	43	561	1,427	2.1968	0.0450	1.45	9.41	2.16	9.90	0.01	0.36	53.4	66.6	0.0004
11195860	FT	44	461	1,190	1.3692	0.0643	1.14	5.52	1.15	4.17	0.19	0.33	61.1	68.4	0.0004
11195880	FT	45	1453	1,425	0.7909	0.0367	0.95	-1.78	0.96	-0.89	0.53	0.49	47.0	47.0	0.0004
11195890	FT	46	1063	1,426	1.5355	0.0454	1.15	4.38	1.15	4.40	0.29	0.40	54.9	58.2	0.0004
11195900	FT	47	887	1,188	-0.4529	0.0715	0.98	-0.42	0.95	-0.87	0.34	0.31	76.2	76.3	0.0004
11198720	FT	48	332	944	1.5497	0.0733	0.94	-2.25	0.88	-2.86	0.40	0.31	71.4	69.6	0.0003
11198770	FT	49	449	945	0.9732	0.0709	0.98	-0.81	0.99	-0.36	0.37	0.34	68.4	66.8	0.0003
11198780	FT	50	599	949	0.1491	0.0732	0.88	-4.15	0.83	-4.35	0.48	0.34	73.4	69.8	0.0003
11198790	FT	51	601	945	0.1417	0.0731	0.92	-2.79	0.90	-2.37	0.43	0.33	72.7	69.6	0.0003
11198840	FT	52	312	938	1.5984	0.0743	1.15	4.63	1.28	5.68	0.14	0.30	65.8	70.6	0.0003
11198850	FT	53	665	938	-0.1639	0.0769	0.99	-0.24	1.00	0.02	0.32	0.30	74.0	73.3	0.0003
11198860	FT	54	170	948	2.4423	0.0890	1.18	3.18	1.62	6.39	-0.01	0.25	82.2	82.2	0.0003
11198880	FT	55	580	1,112	0.6318	0.0644	1.04	1.99	1.06	1.99	0.27	0.31	62.9	65.0	0.0003
11198920	FT	56	285	1,026	2.0566	0.0741	1.09	2.48	1.23	4.05	0.17	0.28	72.5	74.0	0.0003
11198930	FT	57	509	2,181	2.3240	0.0534	1.10	3.71	1.30	6.25	0.13	0.26	76.7	77.3	0.0003
11199020	FT	58	704	939	-0.4627	0.0803	0.97	-0.82	0.98	-0.28	0.33	0.29	77.2	76.4	0.0003
11199070	FT	59	839	3,067	2.0426	0.0428	0.94	-2.99	0.90	-3.35	0.34	0.26	75.3	73.9	0.0002
11199100	FT	60	156	940	2.6863	0.0921	0.94	-1.13	0.86	-1.65	0.33	0.25	84.0	83.5	0.0003
11199110	FT	61	649	947	-0.0919	0.0754	0.95	-1.43	0.90	-2.17	0.38	0.32	72.3	72.1	0.0003
11199120	FT	62	624	941	0.0133	0.0744	0.92	-2.82	0.86	-3.35	0.43	0.32	72.7	70.7	0.0003
11199140	FT	63	352	942	1.4158	0.0727	1.16	5.65	1.25	5.64	0.14	0.32	62.3	68.7	0.0003
11199170	FT	64	445	941	0.9550	0.0715	1.04	1.41	1.04	1.26	0.33	0.36	65.1	67.3	0.0003
11199200	FT	65	580	942	0.2772	0.0724	0.92	-2.90	0.90	-2.77	0.43	0.33	73.1	68.6	0.0003
11199210	FT	66	656	941	-0.1254	0.0763	0.96	-1.10	0.95	-1.04	0.37	0.32	74.6	73.0	0.0003
11199220	FT	67	482	965	0.8035	0.0698	0.97	-1.18	0.98	-0.77	0.37	0.33	68.6	65.9	0.0003

ELA Grade 8															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11199240	FT	68	870	1,089	-0.6787	0.0801	0.86	-3.33	0.76	-3.85	0.46	0.28	82.6	80.5	0.0003
11199290	FT	69	604	941	0.0734	0.0732	1.08	2.63	1.12	2.79	0.24	0.32	66.5	69.7	0.0003
11199320	FT	70	505	941	0.6422	0.0704	1.04	1.66	1.06	1.99	0.28	0.32	64.9	65.7	0.0003
11199420	FT	71	1333	2,594	0.7857	0.0423	0.92	-5.88	0.90	-5.45	0.42	0.31	70.3	65.4	0.0002
11199470	FT	72	734	938	-0.6543	0.0844	0.82	-4.20	0.69	-4.83	0.52	0.29	82.8	79.2	0.0003
11199510	FT	73	1011	1,401	-0.0860	0.0634	1.09	2.79	1.17	4.00	0.17	0.28	73.4	74.6	0.0003
11199550	FT	74	1592	2,899	0.7098	0.0400	0.92	-6.25	0.90	-6.03	0.41	0.30	69.9	65.7	0.0002
11199580	FT	75	207	942	2.2652	0.0834	1.01	0.28	1.00	0.08	0.27	0.27	78.9	78.7	0.0003
11199780	FT	76	3854	3,175	0.3265	0.0283	1.03	1.62	1.03	1.30	0.37	0.38	52.8	52.7	0.0002
11199930	FT	77	704	1,931	2.1314	0.0381	1.05	1.36	1.15	1.93	0.36	0.37	69.5	68.9	0.0002
11199950	FT	78	2105	1,935	0.5934	0.0360	1.25	8.58	1.27	8.94	0.23	0.42	49.6	53.1	0.0003
11200130	FT	79	377	937	1.3521	0.0718	0.92	-3.22	0.88	-3.44	0.43	0.32	71.1	67.4	0.0003
11200170	FT	80	1323	1,378	-2.5145	0.1405	0.86	-1.18	0.34	-5.05	0.38	0.15	96.0	96.0	0.0003
11200180	FT	81	736	974	-0.4949	0.0789	0.82	-4.91	0.70	-5.54	0.51	0.27	79.3	76.5	0.0003
11200190	FT	82	1725	2,569	-0.0186	0.0447	1.05	2.69	1.09	3.30	0.23	0.28	69.5	70.6	0.0002
11200250	FT	83	146	940	2.7514	0.0947	1.01	0.16	1.07	0.80	0.24	0.25	85.0	84.6	0.0003
11200270	FT	84	254	1,166	2.4372	0.0752	0.97	-0.84	0.89	-1.72	0.33	0.27	79.3	78.8	0.0003
11200280	FT	85	433	1,001	1.1124	0.0686	1.06	2.48	1.06	1.80	0.26	0.31	63.8	65.8	0.0003
11200290	FT	86	597	935	0.1643	0.0735	0.92	-2.92	0.90	-2.55	0.43	0.33	73.4	69.7	0.0003
11200310	FT	87	684	1,522	0.9825	0.0557	1.07	3.55	1.08	2.95	0.27	0.33	62.3	66.2	0.0003
11217390	FT	88	381	1,042	1.3746	0.0690	1.22	7.92	1.31	7.58	0.05	0.30	59.1	68.7	0.0003
11217400	FT	89	463	1,034	1.0483	0.0674	1.15	6.00	1.16	5.08	0.17	0.32	57.4	66.3	0.0003
11217410	FT	90	614	1,030	0.2939	0.0681	0.95	-2.10	0.95	-1.67	0.37	0.31	70.3	66.9	0.0003
11217420	FT	91	394	1,031	1.3198	0.0686	1.08	2.93	1.15	4.07	0.20	0.30	66.3	68.0	0.0003
11217430	FT	92	223	1,031	2.2328	0.0804	1.23	4.87	1.61	7.72	-0.02	0.28	76.3	79.1	0.0003
11217440	FT	93	1122	1,742	1.3707	0.0324	1.16	4.99	1.40	5.58	0.37	0.46	49.6	53.4	0.0003
11217460	FT	94	444	1,032	1.1457	0.0679	0.92	-3.50	0.90	-3.33	0.42	0.32	70.6	66.7	0.0003
11217470	FT	95	1703	1,742	0.8788	0.0357	1.02	0.91	1.03	1.13	0.44	0.45	47.9	49.1	0.0003
11217500	FT	96	1365	1,739	1.1172	0.0311	1.13	4.36	1.27	4.59	0.41	0.48	42.6	47.9	0.0003
11217510	FT	97	846	1,738	1.7729	0.0359	1.22	5.95	1.63	8.07	0.26	0.41	52.7	60.5	0.0003
11217520	FT	98	358	1,030	1.5592	0.0705	0.94	-2.26	0.89	-2.58	0.41	0.32	71.7	69.9	0.0003
11219350	FT	99	490	938	0.6873	0.0705	1.14	5.54	1.16	5.04	0.18	0.32	58.0	65.7	0.0002
11219360	FT	100	579	941	0.2335	0.0725	0.96	-1.33	0.95	-1.34	0.37	0.33	70.8	68.8	0.0002

ELA Grade 8															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
11220170	FT	101	611	940	0.0550	0.0736	1.08	2.76	1.14	3.16	0.23	0.32	67.1	70.1	0.0002
11220180	FT	102	482	944	0.7515	0.0704	0.94	-2.52	0.92	-2.55	0.41	0.33	68.6	65.9	0.0002
11220400	FT	103	115	938	3.0496	0.1038	1.09	1.32	1.40	3.12	0.09	0.22	87.4	87.8	0.0002
11220410	FT	104	259	939	1.9058	0.0779	1.18	4.66	1.41	6.35	0.07	0.29	71.5	74.1	0.0002
11220630	FT	105	432	942	0.9815	0.0705	1.02	0.73	1.05	1.50	0.30	0.32	65.4	65.8	0.0002
11220650	FT	106	671	938	-0.2611	0.0775	0.91	-2.57	0.87	-2.62	0.42	0.30	77.7	74.1	0.0003
11220660	FT	107	474	939	0.7902	0.0706	1.11	4.48	1.13	4.02	0.21	0.33	59.5	65.8	0.0002
11220670	FT	108	252	938	1.9941	0.0788	1.07	1.77	1.21	3.35	0.21	0.29	74.0	74.9	0.0002
11221310	FT	110	3338	1,937	-0.9876	0.0459	0.86	-3.21	0.79	-3.33	0.47	0.37	79.5	76.1	0.0003
11221400	FT	111	646	937	-0.1539	0.0764	0.92	-2.28	0.89	-2.32	0.42	0.33	75.8	72.9	0.0003
11221520	FT	112	708	938	-0.4891	0.0814	1.00	-0.09	0.98	-0.26	0.32	0.31	77.1	77.0	0.0003
11222380	FT	113	48	940	4.0274	0.1522	1.01	0.09	1.18	0.94	0.15	0.16	94.8	94.9	0.0002
11222510	FT	114	524	938	0.5315	0.0712	0.98	-0.87	0.99	-0.23	0.36	0.33	69.1	66.5	0.0002
11222610	FT	115	155	941	2.6192	0.0927	0.90	-1.71	0.75	-2.98	0.38	0.26	85.0	83.8	0.0002
11222810	FT	116	693	942	-0.4095	0.0787	0.94	-1.55	0.92	-1.35	0.36	0.29	76.9	75.0	0.0002
11222930	FT	117	580	936	0.2116	0.0727	0.82	-7.04	0.76	-6.54	0.54	0.32	77.1	68.5	0.0002
11223060	FT	118	719	936	-0.5375	0.0823	1.00	0.10	1.12	1.71	0.27	0.28	78.6	77.7	0.0002
11223080	FT	119	588	939	0.1924	0.0728	0.90	-3.68	0.84	-4.05	0.45	0.32	72.7	68.7	0.0002
11223100	FT	120	506	939	0.5583	0.0709	0.95	-1.95	0.94	-1.93	0.40	0.33	68.8	66.4	0.0002
11223140	FT	121	488	936	0.7194	0.0710	0.81	-8.41	0.77	-7.65	0.56	0.33	77.4	66.3	0.0002
11223250	FT	122	413	940	1.0601	0.0712	1.11	4.26	1.16	4.52	0.21	0.33	63.7	66.7	0.0002
11223940	FT	125	613	976	0.1455	0.0714	0.92	-2.78	0.88	-3.21	0.42	0.32	71.7	69.0	0.0003
11224000	FT	126	317	3,018	3.2955	0.0610	0.99	-0.11	0.94	-0.98	0.19	0.17	89.6	89.5	0.0002
11224030	FT	127	840	1,933	1.9987	0.0371	1.02	0.50	1.06	1.04	0.39	0.39	63.4	64.0	0.0002

Table J.7. IRT Item-Level Statistics—Mathematics Grade 3

Mathematics Grade 3															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
21096480	OP	1	29345	23,858	-0.6664	0.0096	1.18	9.90	1.41	9.90	0.48	0.57	54.2	58.0	0.0004
31155430	OP	2	29255	23,858	-0.7450	0.0105	1.08	9.57	1.11	9.47	0.52	0.55	55.1	57.4	0.0003
31155680	OP	3	17191	23,858	0.4824	0.0102	1.00	0.36	1.07	4.22	0.58	0.57	58.9	59.3	0.0005
31156130	OP	4	32261	23,858	-1.1130	0.0110	0.97	-3.82	1.03	2.10	0.55	0.52	60.1	60.4	0.0002
31163350	OP	5	13016	23,858	-0.3963	0.0149	1.09	9.90	1.14	9.90	0.35	0.44	67.7	71.1	-0.0078
31163410	OP	6	654	1,251	-1.7865	0.0579	0.94	-5.31	0.93	-5.25	0.19	0.06	64.7	58.8	-0.0003
31163430	OP	7	253	431	-0.9420	0.0989	0.93	-3.14	0.93	-3.05	0.16	-0.03	65.9	59.6	0.0004
31163530	OP	8	265	631	-1.1717	0.0815	0.93	-4.18	0.93	-4.23	0.16	-0.05	65.6	59.0	-0.0001
31163590	OP	9	269	510	-1.1380	0.0897	0.97	-2.40	0.97	-2.34	0.03	-0.04	61.0	56.4	0.0002
31163630	OP	10	364	817	-1.5961	0.0718	0.96	-2.92	0.95	-3.04	0.13	0.04	62.3	59.0	-0.0003
31163660	OP	11	166	407	-2.5111	0.1039	0.90	-3.71	0.88	-3.33	0.28	0.07	70.3	62.3	-0.0009
31163720	OP	12	4526	9,266	1.1079	0.0223	1.01	0.84	1.00	0.23	0.25	0.26	64.4	64.8	0.0007
31163730	OP	13	409	972	-2.2363	0.0672	0.94	-3.34	0.93	-3.09	0.20	0.11	67.0	62.2	-0.0008
31163750	OP	14	12344	19,389	-0.4526	0.0162	0.94	-9.58	0.92	-6.62	0.39	0.32	72.2	69.2	0.0005
31163770	OP	15	3538	7,480	-0.4652	0.0235	0.97	-6.82	0.97	-6.83	0.11	0.00	61.1	57.6	0.0004
31163780	OP	16	13072	23,858	-0.4142	0.0149	0.82	-9.90	0.78	-9.90	0.56	0.44	78.5	71.1	-0.0024
31163800	OP	17	343	755	-1.0088	0.0741	0.94	-4.72	0.94	-4.62	0.14	-0.02	64.2	57.4	0.0001
31163830	OP	18	779	1,937	0.7957	0.0471	0.97	-2.66	0.96	-2.77	0.10	0.03	63.8	61.2	0.0006
31163850	OP	19	245	456	-1.8546	0.0953	0.93	-4.26	0.93	-4.21	0.16	-0.01	64.7	57.5	-0.0003
31163970	OP	20	298	613	-1.6706	0.0822	0.93	-4.99	0.92	-5.00	0.20	0.02	62.8	57.5	-0.0003
31164050	OP	21	617	1,273	-0.6678	0.0568	0.98	-2.13	0.98	-2.21	0.02	-0.01	58.3	56.5	0.0004
31164080	OP	22	105	181	-2.2712	0.1526	0.96	-1.07	0.96	-1.15	0.06	-0.02	60.8	59.4	-0.0004
31164250	OP	23	922	1,368	-2.0714	0.0585	0.98	-0.95	0.98	-0.98	0.04	0.02	68.1	67.5	–
31164260	OP	24	646	1,450	-2.2639	0.0542	0.94	-5.19	0.93	-4.46	0.20	0.05	66.6	59.9	-0.0007
31164360	OP	25	606	893	-2.7628	0.0734	0.97	-1.05	0.97	-1.00	0.10	0.07	70.4	68.4	-0.0005
31164470	OP	26	148	317	-0.5767	0.1137	0.95	-2.69	0.95	-2.71	0.09	-0.04	60.3	56.5	0.0004
31164530	OP	27	475	1,103	-0.5796	0.0614	0.98	-1.66	0.98	-1.74	0.00	-0.05	59.0	58.3	0.0003
31164590	OP	28	230	440	-0.8084	0.0967	0.97	-2.25	0.96	-2.31	0.09	-0.01	59.1	56.7	0.0004
31164600	OP	29	1450	3,865	0.3187	0.0337	0.94	-6.01	0.93	-6.37	0.13	0.00	66.0	63.3	0.0005
31164660	OP	30	110	272	-1.3647	0.1248	0.94	-2.29	0.93	-2.33	0.16	-0.06	64.3	60.2	-0.0003
31164720	OP	31	18129	23,858	-1.6279	0.0169	1.15	9.90	1.56	9.90	0.21	0.38	77.4	78.9	-0.0285
31164750	OP	32	871	1,860	-1.4304	0.0469	0.95	-8.29	0.94	-8.31	0.13	-0.08	63.6	55.9	-0.0002

Mathematics Grade 3															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31164780	OP	33	3008	4,207	0.5744	0.0360	0.94	-3.86	0.90	-4.18	0.30	0.21	73.0	72.3	0.0007
31164810	OP	34	1325	1,743	-1.7243	0.0566	0.98	-0.56	0.98	-0.78	-0.02	-0.04	76.0	76.0	0.0004
31164840	OP	35	11572	23,858	-0.0708	0.0149	1.04	6.53	1.07	6.61	0.40	0.44	69.8	71.1	-0.0125
31164960	OP	36	263	438	-1.5222	0.0989	0.96	-1.72	0.95	-1.79	0.08	-0.01	64.6	61.0	0.0002
31165130	OP	37	644	1,300	-0.9474	0.0562	0.94	-7.24	0.94	-7.17	0.14	-0.03	65.3	56.2	0.0002
31165210	OP	38	922	2,005	-1.0472	0.0452	0.95	-7.72	0.95	-7.71	0.10	-0.09	63.0	56.1	0.0001
31165240	OP	39	7666	12,856	0.2978	0.0192	0.87	-9.90	0.82	-9.90	0.44	0.27	72.7	65.7	0.0006
31165260	OP	40	208	403	-1.1183	0.1007	0.95	-3.59	0.95	-3.54	0.10	-0.06	62.0	55.8	0.0002
31165290	OP	41	16720	23,858	-1.2860	0.0160	1.02	2.98	1.00	0.05	0.38	0.40	74.7	75.9	0.0118
31165320	OP	42	530	1,153	-0.2787	0.0599	0.95	-4.54	0.95	-4.46	0.07	-0.01	62.7	57.5	0.0005
31165430	OP	43	7407	23,858	0.9037	0.0160	0.97	-3.37	1.16	9.90	0.43	0.42	77.8	76.1	-0.0123
31165550	OP	44	56	114	-2.0074	0.1911	0.92	-2.26	0.91	-2.28	0.23	0.03	64.9	58.1	-0.0004
31165560	OP	45	412	782	-2.4603	0.0731	0.96	-2.71	0.96	-2.53	0.09	0.02	64.3	58.6	-0.0007
31165590	OP	46	654	1,407	-0.4766	0.0544	0.94	-5.92	0.94	-5.86	0.12	0.02	63.9	57.9	0.0004
31165700	OP	47	175	346	-1.5918	0.1090	0.93	-4.37	0.92	-4.37	0.19	-0.02	67.3	56.6	-0.0002
31165730	OP	48	76	196	-1.3500	0.1488	0.92	-2.06	0.92	-1.97	0.24	0.00	68.9	62.0	-0.0004
31165760	OP	49	243	441	-2.3155	0.0972	0.95	-2.99	0.94	-3.05	0.17	-0.02	63.5	58.1	-0.0006
31165840	OP	50	17221	23,858	-1.4176	0.0163	1.02	2.53	1.11	6.01	0.35	0.40	77.4	77.0	0.0130
31165950	OP	51	70	152	-1.7033	0.1655	0.89	-3.48	0.89	-3.51	0.28	0.01	69.1	58.0	-0.0004
31166070	OP	52	537	1,295	-1.6627	0.0570	0.96	-3.57	0.95	-3.76	0.10	-0.06	62.3	59.5	-0.0004
31166240	OP	53	198	298	-3.7200	0.1264	0.95	-1.11	0.93	-1.29	0.17	0.07	68.1	67.7	-0.0010
31166250	OP	54	18397	23,858	-1.7086	0.0171	1.03	3.01	1.03	1.67	0.33	0.38	79.0	79.6	-0.0261
31166270	OP	55	548	1,068	-2.1284	0.0620	0.94	-7.03	0.93	-6.96	0.15	-0.06	66.0	56.2	-0.0005
31166290	OP	56	267	544	-1.1335	0.0866	0.96	-3.38	0.96	-3.41	0.05	-0.06	59.4	55.7	0.0002
31166310	OP	57	349	626	-1.4010	0.0817	0.92	-4.86	0.92	-4.91	0.19	0.00	65.8	58.4	0.0001
31166380	OP	58	724	1,337	-1.7323	0.0558	0.93	-6.33	0.93	-6.38	0.19	0.02	64.2	58.2	-0.0002
31166470	OP	59	323	586	-3.1095	0.0851	0.91	-4.59	0.90	-4.47	0.24	0.03	67.9	59.7	-0.0009
31166590	OP	60	9479	23,858	0.3813	0.0152	0.93	-9.90	1.02	1.74	0.47	0.44	76.7	72.7	0.0078
31166600	OP	61	5352	23,858	1.4592	0.0175	0.82	-9.90	0.96	-1.82	0.49	0.39	84.7	80.8	0.0052
31166660	OP	62	59	161	-1.2413	0.1656	0.94	-1.25	0.93	-1.36	0.15	-0.02	66.5	63.8	-0.0003
31168650	OP	63	10482	23,858	0.1596	0.0150	1.18	9.90	1.32	9.90	0.31	0.44	65.9	71.7	0.0007
31169710	OP	64	12071	23,858	-0.1978	0.0149	1.10	9.90	1.17	9.90	0.37	0.44	67.6	71.0	0.0037
31177310	OP	65	171	329	-1.2939	0.1113	0.96	-2.77	0.96	-2.75	0.04	-0.08	60.5	55.6	0.0001

Mathematics Grade 3															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31177450	OP	66	675	1,710	0.6618	0.0506	0.94	-4.42	0.93	-4.52	0.19	0.07	66.9	62.3	0.0006
31177480	OP	67	871	1,938	-0.6192	0.0464	0.95	-5.89	0.94	-5.86	0.13	0.02	63.1	58.2	0.0003
31177500	OP	68	296	641	-1.0264	0.0799	0.95	-4.22	0.95	-4.26	0.08	-0.08	61.9	56.1	0.0002
31177520	OP	69	75	173	-0.4702	0.1553	0.96	-1.36	0.96	-1.36	0.09	-0.02	65.3	58.4	0.0004
31177590	OP	70	553	1,292	-1.5320	0.0568	0.93	-6.57	0.92	-6.54	0.20	-0.06	65.0	58.4	-0.0003
31177680	OP	71	64	186	-1.2368	0.1558	0.93	-1.48	0.91	-1.67	0.21	-0.06	66.1	65.7	-0.0004
31177870	OP	72	488	725	-1.3598	0.0800	0.97	-1.21	0.96	-1.43	0.05	-0.03	67.2	67.3	0.0004
31177880	OP	73	365	670	-1.5403	0.0786	0.98	-1.58	0.98	-1.53	0.03	-0.02	60.1	57.5	–
31177920	OP	74	896	1,642	-1.2906	0.0507	0.93	-6.97	0.92	-6.93	0.21	0.06	65.2	59.3	0.0001
31177970	OP	75	209	400	-0.7879	0.1015	0.95	-3.26	0.94	-3.30	0.12	-0.01	62.8	56.7	0.0004
31177980	OP	76	105	368	-1.1958	0.1168	0.94	-1.22	0.92	-1.50	0.17	-0.03	72.0	71.5	-0.0005
31178000	OP	77	74	168	-1.1175	0.1573	0.91	-3.05	0.91	-2.96	0.24	-0.02	70.2	58.3	-0.0001
31178050	OP	78	1361	2,787	-0.3042	0.0383	0.95	-9.62	0.94	-9.55	0.10	-0.04	64.0	56.1	0.0005
31178060	OP	79	91	293	-0.7537	0.1275	0.97	-0.58	0.95	-0.84	0.04	-0.04	69.3	69.0	-0.0002
31178070	OP	80	968	2,290	0.4922	0.0433	0.95	-5.00	0.94	-4.95	0.16	0.07	65.2	60.9	0.0006
31178110	OP	81	1076	2,239	1.0174	0.0435	0.90	-9.90	0.90	-9.72	0.30	0.10	67.8	59.8	0.0007
31178120	OP	82	2823	5,837	-0.7977	0.0266	0.96	-9.38	0.96	-9.48	0.14	-0.01	61.6	57.0	0.0003
31178140	OP	83	225	406	-1.5030	0.1010	0.92	-4.45	0.92	-4.42	0.18	-0.04	66.0	57.6	0.0001
31178220	OP	84	241	660	-0.9683	0.0819	0.94	-2.51	0.93	-2.74	0.16	-0.02	66.1	63.8	-0.0001
31178240	OP	85	277	632	-1.8504	0.0821	0.92	-4.50	0.91	-4.38	0.22	0.06	65.7	59.9	-0.0005
31178250	OP	86	4067	8,121	1.1590	0.0238	0.99	-0.88	0.99	-1.09	0.26	0.26	64.5	64.5	0.0007
31178290	OP	87	303	629	-1.7415	0.0809	0.95	-3.67	0.95	-3.60	0.10	-0.02	62.3	56.7	-0.0003
31178300	OP	88	537	1,319	-1.9777	0.0575	0.95	-3.48	0.94	-3.58	0.16	0.06	65.4	61.9	-0.0007
31178340	OP	89	600	1,166	-0.6792	0.0595	0.96	-4.34	0.95	-4.25	0.10	0.02	63.0	57.1	0.0004
31178350	OP	90	566	895	-1.7573	0.0700	0.98	-1.09	0.98	-1.08	-0.02	-0.05	64.0	63.5	0.0001
31178360	OP	91	211	443	-1.0860	0.0960	0.96	-2.99	0.96	-2.96	0.03	-0.08	62.3	55.6	0.0001
31178370	OP	92	475	793	-1.1440	0.0735	0.96	-2.12	0.96	-2.24	0.09	0.01	63.9	60.9	0.0004
31178410	OP	93	255	440	-1.4094	0.0977	0.96	-2.21	0.95	-2.26	0.08	-0.04	63.0	59.0	0.0002
31178420	OP	94	76	220	-1.0482	0.1435	0.93	-1.59	0.91	-1.73	0.20	-0.02	66.8	65.5	-0.0002
31178470	OP	95	1046	2,219	0.1462	0.0433	0.92	-9.60	0.92	-9.58	0.20	0.03	66.2	58.1	0.0006
31178510	OP	96	305	535	-2.1040	0.0884	0.94	-3.19	0.94	-3.18	0.12	-0.03	63.6	58.7	-0.0003
31178540	OP	97	164	417	-1.5636	0.1016	0.92	-3.24	0.91	-3.44	0.21	-0.03	64.7	61.5	-0.0004
31178550	OP	98	7259	13,692	0.5247	0.0185	1.08	9.90	1.10	9.90	0.21	0.30	61.2	65.7	0.0006

Mathematics Grade 3															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31178600	OP	99	15715	23,858	-1.0164	0.0155	1.10	9.90	1.23	9.90	0.32	0.42	71.6	73.8	-0.0087
31178610	OP	100	82	227	-2.4155	0.1432	0.97	-0.66	0.98	-0.35	0.17	0.10	68.3	66.0	-0.0009
31178640	OP	101	87	178	-1.1748	0.1517	0.96	-1.77	0.96	-1.80	0.08	-0.03	58.4	56.3	0.0001
31178660	OP	102	537	884	-1.8150	0.0696	0.94	-3.24	0.94	-3.47	0.12	-0.04	63.6	61.2	–
31178680	OP	103	127	261	-0.5644	0.1254	0.94	-3.07	0.94	-3.12	0.14	-0.02	62.5	56.7	0.0004
31178690	OP	104	253	338	-1.9190	0.1262	1.00	-0.05	1.00	0.04	-0.05	-0.05	74.9	74.9	0.0003
31178700	OP	105	162	322	-0.7531	0.1127	0.95	-3.04	0.95	-2.97	0.12	-0.03	63.0	55.8	0.0003
31178750	OP	106	138	279	-0.6427	0.1209	0.94	-3.40	0.94	-3.35	0.14	-0.05	67.0	55.6	0.0004
31178780	OP	107	527	1,032	-1.0018	0.0631	0.94	-5.77	0.94	-5.71	0.12	-0.01	63.6	56.6	0.0003
31178790	OP	108	527	1,634	-1.6711	0.0542	0.96	-1.84	0.96	-1.76	0.14	0.06	69.8	68.0	-0.0007
31178810	OP	109	570	1,409	-0.6748	0.0552	0.93	-5.33	0.92	-5.34	0.18	0.02	65.9	61.0	0.0002
31178840	OP	110	205	338	-0.0792	0.1137	0.92	-2.72	0.90	-2.82	0.26	0.07	67.8	62.3	0.0006
31178850	OP	111	723	1,656	0.2627	0.0503	0.96	-3.75	0.96	-3.83	0.10	0.01	62.9	58.8	0.0006
31178860	OP	112	49	158	0.5965	0.1741	0.95	-0.74	0.93	-0.94	0.12	-0.01	69.0	69.0	0.0005
31178900	OP	113	3033	5,488	1.2217	0.0289	1.05	5.74	1.08	6.39	0.16	0.23	61.7	64.1	0.0007
31178940	OP	114	400	845	-0.8155	0.0698	0.94	-5.07	0.94	-5.08	0.13	-0.02	64.9	56.8	0.0003
31178950	OP	115	87	188	-0.1509	0.1478	1.02	0.74	1.02	0.69	-0.17	-0.06	52.7	56.7	0.0005
31178970	OP	116	348	724	-1.1912	0.0751	0.94	-5.60	0.94	-5.59	0.13	-0.06	64.9	55.9	–
31178990	OP	117	3356	6,772	-0.7507	0.0247	0.93	-9.90	0.93	-9.90	0.22	0.00	64.4	57.2	0.0003
31179020	OP	118	7541	13,794	0.4501	0.0184	0.92	-9.90	0.90	-9.90	0.39	0.29	69.7	65.5	0.0006
31179050	OP	119	1552	3,082	0.0324	0.0370	0.93	-9.40	0.92	-9.38	0.22	0.09	66.5	59.2	0.0006
31179080	OP	120	5802	11,040	0.7968	0.0204	0.98	-3.60	0.97	-2.89	0.29	0.26	65.3	64.4	0.0007
31179110	OP	121	835	1,817	-0.1371	0.0478	0.95	-5.86	0.94	-5.98	0.10	0.01	62.6	58.0	0.0005
31179120	OP	122	87	177	-0.6762	0.1520	0.89	-4.91	0.89	-4.81	0.34	-0.03	75.7	56.2	0.0003
31179130	OP	123	157	326	-0.4679	0.1122	0.94	-3.68	0.94	-3.60	0.12	-0.03	65.0	56.3	0.0004
31179150	OP	124	553	1,336	-1.1063	0.0562	0.95	-4.21	0.94	-4.34	0.11	-0.03	63.8	59.7	-0.0001
31179170	OP	125	489	1,212	-0.9748	0.0592	0.94	-4.57	0.93	-4.67	0.14	-0.05	63.9	60.4	-0.0001
31179180	OP	126	270	707	-0.3458	0.0783	0.95	-2.55	0.94	-2.72	0.13	-0.01	64.6	62.3	0.0003
31179210	OP	127	303	562	-1.2699	0.0853	0.96	-2.98	0.96	-2.94	0.03	-0.10	60.7	56.0	0.0002
31179250	OP	128	19122	23,858	-1.9576	0.0180	0.86	-9.90	0.67	-9.90	0.46	0.36	83.7	82.0	-0.0009
31179260	OP	129	92	214	-0.7576	0.1396	0.98	-0.80	0.98	-0.78	0.00	-0.05	60.3	58.3	0.0002
31179270	OP	130	327	666	-0.6921	0.0786	0.94	-4.99	0.94	-4.91	0.17	0.00	63.2	56.5	0.0003
31179290	OP	131	281	590	-1.1702	0.0834	0.96	-2.94	0.96	-2.88	0.05	-0.04	59.2	56.3	0.0001

Mathematics Grade 3															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31194540	OP	132	7339	23,858	0.9332	0.0161	1.29	9.90	1.73	9.90	0.18	0.42	69.6	76.3	-0.0241
31194710	OP	133	1734	4,007	-1.6712	0.0331	0.93	-7.79	0.93	-6.61	0.28	0.13	67.5	61.6	-0.0004
31194730	OP	134	685	1,227	-1.4981	0.0581	0.94	-5.72	0.94	-5.71	0.12	-0.05	63.9	57.7	0.0001
31194870	OP	135	1350	2,630	-0.8000	0.0394	0.92	-9.90	0.92	-9.90	0.24	-0.04	67.4	55.7	0.0004
31194890	OP	136	80	169	-2.7592	0.1566	0.95	-1.85	0.95	-1.80	0.10	-0.05	60.9	57.3	-0.0009
31194940	OP	137	9040	23,858	0.4860	0.0153	1.05	7.24	1.21	9.90	0.39	0.44	72.7	73.2	0.0055
31195310	OP	138	228	429	-2.1218	0.0987	0.95	-2.41	0.95	-2.43	0.13	0.03	62.2	58.4	-0.0005
31195320	OP	139	7270	11,344	0.2146	0.0208	1.05	6.45	1.09	6.84	0.18	0.25	65.6	67.0	0.0007
31195390	OP	140	242	593	-2.0715	0.0851	0.91	-4.58	0.90	-4.61	0.24	0.00	68.5	60.8	-0.0007
31195480	OP	141	17119	23,858	-1.3868	0.0162	1.04	5.26	1.03	1.65	0.36	0.40	75.3	76.7	0.0091
31195510	OP	142	20988	23,858	-2.6921	0.0217	0.96	-2.91	1.03	0.81	0.32	0.30	88.8	88.5	0.0197
31195580	OP	143	23360	23,858	-4.7578	0.0471	0.96	-0.93	0.91	-1.35	0.19	0.14	97.9	98.0	0.0386
31195610	OP	144	2086	4,453	-1.7271	0.0314	0.93	-8.80	0.92	-7.88	0.29	0.17	68.5	61.9	-0.0003
31195640	OP	145	406	777	-1.4427	0.0725	0.93	-6.61	0.93	-6.59	0.14	-0.07	64.5	55.9	–
31195670	OP	146	12764	16,451	-0.9828	0.0197	0.95	-5.24	0.87	-7.14	0.31	0.24	78.2	77.6	0.0006
31195690	OP	147	153	394	-0.8080	0.1045	0.94	-2.31	0.93	-2.47	0.13	-0.04	64.7	61.6	0.0001
31195770	OP	148	221	426	-2.9230	0.1004	0.93	-2.77	0.92	-2.71	0.21	0.10	66.0	60.4	-0.0009
31195830	OP	149	321	426	-3.7820	0.1141	0.94	-1.02	0.91	-1.43	0.14	0.00	75.4	75.3	-0.0008
31195860	OP	150	61	119	-0.7384	0.1857	0.95	-1.86	0.95	-1.82	0.15	-0.01	64.7	56.5	0.0003
31195870	OP	151	1046	2,087	-0.8444	0.0447	0.96	-4.19	0.96	-4.12	0.11	0.05	63.2	58.2	0.0003
31195890	OP	152	183	338	-0.7565	0.1107	0.96	-2.14	0.95	-2.20	0.09	0.00	60.1	57.4	0.0004
31195910	OP	153	10642	15,022	-0.4797	0.0191	0.91	-9.90	0.86	-9.73	0.37	0.27	74.9	72.0	0.0006
31195920	OP	154	9703	14,814	-0.1659	0.0185	0.91	-9.90	0.85	-9.90	0.38	0.27	71.9	68.4	0.0006
31195990	OP	155	20339	23,858	-2.3942	0.0200	1.07	5.57	1.33	9.90	0.26	0.32	85.7	86.0	0.0001
31196000	OP	156	3025	6,059	-1.6990	0.0268	0.98	-3.12	0.98	-2.31	0.22	0.16	62.7	61.6	-0.0002
31196020	OP	157	98	190	-1.1680	0.1470	0.96	-1.60	0.96	-1.63	0.07	-0.02	59.5	56.5	0.0001
31196040	OP	158	141	265	-2.4269	0.1254	0.93	-2.79	0.93	-2.74	0.17	0.01	65.3	58.2	-0.0007
31196110	OP	159	83	199	-1.4415	0.1456	0.94	-1.77	0.94	-1.79	0.12	-0.03	62.3	59.6	-0.0003
31196170	OP	160	1562	2,747	-1.9120	0.0390	0.97	-3.60	0.97	-3.65	0.07	-0.04	60.9	58.8	-0.0002
31196190	OP	161	802	1,722	-2.2778	0.0498	0.95	-4.00	0.94	-4.09	0.19	0.08	63.1	60.0	-0.0007
31196210	OP	162	4957	9,286	0.9225	0.0222	0.96	-6.61	0.94	-5.88	0.30	0.24	66.7	64.0	0.0007
31196220	OP	163	299	981	-1.3635	0.0703	0.98	-0.70	0.97	-0.97	0.01	-0.01	69.8	69.6	-0.0006
31196240	OP	164	1245	2,552	-2.1459	0.0410	0.95	-4.85	0.95	-4.20	0.23	0.12	64.7	60.6	-0.0006

Mathematics Grade 3															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31196250	OP	165	17935	23,858	-1.6135	0.0168	0.90	-9.90	0.79	-9.90	0.45	0.38	80.5	78.8	0.0135
31196300	OP	166	354	601	-1.4692	0.0836	0.96	-2.34	0.96	-2.41	0.03	-0.08	63.9	59.4	0.0002
31196310	OP	167	654	1,023	-1.6293	0.0658	0.95	-2.32	0.95	-2.60	0.08	-0.04	65.5	64.1	0.0002
31196320	OP	168	17526	23,858	-1.4996	0.0165	0.83	-9.90	0.72	-9.90	0.51	0.39	82.1	77.7	0.0130
31196330	OP	169	1319	2,365	-0.8083	0.0423	0.95	-5.32	0.94	-5.51	0.13	0.06	63.0	59.5	0.0004
31196340	OP	170	983	1,733	-1.2189	0.0489	0.95	-5.64	0.95	-5.55	0.11	-0.06	64.2	57.9	0.0003
31196360	OP	171	3480	5,582	-0.7555	0.0281	0.97	-3.98	0.96	-4.50	0.08	0.00	64.3	63.0	0.0005
31196420	OP	172	949	1,580	-0.6496	0.0523	0.94	-4.28	0.93	-4.64	0.14	0.03	63.8	61.2	0.0005
31196430	OP	173	9294	13,438	-0.2319	0.0198	0.95	-6.08	0.91	-6.77	0.31	0.25	71.8	70.3	0.0006
31196440	OP	174	2996	4,323	-1.4998	0.0333	0.98	-1.58	0.97	-2.09	0.03	-0.04	69.3	69.3	0.0004
31196450	OP	175	185	396	-0.5043	0.1021	0.97	-1.53	0.97	-1.59	0.06	0.00	60.4	57.0	0.0004
31196470	OP	176	655	1,797	-1.0540	0.0494	0.95	-3.40	0.94	-3.74	0.11	-0.08	64.7	63.6	-0.0002
31196490	OP	177	200	374	-2.1232	0.1056	0.96	-2.18	0.95	-2.07	0.12	0.03	62.3	58.3	-0.0004
31196580	OP	178	338	652	-1.6831	0.0794	0.94	-4.87	0.94	-4.78	0.13	-0.03	63.8	56.6	-0.0002
31196590	OP	179	1669	3,497	-0.6808	0.0342	0.94	-9.90	0.94	-9.90	0.15	-0.04	64.4	56.1	0.0003
31196600	OP	180	935	2,180	-1.4362	0.0438	0.95	-5.72	0.95	-5.82	0.12	-0.04	63.3	58.6	-0.0003
31196610	OP	181	279	691	-1.0554	0.0784	0.97	-1.87	0.96	-2.13	0.05	-0.04	59.8	60.3	-0.0001
31196650	OP	182	330	737	-2.5131	0.0764	0.94	-3.51	0.93	-3.14	0.20	0.08	66.5	60.7	-0.0009
31231500	OP	183	314	622	-1.5129	0.0810	0.96	-3.61	0.96	-3.60	0.06	-0.06	60.5	55.8	-0.0002
31232540	OP	184	1453	2,738	-0.3998	0.0392	0.93	-8.48	0.93	-8.09	0.19	0.07	66.1	59.0	0.0005
31232550	OP	185	433	705	-0.1499	0.0788	0.93	-3.06	0.92	-3.15	0.21	0.05	66.7	62.5	0.0006
31232560	OP	186	237	643	-0.3088	0.0826	0.92	-3.65	0.90	-3.90	0.24	-0.03	66.3	63.4	0.0003
31232570	OP	187	366	675	-0.9903	0.0781	0.96	-3.25	0.96	-3.22	0.09	-0.03	61.6	56.8	0.0003
31232580	OP	188	487	873	-0.7935	0.0691	0.95	-4.07	0.94	-4.09	0.10	-0.01	62.2	58.1	0.0004
31232670	OP	189	965	1,818	0.5035	0.0482	0.97	-2.73	0.97	-2.93	0.14	0.09	61.4	59.3	0.0006
31232680	OP	190	182	714	-1.4516	0.0875	0.93	-1.60	0.90	-2.15	0.17	0.03	74.9	74.6	-0.0008
31233330	OP	191	101	195	-3.2455	0.1474	0.92	-2.59	0.91	-2.43	0.22	0.04	64.6	59.5	-0.0010
31233340	OP	192	171	380	-0.5046	0.1042	0.97	-1.63	0.97	-1.62	0.05	-0.04	60.5	57.2	0.0004
31233350	OP	193	368	721	-0.4607	0.0755	0.95	-4.31	0.95	-4.36	0.07	-0.03	62.0	56.5	0.0005
31155410	FT	2	949	1,264	-1.6814	0.0723	0.98	-0.56	1.02	0.22	0.40	0.38	79.9	78.2	0.0004
31155420	FT	3	851	1,060	-2.0705	0.0856	0.98	-0.50	1.17	1.55	0.37	0.37	83.9	82.1	0.0004
31155440	FT	5	840	1,042	-2.0174	0.0863	0.96	-0.92	0.84	-1.56	0.41	0.35	82.2	82.0	0.0004
31155450	FT	6	863	1,053	-2.1165	0.0880	0.97	-0.65	0.87	-1.15	0.38	0.34	84.1	83.2	0.0004

Mathematics Grade 3															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31155460	FT	7	858	1,062	-2.0387	0.0857	0.92	-1.76	0.91	-0.80	0.41	0.35	84.4	82.2	0.0004
31155470	FT	8	283	1,052	1.1079	0.0776	1.00	0.10	0.95	-0.66	0.39	0.38	76.3	77.0	0.0002
31155480	FT	9	583	1,039	-0.5004	0.0715	1.15	4.76	1.21	3.98	0.34	0.44	65.4	71.1	0.0003
31155500	FT	10	1436	2,279	1.0708	0.0404	1.01	0.21	1.03	1.20	0.49	0.49	63.3	64.2	0.0004
31155510	FT	11	381	1,048	0.5383	0.0729	1.12	3.63	1.17	2.95	0.33	0.42	68.9	73.0	0.0002
31155520	FT	12	110	1,025	2.4564	0.1107	0.96	-0.51	2.12	5.25	0.30	0.32	90.3	89.9	0.0001
31155530	FT	13	361	1,031	0.5890	0.0747	0.89	-3.21	0.92	-1.41	0.50	0.44	78.1	74.0	0.0002
31155540	FT	14	522	1,033	-0.2015	0.0709	0.92	-3.07	0.87	-2.81	0.51	0.43	72.8	70.2	0.0003
31155550	FT	15	145	1,044	2.0806	0.0987	1.11	1.71	2.97	9.63	0.17	0.34	86.9	87.0	0.0001
31155560	FT	16	660	1,046	-0.9016	0.0728	1.13	3.93	1.17	2.86	0.34	0.42	67.5	72.8	0.0003
31155570	FT	17	635	1,061	-0.7437	0.0721	1.06	1.90	1.11	1.88	0.41	0.45	71.6	72.6	0.0003
31155580	FT	18	890	1,032	-2.5397	0.0983	1.02	0.41	1.09	0.62	0.31	0.32	86.6	86.7	0.0005
31155590	FT	19	3309	2,383	-1.3090	0.0352	1.00	-0.09	1.08	1.87	0.53	0.52	62.9	60.9	0.0004
31155610	FT	20	912	1,244	-1.7038	0.0721	0.99	-0.36	1.03	0.40	0.42	0.40	77.6	77.4	0.0004
31155620	FT	21	810	1,117	-1.4762	0.0751	0.82	-5.07	0.75	-3.67	0.53	0.39	82.8	77.1	0.0004
31155630	FT	22	672	1,100	-0.7022	0.0700	0.87	-4.69	0.82	-3.70	0.53	0.42	76.4	71.8	0.0004
31155650	FT	23	860	2,265	1.3029	0.0383	0.95	-1.33	0.76	-2.79	0.55	0.51	76.2	73.5	-0.0002
31155660	FT	24	383	1,032	0.4512	0.0741	0.87	-3.96	0.80	-3.69	0.56	0.45	77.6	73.6	0.0003
31155670	FT	25	863	2,317	1.5658	0.0409	1.15	4.07	1.31	4.91	0.39	0.46	68.8	71.6	0.0001
31155690	FT	27	651	1,100	-0.7052	0.0700	0.84	-5.81	0.87	-2.50	0.55	0.44	79.6	71.6	0.0004
31155700	FT	28	637	1,092	-0.7141	0.0698	1.15	5.09	1.23	4.24	0.32	0.43	65.5	71.2	0.0004
31155710	FT	29	2443	2,259	-0.4181	0.0329	0.93	-2.55	0.91	-2.45	0.62	0.57	56.8	55.4	0.0004
31155720	FT	30	882	1,020	-2.5498	0.0998	0.91	-1.42	1.01	0.13	0.39	0.33	88.3	87.0	0.0004
31155730	FT	31	879	1,091	-2.0226	0.0841	0.98	-0.42	0.92	-0.75	0.38	0.35	82.9	82.1	0.0004
31155740	FT	32	923	1,105	-2.2944	0.0882	0.96	-0.73	1.04	0.41	0.35	0.32	85.5	84.4	0.0004
31155750	FT	33	1626	2,254	0.5099	0.0347	1.19	6.57	1.35	8.68	0.45	0.55	53.3	58.2	0.0003
31155760	FT	34	321	1,068	0.7582	0.0744	1.48	9.90	1.97	9.90	-0.04	0.38	63.3	75.3	0.0003
31155770	FT	35	449	1,235	0.4158	0.0685	0.94	-1.96	0.86	-2.77	0.52	0.46	75.3	74.5	0.0003
31155780	FT	36	700	1,073	-1.0226	0.0725	0.87	-4.40	0.79	-3.60	0.53	0.42	77.3	73.3	0.0004
31155800	FT	37	662	1,053	-0.9377	0.0711	0.84	-6.01	0.79	-4.16	0.54	0.39	78.7	71.0	0.0004
31155810	FT	38	577	1,047	-0.5524	0.0700	1.15	5.19	1.17	3.31	0.29	0.41	64.0	69.6	0.0004
31155820	FT	39	280	1,048	1.0766	0.0787	0.75	-6.79	0.64	-5.43	0.60	0.40	83.8	77.9	0.0002
31155830	FT	40	1837	2,293	0.2050	0.0314	1.15	5.12	1.27	4.91	0.52	0.58	52.9	56.8	0.0003

Mathematics Grade 3															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31155840	FT	41	754	1,060	-1.3828	0.0765	0.96	-1.15	1.07	0.96	0.43	0.41	78.7	76.2	0.0004
31155850	FT	42	780	1,041	-1.7507	0.0795	0.93	-1.86	0.97	-0.36	0.43	0.38	80.5	78.1	0.0004
31155860	FT	43	975	1,063	-3.2187	0.1188	0.90	-1.25	0.60	-2.46	0.36	0.27	92.1	91.8	0.0005
31155870	FT	44	3448	2,278	-1.4934	0.0362	1.11	3.42	1.55	8.18	0.46	0.50	66.9	65.3	0.0005
31155880	FT	45	474	1,036	-0.0007	0.0710	1.24	7.69	1.40	7.39	0.25	0.43	62.4	70.5	0.0003
31155890	FT	46	532	1,054	-0.3137	0.0701	0.96	-1.29	0.93	-1.64	0.47	0.43	70.3	70.3	0.0003
31155900	FT	47	744	1,051	-1.3495	0.0760	1.50	9.90	2.15	9.90	-0.03	0.39	64.1	75.7	0.0004
31155910	FT	48	582	1,026	-0.5617	0.0711	1.08	2.67	1.09	1.70	0.37	0.41	67.9	69.8	0.0003
31155950	FT	49	321	1,019	0.8988	0.0769	1.00	-0.07	1.23	3.15	0.42	0.43	76.7	75.6	0.0002
31155960	FT	50	731	1,029	-1.3981	0.0773	0.98	-0.44	0.98	-0.20	0.42	0.40	75.5	76.2	0.0004
31155970	FT	51	931	1,050	-2.7786	0.1048	0.93	-0.98	0.79	-1.50	0.36	0.29	89.5	89.0	0.0004
31155990	FT	52	2845	2,329	-0.9189	0.0367	1.25	8.70	1.30	9.70	0.38	0.52	52.5	60.6	0.0003
31156000	FT	53	799	1,231	-1.0786	0.0679	0.89	-3.71	0.89	-1.92	0.51	0.43	78.1	73.7	0.0004
31156010	FT	54	562	1,029	-0.5344	0.0717	0.96	-1.45	0.93	-1.42	0.49	0.44	73.4	70.9	0.0003
31156030	FT	55	525	1,041	-0.2313	0.0706	1.10	3.40	1.16	3.37	0.36	0.43	67.1	70.5	0.0003
31156050	FT	56	366	1,049	0.4827	0.0738	1.16	4.48	1.26	4.10	0.31	0.43	68.3	73.9	0.0003
31156060	FT	57	549	1,025	-0.4724	0.0721	1.00	-0.11	0.97	-0.60	0.47	0.45	71.5	71.2	0.0003
31156070	FT	58	658	1,042	-0.9043	0.0726	0.95	-1.50	0.94	-0.96	0.46	0.42	74.3	72.2	0.0004
31156080	FT	59	730	1,037	-1.2879	0.0768	1.02	0.54	1.02	0.32	0.41	0.41	73.7	75.7	0.0004
31156100	FT	60	261	1,040	1.2533	0.0813	1.02	0.49	1.16	1.84	0.38	0.41	78.7	79.3	0.0002
31156120	FT	61	394	1,040	0.4610	0.0734	0.86	-4.30	0.82	-3.35	0.55	0.44	78.5	73.4	0.0003
31156160	FT	63	669	1,038	-1.0267	0.0736	1.02	0.53	0.97	-0.49	0.42	0.42	72.7	73.0	0.0004
31156170	FT	64	726	1,031	-0.9280	0.0758	0.91	-2.53	0.91	-1.40	0.47	0.38	78.0	74.9	0.0003
31156180	FT	65	764	1,037	-1.5296	0.0789	0.87	-3.57	0.75	-3.23	0.50	0.39	80.4	77.4	0.0004
31156190	FT	66	2884	2,245	-0.9792	0.0357	0.94	-2.41	0.94	-1.61	0.58	0.54	60.9	59.0	0.0004
31156210	FT	67	777	1,026	-1.7515	0.0815	0.97	-0.74	0.95	-0.44	0.42	0.39	79.1	78.8	0.0004
31156220	FT	68	436	1,055	0.2359	0.0711	0.98	-0.61	0.99	-0.15	0.45	0.43	72.2	71.7	0.0003
31156230	FT	69	2455	2,280	-0.4352	0.0342	1.08	2.96	1.08	2.42	0.52	0.54	54.9	56.3	0.0003
31156240	FT	70	714	1,018	-1.3602	0.0777	1.02	0.46	1.11	1.38	0.40	0.42	76.4	75.9	0.0004
31156250	FT	71	746	1,062	-1.3489	0.0758	1.03	0.81	1.03	0.47	0.39	0.41	75.4	75.7	0.0004
31156260	FT	72	756	1,033	-1.5028	0.0793	0.92	-2.13	0.92	-0.88	0.46	0.41	81.2	77.7	0.0004
31156300	FT	73	396	1,068	0.4708	0.0726	1.03	0.81	1.13	2.42	0.41	0.44	73.6	73.5	0.0003
31156310	FT	74	572	1,041	-0.4306	0.0718	0.96	-1.29	0.96	-0.71	0.49	0.45	72.1	71.5	0.0003

Mathematics Grade 3															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31156320	FT	75	781	1,039	-1.6886	0.0805	0.94	-1.53	0.89	-1.27	0.46	0.39	79.8	78.7	0.0004
31156330	FT	76	862	1,024	-2.3166	0.0940	0.88	-2.22	0.73	-2.29	0.45	0.34	86.7	85.1	0.0004
31156340	FT	77	511	1,030	-0.2776	0.0717	0.95	-1.62	0.94	-1.17	0.49	0.45	73.8	71.0	0.0003
31156370	FT	78	856	1,062	-2.0265	0.0859	0.94	-1.36	0.88	-1.18	0.41	0.36	83.8	82.4	0.0004
31156380	FT	79	435	1,024	0.1041	0.0721	0.99	-0.34	0.97	-0.53	0.46	0.43	71.5	71.2	0.0003
31213680	FT	258	249	1,073	1.2415	0.0820	1.46	9.38	2.22	9.90	0.05	0.41	72.6	80.3	0.0002
31213950	FT	259	828	1,041	-1.2063	0.0810	1.00	-0.05	0.96	-0.52	0.27	0.25	79.6	79.7	0.0003
31214530	FT	260	762	1,025	-1.5758	0.0804	0.84	-4.20	0.74	-3.13	0.53	0.40	81.4	78.2	0.0004
31214630	FT	261	264	1,035	1.1365	0.0800	1.28	6.37	1.77	7.85	0.15	0.39	73.4	78.4	0.0002
31215020	FT	262	772	1,060	-1.5310	0.0776	1.15	3.70	1.44	4.65	0.28	0.40	74.1	77.1	0.0004
31215320	FT	263	377	1,019	0.4433	0.0736	1.16	4.79	1.40	6.51	0.28	0.42	68.5	72.7	0.0003
31215700	FT	264	815	1,021	-2.0286	0.0868	0.98	-0.49	0.89	-0.98	0.40	0.37	82.6	82.0	0.0004
31215720	FT	265	253	1,030	1.2043	0.0810	1.21	4.76	1.75	7.72	0.20	0.39	74.6	78.9	0.0002
31215760	FT	266	1594	2,283	0.7514	0.0392	1.09	3.37	1.12	4.15	0.44	0.50	64.9	63.3	0.0003
31215820	FT	267	457	1,043	0.0485	0.0714	1.05	1.72	1.16	3.02	0.40	0.44	71.6	71.2	0.0003
31216080	FT	268	509	1,066	-0.1914	0.0697	1.35	9.90	1.53	9.90	0.15	0.43	56.5	70.3	0.0003
31216550	FT	269	1026	1,081	-3.8201	0.1439	0.90	-0.87	0.45	-2.97	0.31	0.20	94.9	94.9	0.0005

Table J.8. IRT Item-Level Statistics—Mathematics Grade 4

Mathematics Grade 4															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31156700	OP	1	20108	23,826	0.8658	0.0106	1.09	9.90	1.20	9.90	0.47	0.54	52.3	56.5	0.0009
31157190	OP	2	21075	23,826	0.7614	0.0106	1.39	9.90	1.45	9.90	0.35	0.54	49.9	56.0	0.0008
31163440	OP	3	8523	23,826	1.2412	0.0155	1.07	9.03	1.15	9.90	0.37	0.42	72.3	73.9	-0.0214
31163500	OP	4	375	968	-1.1278	0.0669	0.96	-2.10	0.96	-1.95	0.08	-0.03	63.3	61.8	0.0005
31163650	OP	5	1353	2,742	-0.9965	0.0386	0.96	-8.33	0.95	-8.33	0.10	-0.06	62.7	55.7	0.0005
31163790	OP	6	1255	2,680	0.1147	0.0390	0.98	-3.78	0.98	-3.77	0.01	-0.07	58.8	55.9	0.0007
31164040	OP	7	96	211	-0.6707	0.1394	0.91	-4.42	0.91	-4.44	0.29	-0.08	66.8	56.3	0.0005
31164300	OP	8	479	993	-0.6648	0.0641	0.98	-2.92	0.97	-2.93	0.00	-0.07	59.0	55.5	0.0006
31164700	OP	9	6508	11,446	1.1469	0.0201	0.98	-3.03	0.96	-3.76	0.27	0.24	65.2	64.7	0.0009
31164860	OP	10	21280	23,826	-2.1717	0.0225	1.05	2.98	1.11	3.06	0.24	0.26	89.3	89.8	0.0536

Mathematics Grade 4															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31164920	OP	11	19707	23,826	-1.4856	0.0185	0.92	-7.42	0.86	-6.26	0.39	0.32	83.9	83.1	0.0007
31164970	OP	12	10875	12,350	-1.9800	0.0294	0.86	-7.57	0.60	-9.90	0.41	0.28	88.3	88.1	-0.0059
31164990	OP	13	10196	11,476	-2.0549	0.0313	0.90	-5.08	0.81	-4.38	0.36	0.26	88.9	88.8	-0.0047
31165100	OP	14	16457	23,826	-0.5877	0.0157	1.08	9.90	1.13	8.35	0.32	0.39	71.8	74.1	0.0202
31165140	OP	15	1454	3,398	-0.5011	0.0350	0.94	-8.99	0.94	-9.09	0.16	-0.07	63.9	58.2	0.0006
31165400	OP	16	19292	23,826	-1.3986	0.0181	1.02	1.54	1.03	1.31	0.33	0.33	81.9	82.2	0.0526
31165420	OP	17	418	905	-0.9928	0.0674	0.94	-5.48	0.94	-5.53	0.13	-0.06	63.9	56.5	0.0005
31165460	OP	18	240	418	-1.9929	0.1003	0.98	-0.86	0.98	-0.84	0.02	-0.04	62.2	59.4	0.0005
31165470	OP	19	935	1,962	-0.3879	0.0456	0.97	-5.61	0.96	-5.62	0.06	-0.07	60.1	55.7	0.0006
31165480	OP	20	396	925	-0.8691	0.0670	0.95	-4.02	0.95	-4.07	0.11	-0.09	62.6	58.1	0.0005
31165650	OP	21	10802	23,826	0.7065	0.0149	0.98	-3.66	0.99	-1.40	0.43	0.43	72.8	71.2	-0.0065
31165690	OP	22	4223	8,328	1.7288	0.0233	1.08	9.90	1.11	9.90	0.10	0.21	58.2	63.5	0.0010
31165810	OP	23	1540	3,717	-0.1103	0.0336	0.96	-5.90	0.96	-6.06	0.08	-0.06	61.6	59.2	0.0006
31165990	OP	24	984	2,152	-0.7362	0.0437	0.95	-7.11	0.95	-7.10	0.10	-0.07	62.4	56.5	0.0005
31166010	OP	25	7511	11,476	-0.3058	0.0219	1.08	8.06	1.08	4.39	0.32	0.40	68.6	72.1	-0.0564
31166220	OP	26	17979	23,826	-1.0064	0.0167	0.94	-7.50	0.84	-8.75	0.43	0.36	78.8	78.0	0.0477
31166450	OP	27	12226	23,826	0.3953	0.0148	1.14	9.90	1.22	9.90	0.33	0.43	65.5	70.6	-0.0072
31174020	OP	28	12438	23,826	0.3254	0.0148	0.92	-9.90	0.90	-9.90	0.48	0.43	73.8	70.5	0.0167
31174350	OP	29	962	2,656	-0.4462	0.0412	1.00	-0.22	1.00	0.22	0.07	0.06	66.3	64.2	0.0005
31174460	OP	30	664	1,355	-0.0791	0.0548	0.95	-6.24	0.95	-6.27	0.09	-0.06	62.1	55.5	0.0007
31174500	OP	31	734	1,727	-0.4952	0.0492	0.94	-6.39	0.93	-6.48	0.15	-0.06	62.5	58.5	0.0006
31174540	OP	32	363	840	0.4296	0.0704	0.97	-2.38	0.97	-2.32	0.06	-0.03	62.7	58.3	0.0007
31174650	OP	33	741	1,886	-0.9553	0.0479	0.96	-3.45	0.95	-3.40	0.12	0.00	64.7	61.5	0.0005
31174680	OP	34	1993	3,718	-0.1904	0.0334	0.93	-9.90	0.93	-9.90	0.24	0.02	65.3	57.8	0.0007
31174870	OP	35	368	852	-0.1769	0.0697	0.96	-3.34	0.96	-3.37	0.07	-0.09	62.7	57.5	0.0006
31174910	OP	36	1813	3,709	0.4070	0.0332	0.95	-9.90	0.95	-9.90	0.12	-0.06	62.1	55.7	0.0008
31174940	OP	37	13419	19,570	-0.1477	0.0167	0.95	-7.08	0.93	-5.59	0.39	0.32	73.9	71.6	0.0008
31175000	OP	38	602	1,515	0.3599	0.0530	0.95	-4.08	0.94	-4.37	0.11	-0.06	62.2	60.6	0.0007
31175040	OP	39	9954	23,826	0.8923	0.0150	0.93	-9.90	0.94	-6.05	0.46	0.43	75.6	72.0	-0.0033
31175060	OP	40	710	2,332	-0.4674	0.0457	0.95	-2.79	0.94	-3.14	0.17	0.01	70.2	69.6	0.0005
31175150	OP	41	946	2,253	0.6079	0.0431	0.98	-2.78	0.97	-2.90	0.01	-0.07	60.6	58.7	0.0008
31175520	OP	42	971	2,207	0.5652	0.0433	0.97	-3.46	0.97	-3.46	0.01	-0.07	59.9	57.3	0.0008
31175880	OP	43	8078	12,350	-0.3735	0.0213	1.18	9.90	1.34	9.90	0.24	0.40	67.5	72.8	0.0126

Mathematics Grade 4															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31175890	OP	44	266	689	-0.3752	0.0798	0.93	-2.99	0.92	-3.29	0.24	0.05	65.2	63.1	0.0005
31176010	OP	45	238	385	-1.0583	0.1058	0.99	-0.54	0.98	-0.54	-0.03	-0.07	62.1	62.0	0.0006
31176130	OP	46	498	1,049	-1.4489	0.0629	0.96	-3.71	0.96	-3.51	0.10	-0.01	63.9	57.3	0.0005
31176140	OP	47	6545	11,476	0.1300	0.0213	1.09	9.90	1.16	9.90	0.34	0.42	67.3	70.5	-0.0399
31176250	OP	48	14376	19,240	-0.4661	0.0177	0.85	-9.90	0.73	-9.90	0.48	0.29	78.9	75.4	0.0008
31176290	OP	49	534	1,316	-0.3563	0.0566	0.94	-5.29	0.93	-5.57	0.17	-0.07	63.1	59.9	0.0006
31176360	OP	50	1117	3,138	1.3224	0.0377	0.97	-2.49	0.97	-2.68	0.03	-0.04	65.7	64.6	0.0008
31193760	OP	51	489	988	0.3160	0.0643	0.95	-5.86	0.95	-5.95	0.12	-0.05	61.7	55.8	0.0008
31193790	OP	52	10849	23,826	0.7019	0.0149	0.92	-9.90	0.92	-8.98	0.49	0.43	75.1	71.2	-0.0123
31193800	OP	53	15541	23,826	-0.2830	0.0152	0.75	-9.90	0.65	-9.90	0.60	0.41	81.7	72.1	-0.0683
31193810	OP	54	1108	3,232	-0.5284	0.0377	0.95	-4.20	0.94	-4.41	0.18	0.04	67.5	65.9	0.0005
31193820	OP	55	14976	23,826	-0.2320	0.0151	0.97	-4.51	0.94	-4.84	0.43	0.41	72.4	71.8	0.0125
31193830	OP	56	2553	4,808	0.4722	0.0293	0.96	-7.62	0.96	-7.81	0.11	0.00	61.1	57.5	0.0008
31193870	OP	57	86	191	0.3919	0.1467	0.94	-2.65	0.93	-2.67	0.16	-0.06	63.9	56.8	0.0008
31193880	OP	58	1282	3,828	0.4163	0.0352	0.91	-7.86	0.87	-8.22	0.33	0.14	69.1	66.9	0.0007
31193900	OP	59	1349	3,034	-0.1980	0.0381	1.04	3.52	1.04	3.26	0.14	0.19	58.5	62.4	0.0006
31194620	OP	60	3673	6,565	1.0763	0.0266	1.02	2.16	1.03	2.35	0.23	0.26	63.4	64.9	0.0010
31194740	OP	61	479	1,164	-0.2492	0.0602	0.95	-3.49	0.95	-3.62	0.09	-0.05	63.1	59.6	0.0006
31194750	OP	62	1099	3,906	2.3630	0.0362	0.95	-3.30	0.93	-4.11	0.13	0.03	73.3	72.0	0.0010
31194830	OP	63	862	1,925	0.2075	0.0462	0.96	-5.43	0.96	-5.50	0.06	-0.10	60.6	56.6	0.0007
31195100	OP	64	193	503	-0.2755	0.0925	0.94	-2.38	0.94	-2.57	0.13	-0.06	62.2	61.8	0.0006
31195120	OP	65	3578	7,547	-0.6984	0.0237	0.93	-9.90	0.92	-9.90	0.27	0.10	66.0	59.5	0.0006
31195130	OP	66	3876	5,890	0.6460	0.0291	0.90	-9.64	0.84	-8.75	0.38	0.24	72.8	68.1	0.0009
31195460	OP	67	3442	8,774	-0.2420	0.0225	0.96	-7.02	0.95	-6.14	0.22	0.12	66.5	62.7	0.0006
31195490	OP	68	7916	12,350	-0.2640	0.0211	0.84	-9.90	0.76	-9.90	0.53	0.41	77.7	72.2	-0.0250
31195500	OP	69	8716	12,350	-0.5337	0.0216	0.93	-7.03	0.90	-5.04	0.42	0.39	76.3	73.9	-0.1282
31195520	OP	70	18776	23,826	-1.1887	0.0173	0.94	-6.80	0.91	-4.68	0.40	0.34	81.2	79.9	0.0007
31195540	OP	71	340	769	-0.6661	0.0733	0.93	-5.89	0.92	-5.92	0.20	-0.07	64.9	57.4	0.0005
31195550	OP	72	9174	11,476	-1.1341	0.0246	0.84	-9.90	0.74	-9.85	0.43	0.34	83.2	79.3	-0.1372
31195570	OP	73	18982	23,826	-1.2882	0.0177	0.96	-4.48	0.85	-7.37	0.39	0.33	81.3	81.0	0.0390
31195620	OP	74	1679	4,003	2.6301	0.0341	0.93	-6.29	0.92	-6.25	0.28	0.19	69.7	65.5	0.0011
31195650	OP	75	8618	14,352	0.7319	0.0183	1.00	-0.57	0.98	-1.86	0.30	0.28	66.0	66.5	0.0009
31195730	OP	76	18965	23,826	-1.2840	0.0176	0.96	-4.70	0.82	-8.70	0.40	0.34	80.9	80.9	0.0400

Mathematics Grade 4															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31195760	OP	77	10275	14,489	0.1698	0.0194	0.93	-9.40	0.90	-6.76	0.36	0.25	75.0	71.8	0.0009
31195780	OP	78	8636	23,826	1.2375	0.0155	1.19	9.90	1.33	9.90	0.27	0.42	68.3	73.9	-0.0441
31195820	OP	79	11990	22,362	0.2787	0.0153	1.14	9.90	1.22	9.90	0.32	0.43	65.4	70.7	0.0008
31195850	OP	80	283	814	0.4482	0.0742	0.94	-2.41	0.93	-2.79	0.14	-0.07	66.0	65.2	0.0007
31195880	OP	81	616	1,658	0.1343	0.0513	0.93	-4.83	0.92	-5.18	0.20	-0.04	65.1	63.0	0.0006
31195930	OP	82	16967	23,826	-0.7374	0.0160	0.92	-9.90	0.84	-9.90	0.46	0.38	77.6	75.4	0.0441
31196030	OP	83	751	1,909	0.4228	0.0473	0.98	-1.57	0.98	-1.75	-0.01	-0.06	61.9	60.9	0.0007
31196050	OP	84	19551	23,826	-1.4824	0.0185	0.97	-2.76	1.03	1.07	0.36	0.32	83.3	83.1	0.0518
31196070	OP	85	802	1,464	0.0485	0.0585	1.18	7.64	1.30	7.23	0.22	0.39	62.2	68.9	0.0008
31196090	OP	86	8009	12,350	-0.3679	0.0213	1.04	3.93	1.05	2.51	0.38	0.40	71.6	72.8	0.0386
31196100	OP	87	2661	4,217	0.6701	0.0325	0.95	-4.85	0.94	-5.17	0.15	0.04	65.8	63.8	0.0009
31196130	OP	88	7957	15,060	-0.3617	0.0173	1.12	9.90	1.14	9.90	0.09	0.25	56.6	64.2	0.0007
31196150	OP	89	1598	4,549	2.8870	0.0331	1.04	3.13	1.05	3.16	0.13	0.19	67.2	69.3	0.0011
31196160	OP	90	7333	17,452	1.2419	0.0174	1.05	6.32	1.16	9.90	0.34	0.40	70.8	70.6	0.0009
31196200	OP	91	1197	2,131	-0.4987	0.0441	0.97	-3.23	0.97	-3.20	0.02	-0.05	60.7	57.7	0.0007
31196230	OP	92	4927	10,320	1.6731	0.0210	1.01	1.16	1.01	1.19	0.24	0.24	64.4	64.6	0.0010
31196280	OP	93	6967	11,476	-0.1364	0.0216	1.06	6.91	1.08	4.51	0.36	0.41	68.6	71.2	0.0334
31196290	OP	94	1941	4,513	0.0994	0.0303	0.95	-9.58	0.94	-9.67	0.13	-0.06	63.8	58.1	0.0007
31231720	OP	95	9531	23,826	1.0148	0.0151	1.11	9.90	1.19	9.90	0.33	0.43	69.2	72.6	-0.0296
31238470	OP	96	28215	23,826	-0.0036	0.0102	1.05	5.64	1.02	1.88	0.51	0.54	55.7	55.2	0.0008
31238480	OP	97	31110	23,826	-0.2931	0.0103	1.02	2.59	1.03	2.14	0.52	0.53	57.7	57.0	0.0007
31247910	OP	98	674	2,009	-0.6611	0.0480	0.94	-3.93	0.93	-4.03	0.20	0.01	68.5	66.6	0.0005
31156400	FT	1	752	1,157	-0.2688	0.0693	0.92	-2.75	0.88	-2.23	0.48	0.41	75.6	72.7	0.0002
31156410	FT	2	1971	1,500	-0.2506	0.0407	0.99	-0.38	1.01	0.15	0.55	0.53	57.4	56.7	0.0002
31156420	FT	3	348	1,158	1.4824	0.0724	1.02	0.68	1.11	1.88	0.38	0.41	75.4	75.9	0.0002
31156430	FT	4	470	1,147	0.8888	0.0682	0.99	-0.23	1.01	0.27	0.44	0.43	71.5	71.9	0.0002
31156450	FT	5	619	1,152	0.2561	0.0672	1.64	9.90	2.00	9.90	-0.09	0.43	48.3	70.5	0.0002
31156460	FT	6	836	1,492	1.6878	0.0456	1.24	6.21	1.36	6.68	0.37	0.51	57.1	63.3	0.0002
31156470	FT	7	1368	1,509	0.7362	0.0414	0.95	-1.45	0.94	-1.69	0.59	0.56	56.6	55.6	0.0002
31156480	FT	8	651	1,171	0.1714	0.0671	0.85	-5.56	0.81	-4.49	0.56	0.44	76.1	71.1	0.0002
31156490	FT	9	532	1,358	1.0032	0.0624	0.97	-1.34	0.94	-1.53	0.45	0.40	72.5	71.3	0.0002
31156500	FT	10	277	1,186	1.9581	0.0773	1.08	1.87	1.37	4.42	0.31	0.39	78.5	80.1	0.0002
31156510	FT	11	276	1,157	1.9108	0.0774	0.88	-3.04	0.74	-3.78	0.50	0.39	81.1	79.5	0.0002

Mathematics Grade 4															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31156520	FT	12	868	1,493	1.6627	0.0469	1.36	9.31	1.44	9.32	0.28	0.50	50.0	63.2	0.0003
31156530	FT	13	346	1,149	1.5371	0.0728	1.29	7.56	1.68	9.85	0.15	0.41	70.1	76.1	0.0002
31156540	FT	14	471	1,143	0.9177	0.0680	0.98	-0.72	0.95	-1.13	0.44	0.42	71.2	71.3	0.0002
31156550	FT	15	1037	1,160	-2.1424	0.1007	0.88	-1.74	0.58	-3.26	0.39	0.27	89.6	89.4	0.0002
31156560	FT	16	962	1,144	-1.5671	0.0871	0.87	-2.65	0.72	-2.56	0.43	0.32	85.7	84.4	0.0002
31156570	FT	17	1428	1,484	0.5503	0.0411	0.87	-4.39	0.86	-3.65	0.62	0.56	58.6	54.9	0.0002
31156580	FT	18	747	1,154	-0.3275	0.0688	0.82	-6.75	0.72	-5.73	0.57	0.40	78.9	72.1	0.0002
31156590	FT	19	802	1,201	-0.3834	0.0684	0.83	-6.22	0.77	-4.29	0.56	0.40	80.7	73.0	0.0002
31156610	FT	20	810	1,400	0.0474	0.0607	0.97	-1.36	0.94	-1.48	0.44	0.41	71.2	70.2	0.0002
31156620	FT	21	576	1,147	0.4568	0.0674	1.04	1.37	1.01	0.36	0.42	0.44	68.4	70.8	0.0002
31156630	FT	22	446	1,159	1.0421	0.0686	0.90	-3.36	0.82	-4.15	0.52	0.43	74.4	72.4	0.0002
31156660	FT	23	726	1,496	2.1121	0.0506	1.18	4.71	1.35	7.04	0.36	0.49	62.2	67.3	0.0003
31156670	FT	24	584	1,137	0.3570	0.0675	0.97	-1.14	0.93	-1.71	0.46	0.43	71.2	70.2	0.0002
31156680	FT	25	3193	2,364	-0.2384	0.0318	1.04	1.33	1.09	1.81	0.55	0.56	59.3	59.8	0.0002
31156690	FT	26	1018	2,176	0.8154	0.0484	1.16	8.11	1.25	8.02	0.27	0.41	64.8	69.5	0.0002
31156710	FT	28	203	1,143	2.4326	0.0855	0.96	-0.74	1.35	3.28	0.31	0.34	85.7	83.8	0.0002
31156730	FT	29	690	1,883	2.6925	0.0490	1.17	4.71	1.43	8.28	0.28	0.43	67.6	71.7	0.0004
31156740	FT	30	203	2,032	3.3692	0.0792	0.95	-0.84	0.91	-0.78	0.29	0.26	90.4	90.3	0.0002
31156750	FT	31	766	1,967	1.2441	0.0525	0.99	-0.40	1.03	0.83	0.42	0.42	73.2	72.0	0.0002
31156760	FT	32	1250	1,589	-1.0914	0.0664	1.09	2.60	1.19	2.54	0.24	0.34	78.7	79.8	0.0002
31156770	FT	33	1345	1,611	-1.5426	0.0722	0.92	-1.97	0.94	-0.61	0.38	0.31	85.6	83.9	0.0002
31156780	FT	34	1415	2,028	1.3666	0.0395	1.12	4.19	1.13	4.05	0.43	0.51	54.7	60.4	0.0002
31156790	FT	35	563	1,137	0.5572	0.0678	0.92	-2.77	0.91	-2.04	0.50	0.44	73.7	70.9	0.0002
31156810	FT	36	369	1,144	1.4713	0.0720	0.96	-1.17	0.87	-2.47	0.47	0.42	75.4	75.1	0.0002
31156820	FT	37	1028	1,144	-2.2289	0.1021	0.96	-0.56	1.00	0.03	0.27	0.23	90.0	89.9	0.0002
31156830	FT	38	2787	2,135	-0.4298	0.0312	1.00	-0.16	1.06	0.95	0.53	0.52	54.0	53.7	0.0002
31156850	FT	39	326	1,204	1.7717	0.0734	0.96	-1.10	0.96	-0.64	0.43	0.40	79.2	77.8	0.0002
31156860	FT	40	573	1,195	0.6051	0.0655	1.24	8.23	1.34	7.71	0.23	0.42	60.8	70.3	0.0002
31156890	FT	41	1049	1,208	-1.8097	0.0906	0.99	-0.12	1.08	0.68	0.29	0.29	87.2	86.9	0.0002
31156900	FT	42	991	1,192	-1.4818	0.0836	0.90	-2.06	0.73	-2.65	0.42	0.33	84.8	83.6	0.0002
31156910	FT	43	1052	1,201	-1.8920	0.0932	0.91	-1.53	0.82	-1.36	0.37	0.29	87.8	87.6	0.0002
31156920	FT	44	933	1,511	-0.4188	0.0590	0.86	-6.37	0.80	-4.44	0.52	0.40	76.7	70.3	0.0002
31156930	FT	45	1686	1,860	0.5276	0.0376	1.08	2.61	1.08	2.38	0.51	0.55	51.7	55.0	0.0002

Mathematics Grade 4															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31156940	FT	46	703	1,141	-0.1808	0.0685	0.99	-0.31	1.04	0.73	0.43	0.41	71.9	71.5	0.0002
31156950	FT	47	972	1,636	-0.2963	0.0559	1.09	4.08	1.13	3.03	0.31	0.39	66.0	69.1	0.0002
31156960	FT	48	1482	1,485	0.4013	0.0398	0.92	-2.51	0.90	-2.27	0.62	0.57	56.6	54.1	0.0002
31156970	FT	49	794	1,162	-0.5387	0.0700	0.94	-2.07	0.95	-0.71	0.44	0.39	77.1	73.2	0.0002
31156980	FT	50	2270	1,485	-0.8693	0.0426	0.82	-5.16	0.69	-4.08	0.58	0.47	69.6	63.2	0.0002
31156990	FT	51	2158	1,918	0.0818	0.0380	0.95	-1.96	0.93	-2.34	0.55	0.51	60.3	56.8	0.0002
31157000	FT	52	796	1,153	-0.5199	0.0711	0.82	-6.09	0.77	-3.75	0.55	0.40	81.0	73.9	0.0002
31157010	FT	53	971	1,159	-1.5204	0.0856	0.88	-2.48	1.14	1.17	0.41	0.32	84.9	84.0	0.0002
31157020	FT	54	833	1,149	-0.8129	0.0731	0.93	-2.11	0.96	-0.50	0.44	0.38	79.6	75.8	0.0002
31157030	FT	55	788	1,143	-0.5443	0.0715	0.92	-2.69	0.83	-2.69	0.49	0.40	77.1	74.4	0.0002
31157040	FT	56	362	1,139	1.4177	0.0723	0.96	-1.29	0.88	-2.16	0.47	0.42	76.6	75.2	0.0002
31157050	FT	57	871	1,136	-1.0800	0.0766	1.04	1.02	1.43	4.65	0.30	0.35	78.9	78.3	0.0002
31157060	FT	58	242	1,159	2.2861	0.0815	1.12	2.65	1.66	5.89	0.26	0.39	81.0	81.6	0.0002
31157070	FT	59	363	1,196	1.4233	0.0713	1.33	8.52	1.70	9.90	0.12	0.41	69.0	76.2	0.0002
31157080	FT	60	201	1,172	2.4290	0.0864	0.93	-1.32	1.04	0.46	0.38	0.36	86.3	84.5	0.0002
31157090	FT	61	877	1,503	1.5935	0.0453	1.02	0.67	1.11	2.30	0.49	0.52	59.5	62.6	0.0002
31157100	FT	62	839	1,189	-0.6705	0.0706	0.93	-2.26	0.83	-2.63	0.46	0.39	75.8	74.5	0.0002
31157110	FT	63	1496	1,585	0.6953	0.0415	1.07	2.16	1.07	2.16	0.51	0.54	53.4	56.0	0.0002
31157120	FT	64	1120	1,488	1.1230	0.0438	1.10	2.82	1.13	3.39	0.50	0.54	59.2	58.7	0.0002
31157130	FT	65	321	1,145	1.6948	0.0745	1.04	1.20	0.98	-0.29	0.40	0.41	75.0	77.1	0.0002
31157140	FT	66	634	1,149	0.2818	0.0674	1.03	0.95	1.02	0.39	0.42	0.43	69.4	70.8	0.0002
31157150	FT	67	691	1,138	-0.1650	0.0681	1.00	0.03	1.04	0.78	0.41	0.41	70.7	70.9	0.0002
31157170	FT	68	797	1,156	-0.5661	0.0708	0.88	-3.91	0.76	-3.88	0.51	0.39	77.0	73.9	0.0002
31157180	FT	69	202	1,140	2.3947	0.0858	1.06	1.20	1.10	1.08	0.31	0.35	83.2	83.9	0.0002
31157200	FT	71	916	1,146	-1.2379	0.0802	0.94	-1.39	0.89	-1.14	0.40	0.34	81.2	80.8	0.0002
31157210	FT	72	1528	1,489	0.3996	0.0432	0.91	-2.94	0.90	-2.94	0.60	0.55	56.4	56.5	0.0002
31157230	FT	73	634	1,148	0.1177	0.0667	1.00	-0.13	1.01	0.15	0.42	0.41	70.3	69.6	0.0002
31157240	FT	74	415	1,192	1.2065	0.0691	0.96	-1.35	0.89	-2.28	0.47	0.42	74.0	74.0	0.0002
31157270	FT	75	760	1,225	-0.2129	0.0656	0.90	-3.89	0.84	-3.48	0.49	0.40	74.4	70.6	0.0002
31157280	FT	76	433	1,243	1.2144	0.0681	0.95	-1.45	0.89	-2.40	0.49	0.44	75.3	74.6	0.0002
31157290	FT	77	1094	1,499	1.0565	0.0407	1.08	2.21	1.07	1.20	0.56	0.58	58.2	59.3	0.0002
31157310	FT	78	628	1,146	0.1287	0.0674	0.84	-6.18	0.79	-5.12	0.57	0.43	76.2	70.7	0.0002
31157320	FT	79	997	1,493	1.1905	0.0414	0.96	-0.96	0.94	-1.13	0.58	0.57	60.8	60.5	0.0002

Mathematics Grade 4															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31157340	FT	80	766	1,149	-0.5049	0.0701	0.95	-1.62	0.98	-0.24	0.45	0.41	75.7	73.1	0.0002
31157360	FT	81	540	1,159	0.5485	0.0672	0.88	-4.53	0.85	-3.83	0.54	0.44	77.1	71.0	0.0002
31157370	FT	82	323	1,142	1.5643	0.0742	0.77	-6.68	0.66	-6.44	0.60	0.41	82.7	77.1	0.0002
31216730	FT	175	640	1,160	0.2688	0.0669	1.16	5.58	1.17	3.67	0.31	0.43	62.9	70.5	0.0002
31217060	FT	176	387	1,142	1.2512	0.0718	0.86	-4.40	0.79	-4.10	0.55	0.44	79.8	75.2	0.0002
31217090	FT	177	329	1,139	1.6139	0.0744	0.97	-0.74	1.15	2.23	0.42	0.42	78.1	76.8	0.0002
31217330	FT	178	674	1,142	-0.0673	0.0676	1.22	7.68	1.33	6.24	0.22	0.41	62.3	70.5	0.0002
31217360	FT	179	833	1,146	-0.8282	0.0730	1.02	0.50	1.07	0.89	0.36	0.37	75.7	75.5	0.0002
31217820	FT	180	778	1,136	-0.5930	0.0711	1.16	4.98	1.27	3.71	0.26	0.39	69.0	73.4	0.0002
31217880	FT	181	934	1,138	-1.4324	0.0836	0.94	-1.39	0.84	-1.45	0.38	0.33	83.7	82.6	0.0002
31218130	FT	182	799	1,278	-0.1359	0.0654	0.87	-4.90	0.79	-4.41	0.54	0.43	77.9	72.1	0.0002
31218320	FT	183	2282	2,661	-1.6678	0.0594	0.90	-2.75	0.78	-2.82	0.40	0.31	86.1	85.9	0.0002
31218440	FT	184	1074	3,327	1.4475	0.0420	1.20	9.68	1.40	9.90	0.23	0.41	69.7	74.9	0.0002
31218560	FT	185	670	1,135	-0.1484	0.0679	0.87	-4.95	0.83	-3.64	0.53	0.41	76.4	70.1	0.0002
31219090	FT	186	1041	1,496	-0.6632	0.0619	0.96	-1.31	0.97	-0.53	0.41	0.37	74.6	73.7	0.0002
31219310	FT	187	1163	1,755	-0.2632	0.0566	0.90	-4.24	0.84	-3.47	0.50	0.41	75.9	72.7	0.0002
31219340	FT	188	2274	3,993	0.1357	0.0362	0.80	-9.90	0.74	-9.90	0.59	0.42	79.7	70.6	0.0002

Table J.9. IRT Item-Level Statistics—Mathematics Grade 5

Mathematics Grade 5															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31157510	OP	1	23045	22,249	0.6203	0.0115	0.89	-9.90	0.89	-9.90	0.58	0.50	60.9	58.4	0.0006
31157630	OP	2	21937	22,249	0.7389	0.0102	1.23	9.90	1.33	9.90	0.41	0.53	46.8	52.9	0.0007
31158250	OP	3	20092	22,249	0.8917	0.0096	1.19	9.90	1.32	9.90	0.49	0.55	50.2	53.7	0.0007
31158290	OP	4	38518	22,249	-1.1971	0.0136	0.93	-5.56	1.07	2.41	0.42	0.38	79.3	77.0	0.0003
31162830	OP	5	439	982	0.2048	0.0650	0.96	-3.00	0.96	-2.96	0.07	0.00	61.6	57.8	0.0004
31162960	OP	6	146	415	-0.9369	0.1048	0.96	-1.08	0.96	-1.01	0.09	0.03	67.0	65.3	-0.0002
31163240	OP	7	207	508	-0.6712	0.0919	0.96	-1.70	0.95	-1.84	0.10	0.04	63.8	61.2	-0.0001
31163270	OP	8	169	607	-0.4943	0.0919	0.98	-0.57	0.96	-0.79	0.06	0.01	72.3	72.2	-0.0002
31163280	OP	9	353	735	-0.5230	0.0748	0.96	-3.61	0.95	-3.63	0.11	-0.01	61.8	56.8	0.0001
31163300	OP	10	134	378	-0.5621	0.1092	0.92	-2.46	0.90	-2.63	0.24	0.02	68.5	65.0	-0.0001

Mathematics Grade 5															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31163310	OP	11	931	2,115	-0.4480	0.0443	0.95	-5.91	0.95	-5.91	0.13	-0.03	62.6	57.7	0.0001
31163320	OP	12	1054	2,536	0.0905	0.0408	0.94	-6.87	0.93	-7.16	0.17	0.00	63.8	59.9	0.0003
31164380	OP	13	8053	11,088	-0.4392	0.0232	1.05	5.02	1.22	8.99	0.26	0.36	74.6	75.0	-0.0597
31164410	OP	14	160	334	0.1789	0.1112	0.96	-2.05	0.96	-2.05	0.09	0.01	63.8	57.2	0.0005
31166510	OP	15	34	101	-0.3577	0.2131	0.95	-0.66	0.94	-0.81	0.10	-0.03	67.3	66.4	–
31166570	OP	16	597	1,176	0.6698	0.0593	0.97	-2.60	0.98	-2.04	0.09	0.03	62.0	56.9	0.0007
31166580	OP	17	840	2,079	0.2284	0.0453	0.97	-2.98	0.96	-3.17	0.08	0.00	63.8	60.6	0.0003
31166820	OP	18	72	137	-0.9082	0.1734	0.96	-1.58	0.95	-1.57	0.10	-0.01	61.3	56.7	–
31167010	OP	19	184	364	-0.4747	0.1064	0.99	-0.41	0.99	-0.42	-0.01	0.01	58.0	56.8	0.0002
31167060	OP	20	153	368	-0.1277	0.1075	0.94	-2.50	0.93	-2.57	0.17	0.03	63.6	60.2	0.0002
31167610	OP	21	693	1,462	0.0044	0.0532	0.99	-1.42	0.99	-1.54	0.02	0.01	58.2	57.3	0.0004
31167630	OP	22	1299	2,338	-0.5568	0.0421	0.97	-3.49	0.97	-3.70	0.06	-0.01	59.6	57.8	0.0002
31168920	OP	23	15968	22,249	-0.4779	0.0165	0.98	-2.74	0.97	-1.79	0.39	0.36	75.9	75.4	0.0292
31169670	OP	24	222	497	-1.1076	0.0920	0.93	-3.72	0.92	-3.65	0.19	0.02	67.0	58.9	-0.0001
31169730	OP	25	14517	22,249	-0.1191	0.0157	1.12	9.90	1.17	9.90	0.27	0.38	68.2	72.2	0.0422
31169790	OP	26	751	1,473	0.1817	0.0529	0.96	-5.04	0.95	-5.11	0.10	0.01	62.4	56.8	0.0006
31169810	OP	27	55	167	-0.2180	0.1670	0.93	-1.14	0.91	-1.33	0.18	0.01	67.7	67.2	–
31169860	OP	28	1011	2,573	0.8999	0.0411	0.96	-3.96	0.95	-3.84	0.15	0.05	64.2	61.9	0.0006
31169910	OP	29	3005	8,360	0.2587	0.0235	1.00	0.47	1.03	2.41	0.14	0.14	66.3	65.2	0.0003
31169930	OP	30	4606	8,530	1.6569	0.0234	0.93	-9.90	0.90	-9.20	0.36	0.26	69.1	64.6	0.0009
31170260	OP	31	8629	11,088	-0.8013	0.0247	0.92	-6.44	0.80	-7.84	0.40	0.33	79.6	78.9	-0.0312
31170290	OP	32	109	229	-0.8390	0.1359	0.97	-1.10	0.96	-0.94	0.13	0.10	61.6	58.7	–
31170340	OP	33	766	1,459	0.0140	0.0532	0.95	-5.56	0.95	-5.58	0.14	0.01	61.1	57.0	0.0005
31170440	OP	34	2526	11,105	2.4244	0.0263	1.15	9.37	1.71	9.90	0.26	0.37	80.2	82.2	-0.1391
31170520	OP	35	50	102	-0.8017	0.2002	0.90	-3.61	0.90	-3.58	0.24	-0.06	68.6	55.9	–
31170540	OP	36	7352	11,105	-0.1582	0.0224	0.94	-6.00	0.91	-4.75	0.43	0.38	74.5	72.6	0.0274
31170560	OP	37	403	610	-0.6787	0.0865	0.99	-0.40	0.99	-0.46	-0.02	-0.02	66.6	66.2	0.0004
31170570	OP	38	17764	22,249	-1.0327	0.0183	1.05	5.12	1.26	9.90	0.27	0.32	81.0	81.4	0.0549
31170590	OP	39	9868	16,188	0.6781	0.0173	0.96	-6.92	0.95	-4.68	0.35	0.29	68.9	66.5	0.0008
31170600	OP	40	12897	22,249	0.3126	0.0152	1.13	9.90	1.19	9.90	0.27	0.40	64.1	69.8	-0.0052
31170640	OP	41	5791	11,088	0.6238	0.0214	1.08	9.65	1.12	8.51	0.32	0.40	66.4	69.2	-0.0223
31173160	OP	42	9716	11,105	-1.6458	0.0306	0.92	-4.06	0.86	-3.46	0.33	0.27	88.1	87.6	0.0071
31173300	OP	43	487	1,382	0.8411	0.0570	0.96	-2.35	0.95	-2.69	0.12	0.01	65.9	65.0	0.0006

Mathematics Grade 5															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31173310	OP	44	5935	7,031	-0.5395	0.0341	1.02	0.81	1.14	3.46	0.17	0.20	84.3	84.4	0.0008
31173340	OP	45	759	1,423	-0.9308	0.0539	0.94	-6.15	0.94	-6.02	0.14	-0.01	65.1	57.2	–
31173380	OP	46	566	1,286	-1.0305	0.0573	0.96	-3.62	0.95	-3.52	0.14	0.03	62.6	58.9	-0.0001
31173400	OP	47	234	634	-0.0358	0.0835	0.97	-1.13	0.96	-1.38	0.06	0.01	63.7	63.5	0.0001
31173620	OP	48	335	752	0.4431	0.0745	0.95	-3.28	0.95	-3.10	0.14	0.02	62.8	58.3	0.0005
31173630	OP	49	632	1,453	-0.5419	0.0535	0.95	-5.02	0.95	-4.99	0.12	-0.04	62.8	58.0	0.0001
31173720	OP	50	9654	13,927	0.4413	0.0194	0.90	-9.90	0.85	-9.90	0.38	0.25	73.4	70.1	0.0008
31173890	OP	51	525	1,156	0.2031	0.0599	0.95	-4.94	0.94	-4.99	0.13	0.01	61.7	57.7	0.0004
31173910	OP	52	873	2,364	-0.2541	0.0435	0.95	-4.27	0.94	-4.05	0.19	0.06	66.6	63.7	–
31173920	OP	53	13387	22,249	0.1381	0.0154	0.86	-9.90	0.79	-9.90	0.52	0.39	75.9	70.5	0.0557
31173970	OP	54	15579	22,249	-0.3817	0.0163	0.99	-0.77	0.98	-1.47	0.37	0.37	74.4	74.5	0.0363
31173980	OP	55	58	175	-0.7166	0.1631	0.96	-0.76	0.94	-0.96	0.12	0.01	68.6	67.0	-0.0002
31174060	OP	56	6188	10,405	1.2073	0.0214	0.86	-9.90	0.81	-9.90	0.46	0.27	74.2	65.4	0.0009
31174150	OP	57	1045	2,002	0.2593	0.0454	0.93	-9.42	0.92	-9.45	0.22	0.02	64.1	57.2	0.0006
31174180	OP	58	272	580	-0.9899	0.0845	0.96	-2.43	0.96	-2.46	0.09	0.01	61.0	57.7	-0.0001
31174240	OP	59	1778	3,168	0.0383	0.0363	0.97	-4.81	0.96	-4.88	0.10	0.01	61.4	58.5	0.0006
31174260	OP	60	566	1,277	0.7208	0.0572	0.99	-0.88	0.99	-0.92	0.04	0.02	59.0	58.4	0.0007
31174590	OP	61	80	237	-0.9943	0.1400	0.94	-1.28	0.93	-1.22	0.16	0.02	68.8	66.5	-0.0002
31174600	OP	62	6397	11,105	0.2909	0.0216	1.13	9.90	1.19	9.90	0.28	0.40	64.3	70.0	0.0357
31174620	OP	63	1080	1,925	-0.1052	0.0466	0.99	-1.46	0.99	-1.40	0.01	0.02	59.7	58.6	0.0005
31174750	OP	64	792	1,745	0.7836	0.0489	0.96	-4.39	0.96	-4.33	0.11	0.03	63.8	58.0	0.0007
31174840	OP	65	1174	2,492	0.4932	0.0408	0.90	-9.90	0.90	-9.90	0.29	0.04	68.8	57.8	0.0006
31174880	OP	66	821	2,528	1.6364	0.0431	0.95	-3.33	0.93	-3.79	0.14	0.03	68.8	67.8	0.0008
31174960	OP	67	1638	3,237	0.4499	0.0357	0.91	-9.90	0.91	-9.90	0.27	0.03	68.8	57.2	0.0007
31175070	OP	68	10668	15,893	0.3831	0.0180	0.99	-1.57	1.00	-0.11	0.30	0.28	70.6	69.3	0.0008
31175280	OP	69	16234	22,249	-0.5454	0.0167	0.95	-6.11	0.96	-2.43	0.39	0.35	77.3	76.1	0.0241
31175310	OP	70	14408	22,249	-0.0658	0.0156	1.05	7.27	1.10	7.11	0.35	0.38	70.3	71.8	0.0151
31175390	OP	71	779	1,597	0.0413	0.0506	0.94	-8.76	0.93	-8.63	0.17	-0.03	65.4	56.1	0.0004
31175600	OP	72	164	400	-1.1943	0.1038	0.93	-2.85	0.91	-2.89	0.19	0.03	65.0	61.0	-0.0002
31175610	OP	73	773	1,545	-0.0728	0.0516	0.95	-5.95	0.95	-5.81	0.11	0.00	63.9	56.5	0.0004
31175650	OP	74	268	604	0.3351	0.0832	0.93	-4.30	0.92	-4.24	0.19	0.03	66.6	58.5	0.0005
31175730	OP	75	99	224	0.3013	0.1361	0.99	-0.56	0.98	-0.64	-0.01	-0.02	57.6	57.8	0.0005
31176600	OP	76	12062	22,249	0.5228	0.0151	0.83	-9.90	0.79	-9.90	0.56	0.40	77.9	69.3	-0.0231

Mathematics Grade 5															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31177220	OP	77	3049	11,105	2.0171	0.0243	0.89	-9.04	0.88	-5.98	0.50	0.39	80.8	78.2	-0.0546
31191970	OP	78	799	2,115	-0.3660	0.0458	0.94	-4.72	0.93	-4.48	0.21	0.06	66.6	63.1	–
31192000	OP	79	693	1,949	-0.4746	0.0483	0.94	-3.97	0.92	-4.14	0.20	0.06	67.5	65.0	–
31192020	OP	80	1151	2,162	-0.5348	0.0436	0.96	-5.79	0.96	-5.68	0.09	-0.02	61.4	56.8	0.0002
31192040	OP	81	532	1,155	-0.9548	0.0598	0.94	-5.73	0.94	-5.63	0.15	-0.03	65.7	57.0	-0.0001
31192050	OP	82	113	245	-1.5726	0.1307	0.97	-0.99	0.99	-0.26	0.06	0.01	59.6	58.3	-0.0002
31192060	OP	83	8410	12,236	0.5887	0.0207	0.91	-9.90	0.91	-5.81	0.37	0.25	74.1	70.0	0.0008
31192070	OP	84	1758	3,400	0.3854	0.0347	0.96	-7.84	0.96	-7.89	0.12	-0.01	61.4	56.5	0.0007
31192080	OP	85	3585	6,352	1.8143	0.0271	0.99	-1.69	0.98	-1.21	0.26	0.24	65.6	64.2	0.0009
31192090	OP	86	414	556	-1.1267	0.0983	0.96	-0.94	0.93	-1.31	0.13	0.00	74.6	74.5	0.0004
31192110	OP	87	744	1,256	0.2106	0.0583	0.99	-0.38	0.99	-0.46	0.01	0.02	60.7	60.6	0.0007
31192120	OP	88	497	1,013	-0.9007	0.0637	0.95	-4.77	0.95	-4.83	0.10	-0.02	62.0	56.4	–
31192140	OP	89	501	1,443	0.9336	0.0559	0.93	-4.05	0.91	-4.49	0.20	-0.01	67.1	65.4	0.0006
31192150	OP	90	593	1,288	-0.1383	0.0568	0.96	-3.92	0.95	-3.95	0.12	0.03	62.6	58.0	0.0003
31192180	OP	91	15607	22,249	-0.3659	0.0162	0.91	-9.90	0.84	-9.90	0.44	0.37	76.5	74.3	0.0127
31192270	OP	92	827	1,946	0.5483	0.0465	0.95	-4.70	0.95	-4.74	0.13	0.01	63.6	59.1	0.0006
31192300	OP	93	1141	2,075	-0.7260	0.0447	0.98	-2.61	0.98	-2.60	0.03	0.00	60.0	57.8	0.0001
31192340	OP	94	456	961	0.1362	0.0655	0.96	-3.70	0.96	-3.72	0.07	0.00	60.8	56.9	0.0005
31192460	OP	95	12159	17,469	0.1308	0.0176	1.01	1.38	1.04	3.02	0.27	0.28	71.4	71.0	0.0007
31192530	OP	96	673	1,263	-0.0692	0.0570	0.95	-6.21	0.94	-6.21	0.13	-0.03	63.1	56.5	0.0005
31192580	OP	97	129	182	-2.7055	0.1661	0.95	-0.62	0.92	-0.95	0.15	0.01	72.0	71.2	-0.0002
31192620	OP	98	5948	11,088	0.5780	0.0214	0.93	-9.00	0.91	-7.07	0.45	0.40	72.5	69.2	-0.0486
31192630	OP	99	3087	5,811	2.0185	0.0283	0.98	-1.86	0.98	-1.93	0.28	0.26	64.6	64.5	0.0010
31192650	OP	100	258	401	-1.8489	0.1058	0.94	-1.82	0.93	-1.85	0.13	0.00	67.8	64.6	-0.0001
31192670	OP	101	760	1,423	-0.8395	0.0538	0.96	-5.00	0.95	-5.00	0.11	-0.02	61.9	56.9	0.0001
31192790	OP	102	1355	2,193	0.1588	0.0447	0.99	-0.63	0.99	-0.64	0.04	0.04	63.5	62.7	0.0007
31192880	OP	103	1349	2,455	-0.4981	0.0411	0.96	-5.66	0.96	-5.48	0.09	0.00	62.6	57.7	0.0003
31193080	OP	104	278	615	-1.1035	0.0823	0.96	-2.28	0.96	-2.14	0.11	0.00	64.4	58.0	-0.0001
31193090	OP	105	976	2,473	0.0227	0.0416	0.95	-5.41	0.94	-5.63	0.14	-0.03	64.0	61.0	0.0002
31193140	OP	106	8525	11,088	-0.7889	0.0247	1.03	2.57	1.13	4.49	0.30	0.34	78.5	78.7	0.0212
31193230	OP	107	1559	3,952	1.7054	0.0333	0.95	-5.50	0.94	-5.62	0.17	0.07	65.6	62.6	0.0009
31194110	OP	108	2631	6,079	-0.2895	0.0266	0.97	-4.85	0.97	-3.22	0.19	0.11	64.6	60.4	0.0002
31194120	OP	109	91	134	-2.6623	0.1884	0.93	-1.02	0.90	-1.27	0.21	-0.01	69.4	68.5	-0.0002

Mathematics Grade 5															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31194130	OP	110	206	388	-1.7442	0.1037	0.93	-3.46	0.93	-3.25	0.16	0.01	66.5	58.2	-0.0002
31194140	OP	111	1079	2,441	0.1637	0.0412	0.93	-9.81	0.92	-9.74	0.20	-0.03	65.7	57.8	0.0004
31194170	OP	112	493	786	-1.8268	0.0747	0.96	-1.87	0.96	-1.88	0.08	-0.03	63.6	63.2	-0.0001
31194200	OP	113	8171	11,105	-0.5125	0.0235	1.01	0.48	0.99	-0.55	0.33	0.36	75.3	75.8	-0.0507
31194220	OP	114	1113	2,146	-0.6568	0.0437	0.93	-9.90	0.93	-9.90	0.19	-0.04	65.7	56.2	0.0001
31194230	OP	115	10572	16,586	0.5000	0.0174	1.01	0.87	1.04	3.09	0.30	0.29	68.5	67.8	0.0008
31194240	OP	116	342	658	0.2300	0.0789	0.94	-5.69	0.93	-5.62	0.19	-0.03	65.7	56.1	0.0006
31194250	OP	117	8424	11,105	-0.5492	0.0236	0.86	-9.90	0.79	-8.90	0.42	0.36	80.7	76.2	-0.1627
31194260	OP	118	750	1,503	-0.8087	0.0523	0.95	-5.95	0.95	-5.94	0.13	-0.01	62.9	56.5	–
31194270	OP	119	9841	11,088	-1.5716	0.0300	0.79	-9.90	0.63	-9.90	0.35	0.27	89.2	87.1	-0.1992
31194280	OP	120	11100	22,249	0.7192	0.0151	1.31	9.90	1.48	9.90	0.15	0.41	57.4	69.4	0.0006
31194310	OP	121	1042	2,277	-0.3484	0.0426	0.95	-6.77	0.95	-6.83	0.12	-0.02	62.4	57.1	0.0001
31194320	OP	122	14213	22,249	-0.0273	0.0156	0.99	-1.36	0.95	-4.13	0.39	0.38	71.2	71.5	0.0241
31194330	OP	123	250	479	-1.4578	0.0927	0.95	-3.29	0.95	-3.22	0.11	-0.03	62.2	56.9	-0.0001
31194340	OP	124	851	1,677	0.1259	0.0495	0.97	-4.26	0.97	-4.26	0.06	-0.01	59.0	56.4	0.0005
31194350	OP	125	7674	9,887	0.2969	0.0252	1.01	0.86	1.03	1.32	0.19	0.21	77.5	77.5	0.0009
31194360	OP	126	194	658	1.1978	0.0867	0.93	-2.00	0.91	-2.22	0.22	0.03	71.9	70.6	0.0006
31194370	OP	127	751	2,228	0.4260	0.0455	0.92	-4.93	0.90	-5.71	0.21	0.02	68.1	66.5	0.0003
31194380	OP	128	3003	5,070	0.7150	0.0291	0.97	-3.88	0.97	-4.01	0.11	0.05	62.9	60.8	0.0008
31194390	OP	129	18995	22,249	-1.4616	0.0205	0.95	-3.69	0.85	-5.73	0.34	0.28	86.1	85.9	0.0336
31194410	OP	130	7927	11,403	-0.2523	0.0220	0.90	-9.90	0.85	-8.28	0.43	0.32	75.8	71.7	0.0006
31194440	OP	131	2143	4,716	2.5589	0.0318	0.94	-5.28	0.94	-4.77	0.33	0.25	69.2	66.0	0.0010
31194460	OP	132	7326	22,249	1.6241	0.0161	1.28	9.90	1.58	9.90	0.15	0.40	68.2	74.5	0.0007
31194500	OP	133	1038	1,902	-0.2234	0.0467	0.96	-4.40	0.96	-4.34	0.07	0.00	61.0	57.5	0.0004
31194510	OP	134	5206	8,252	1.2799	0.0242	0.88	-9.90	0.84	-9.90	0.41	0.23	72.6	66.0	0.0009
31194520	OP	135	2434	4,257	0.4270	0.0315	0.93	-9.90	0.92	-9.90	0.23	0.03	64.6	59.4	0.0007
31231670	OP	136	8995	22,249	1.2529	0.0155	1.02	2.39	1.07	6.22	0.39	0.41	71.7	71.6	-0.0430
31232470	OP	137	19385	22,249	-1.6518	0.0216	1.02	1.55	1.05	1.68	0.27	0.27	87.4	87.7	0.0562
31232650	OP	138	184	312	-1.3828	0.1171	0.95	-1.81	0.95	-1.70	0.09	0.02	66.3	60.7	–
31233080	OP	139	285	598	-0.9295	0.0830	0.94	-4.01	0.94	-4.02	0.12	-0.01	63.7	57.0	–
31233210	OP	140	1566	3,287	0.9076	0.0354	0.97	-4.85	0.97	-4.75	0.09	0.00	61.0	57.0	0.0007
31233240	OP	141	862	1,726	-0.1548	0.0487	0.98	-3.50	0.97	-3.56	0.04	-0.03	58.5	55.9	0.0003
31233310	OP	142	8077	11,088	-0.4431	0.0232	1.10	8.84	1.26	9.90	0.25	0.36	72.4	75.0	-0.0692

Mathematics Grade 5															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
41141210	OP	143	2203	4,356	0.9598	0.0309	0.93	-9.90	0.93	-9.90	0.21	0.04	65.3	57.8	0.0008
41141530	OP	144	145	420	-0.0210	0.1040	0.98	-0.54	0.98	-0.52	0.03	0.01	66.9	65.7	0.0001
41144130	OP	145	85	200	0.3206	0.1445	0.94	-2.23	0.93	-2.35	0.14	-0.05	61.0	58.6	0.0005
41145860	OP	146	105	202	-1.1103	0.1428	0.92	-3.26	0.92	-3.33	0.20	-0.02	62.9	56.7	–
31157380	FT	1	903	1,156	-0.9874	0.0768	0.92	-1.92	0.83	-1.88	0.39	0.32	80.2	79.2	0.0002
31157390	FT	2	102	1,159	3.6949	0.1203	0.95	-0.55	0.87	-0.72	0.38	0.35	92.7	92.6	0.0001
31157400	FT	3	321	1,177	1.9649	0.0738	0.93	-1.76	0.85	-2.55	0.46	0.40	78.0	77.8	0.0002
31157420	FT	4	723	1,215	0.1847	0.0650	1.10	3.73	1.25	4.97	0.30	0.39	65.9	69.7	0.0003
31157430	FT	5	788	1,185	-0.1142	0.0679	0.99	-0.18	1.04	0.68	0.38	0.37	72.5	72.2	0.0003
31157440	FT	6	1542	1,519	0.6445	0.0394	0.99	-0.45	1.02	0.56	0.56	0.55	49.4	52.5	0.0002
31157450	FT	7	450	1,161	1.2724	0.0678	1.04	1.40	1.15	3.21	0.35	0.41	71.8	71.5	0.0002
31157460	FT	8	242	1,157	2.2323	0.0807	1.01	0.14	0.88	-1.62	0.40	0.37	80.9	81.9	0.0002
31157470	FT	9	1808	1,511	0.0750	0.0430	1.09	2.89	1.22	5.39	0.43	0.49	52.6	57.1	0.0002
31157480	FT	10	1177	1,544	1.3892	0.0442	1.07	2.02	1.08	2.23	0.44	0.49	54.0	58.8	0.0003
31157490	FT	11	753	1,173	-0.0502	0.0674	0.87	-4.89	0.79	-3.98	0.50	0.38	76.2	71.2	0.0002
31157500	FT	12	571	1,165	0.8004	0.0662	0.78	-9.25	0.74	-6.80	0.62	0.42	80.6	69.6	0.0002
31157520	FT	14	952	1,512	1.5623	0.0412	1.15	4.09	1.24	4.05	0.46	0.54	53.2	60.3	0.0002
31157530	FT	15	728	1,173	0.0491	0.0674	1.15	5.12	1.31	5.39	0.28	0.41	65.8	71.2	0.0002
31157540	FT	16	208	1,176	2.7500	0.0857	0.85	-3.16	0.73	-3.01	0.47	0.36	86.2	84.5	0.0002
31157560	FT	17	357	1,156	1.6265	0.0722	0.93	-2.02	1.11	1.79	0.45	0.42	79.6	75.6	0.0002
31157570	FT	18	309	1,159	1.9307	0.0758	0.84	-4.28	0.71	-4.79	0.56	0.42	81.4	78.6	0.0002
31157580	FT	19	659	1,182	0.4380	0.0654	1.00	0.12	1.02	0.56	0.40	0.40	68.3	69.1	0.0003
31157590	FT	20	436	1,159	1.3737	0.0684	0.79	-7.75	0.69	-7.49	0.60	0.41	79.8	72.1	0.0002
31157610	FT	21	666	1,155	0.2971	0.0668	1.15	5.62	1.16	2.95	0.28	0.41	61.3	69.6	0.0002
31157620	FT	22	515	1,225	1.1305	0.0659	0.98	-0.79	1.01	0.14	0.45	0.43	72.2	71.4	0.0002
31157640	FT	24	758	1,163	-0.0618	0.0683	1.07	2.45	1.11	1.89	0.33	0.39	68.2	71.5	0.0003
31157650	FT	25	842	1,162	-0.4697	0.0718	0.85	-4.82	0.83	-2.70	0.49	0.35	81.3	75.2	0.0003
31157660	FT	26	1434	1,518	0.8476	0.0376	0.95	-1.60	0.99	-0.25	0.58	0.55	54.1	51.5	0.0002
31157680	FT	27	518	1,160	0.9874	0.0669	1.11	3.84	1.15	3.46	0.34	0.42	66.0	70.3	0.0002
31157690	FT	28	837	1,154	-0.5311	0.0724	1.00	0.10	1.08	1.00	0.36	0.36	74.7	75.3	0.0003
31157710	FT	29	108	1,152	3.5017	0.1130	1.04	0.47	1.42	2.40	0.25	0.32	91.5	91.6	0.0002
31157720	FT	30	846	1,162	-0.5109	0.0728	0.85	-4.52	0.69	-4.38	0.51	0.37	78.6	75.9	0.0003
31157730	FT	31	1590	1,516	0.5995	0.0425	0.97	-0.82	0.97	-0.96	0.54	0.51	57.6	56.7	0.0002

Mathematics Grade 5															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31157740	FT	32	426	1,155	1.3524	0.0691	0.76	-8.66	0.67	-7.70	0.63	0.42	79.8	72.8	0.0002
31157750	FT	33	950	1,151	-1.2369	0.0838	1.00	0.01	1.06	0.56	0.31	0.32	83.5	83.1	0.0003
31157760	FT	34	1589	1,532	0.6159	0.0425	1.07	2.21	1.07	1.92	0.46	0.50	55.1	56.9	0.0002
31157770	FT	35	901	1,168	-0.7836	0.0761	0.85	-4.05	0.74	-3.25	0.48	0.35	81.8	78.6	0.0003
31157780	FT	36	1302	1,555	1.1319	0.0407	0.95	-1.66	0.98	-0.50	0.56	0.52	55.5	54.9	0.0002
31157800	FT	37	968	1,173	-1.1373	0.0837	0.96	-0.88	0.95	-0.41	0.37	0.34	84.4	83.3	0.0003
31157820	FT	38	1326	1,508	0.9756	0.0424	1.05	1.64	1.04	1.28	0.48	0.51	54.8	55.8	0.0003
31157830	FT	39	374	1,154	1.6159	0.0709	0.84	-5.06	0.74	-5.44	0.56	0.40	78.2	74.5	0.0002
31157840	FT	40	423	1,183	1.4952	0.0684	1.10	3.31	1.26	4.98	0.30	0.41	69.7	73.0	0.0002
31157850	FT	41	589	1,164	0.6892	0.0665	0.95	-1.82	0.95	-1.22	0.47	0.43	71.8	70.0	0.0003
31157860	FT	42	883	1,162	-0.7001	0.0750	1.05	1.44	1.11	1.29	0.30	0.35	76.9	77.8	0.0003
31157870	FT	43	538	1,159	0.9160	0.0664	0.92	-3.10	0.89	-2.63	0.49	0.42	72.9	69.6	0.0003
31157880	FT	44	809	1,162	-0.3431	0.0704	0.86	-4.90	0.73	-4.30	0.51	0.38	77.2	73.9	0.0003
31157890	FT	45	501	1,165	1.0625	0.0665	0.89	-4.26	0.87	-3.20	0.51	0.41	75.4	70.0	0.0003
31157900	FT	46	953	1,507	1.9435	0.0493	0.89	-3.41	0.90	-3.13	0.59	0.49	68.0	63.4	0.0007
31157910	FT	47	711	1,168	0.1918	0.0669	0.85	-6.07	0.78	-4.65	0.54	0.40	76.0	70.3	0.0003
31157920	FT	48	681	1,170	0.3027	0.0662	1.00	0.02	0.97	-0.65	0.41	0.40	68.6	69.5	0.0003
31157930	FT	49	1190	1,519	1.3212	0.0430	0.97	-0.88	1.00	0.06	0.53	0.52	55.3	57.3	0.0003
31157940	FT	50	282	1,155	2.1517	0.0774	1.12	2.80	1.52	6.25	0.26	0.39	79.1	79.7	0.0002
31157970	FT	51	662	1,156	0.3602	0.0666	0.92	-3.05	0.88	-2.59	0.48	0.40	72.3	69.7	0.0003
31157980	FT	52	1442	1,506	0.7938	0.0422	0.85	-4.97	0.85	-4.36	0.63	0.53	59.9	55.7	0.0002
31157990	FT	53	1104	1,165	-2.6277	0.1354	1.05	0.49	1.99	3.89	0.12	0.19	94.8	94.8	0.0004
31158000	FT	54	1100	1,178	-2.3949	0.1215	0.96	-0.35	0.83	-0.93	0.26	0.21	93.4	93.4	0.0003
31158010	FT	55	937	1,160	-1.0995	0.0804	1.01	0.32	1.04	0.44	0.30	0.32	81.7	81.4	0.0003
31158020	FT	56	619	1,203	0.6548	0.0655	0.76	-9.90	0.71	-7.34	0.63	0.43	81.7	69.8	0.0003
31158040	FT	57	1563	1,517	0.6757	0.0389	0.95	-1.59	0.91	-1.93	0.60	0.56	53.1	53.2	0.0002
31158050	FT	58	779	1,189	0.0067	0.0680	1.09	3.01	1.27	4.35	0.31	0.40	71.4	72.2	0.0003
31158060	FT	59	871	1,157	-0.7173	0.0749	0.90	-2.69	0.84	-1.84	0.45	0.36	80.3	77.5	0.0003
31158070	FT	60	440	1,160	1.3072	0.0687	0.84	-5.65	0.81	-4.29	0.56	0.42	78.6	72.5	0.0002
31158080	FT	61	1753	1,523	0.3475	0.0402	0.81	-6.47	0.80	-5.09	0.64	0.53	58.4	54.1	0.0002
31158090	FT	62	867	1,156	-0.6599	0.0743	1.01	0.42	1.01	0.18	0.35	0.35	76.2	77.0	0.0003
31158100	FT	63	705	1,155	0.1222	0.0676	1.01	0.46	1.04	0.76	0.40	0.40	70.7	70.7	0.0003
31158110	FT	64	1549	1,534	0.6996	0.0410	1.21	6.47	1.26	6.52	0.43	0.54	50.0	54.6	0.0002

Mathematics Grade 5															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31158120	FT	65	931	1,527	1.8438	0.0453	1.16	4.56	1.29	6.54	0.40	0.51	52.8	61.6	0.0004
31158130	FT	66	633	1,160	0.5057	0.0664	0.83	-6.87	0.79	-4.96	0.57	0.42	78.4	69.9	0.0003
31158140	FT	67	353	1,159	1.7816	0.0719	1.40	9.90	1.88	9.90	0.04	0.40	67.7	75.9	0.0002
31158150	FT	68	705	1,185	0.2824	0.0662	1.07	2.68	1.08	1.74	0.35	0.40	67.6	70.2	0.0003
31158160	FT	69	820	1,192	-0.2284	0.0692	0.95	-1.57	0.92	-1.32	0.43	0.38	74.8	73.3	0.0003
31158170	FT	70	1045	1,516	1.5279	0.0414	0.95	-1.60	0.95	-1.09	0.59	0.54	62.7	58.4	0.0002
31158180	FT	71	636	1,211	0.6328	0.0647	1.07	2.84	1.09	2.04	0.35	0.41	65.9	69.4	0.0003
31158190	FT	72	2006	1,527	0.0588	0.0386	1.19	5.30	1.39	5.36	0.45	0.53	53.4	55.8	0.0003
31158200	FT	73	533	1,157	0.9919	0.0674	1.02	0.57	1.03	0.63	0.44	0.44	69.7	70.8	0.0003
31158220	FT	74	1054	1,184	-1.7778	0.0985	1.00	0.00	1.06	0.47	0.26	0.27	89.5	89.2	0.0003
31158230	FT	75	1028	1,165	-1.7044	0.0966	0.94	-0.98	0.73	-2.11	0.34	0.28	88.4	88.4	0.0004
31158240	FT	76	2464	1,516	-0.7691	0.0465	1.02	0.46	1.18	2.04	0.43	0.45	69.0	69.6	0.0004
31158260	FT	78	1019	1,163	-1.6406	0.0947	0.98	-0.30	1.09	0.70	0.30	0.28	87.8	87.7	0.0003
31158270	FT	79	604	1,153	0.6482	0.0667	0.93	-2.60	0.93	-1.72	0.49	0.42	72.0	69.6	0.0003
31158280	FT	80	2222	1,510	-0.3117	0.0408	1.18	4.53	1.21	2.36	0.44	0.51	58.8	62.3	0.0004
31158300	FT	82	1125	1,176	-2.8222	0.1470	0.96	-0.27	1.25	1.10	0.19	0.18	95.7	95.7	0.0004
31158310	FT	83	1113	1,169	-2.7059	0.1414	0.98	-0.14	1.01	0.13	0.19	0.19	95.2	95.2	0.0004
31219520	FT	215	766	1,157	-0.0475	0.0691	0.84	-5.82	0.75	-4.49	0.54	0.39	77.3	72.6	0.0003
31219820	FT	216	730	1,163	0.1128	0.0677	1.04	1.26	1.04	0.78	0.37	0.40	69.3	71.0	0.0003
31220240	FT	217	735	1,164	0.0947	0.0683	0.93	-2.44	0.93	-1.30	0.48	0.41	74.1	71.8	0.0003
31220320	FT	218	861	1,161	-0.5771	0.0738	1.08	2.26	1.43	5.08	0.28	0.37	76.9	77.1	0.0003
31220550	FT	219	407	1,166	1.5156	0.0697	1.10	2.98	1.27	4.82	0.32	0.42	71.7	73.6	0.0003
31220630	FT	220	1053	1,167	-1.9335	0.1038	0.87	-1.80	0.74	-1.84	0.36	0.25	90.5	90.2	0.0003
31220740	FT	221	793	1,160	-0.2101	0.0701	0.81	-6.73	0.70	-5.27	0.57	0.39	79.8	73.5	0.0003
31220820	FT	222	601	1,164	0.6392	0.0657	1.04	1.73	1.06	1.43	0.37	0.40	66.4	68.8	0.0003
31221130	FT	223	860	1,227	-0.3174	0.0690	0.95	-1.65	0.89	-1.73	0.43	0.38	74.7	74.3	0.0003
31221240	FT	224	410	1,179	1.4773	0.0679	1.20	6.32	1.38	7.52	0.19	0.38	66.8	72.5	0.0003
31221260	FT	225	882	1,158	-0.7839	0.0749	1.17	4.31	1.47	5.41	0.16	0.34	75.3	77.9	0.0003
31221430	FT	226	669	1,180	0.3383	0.0649	1.15	5.84	1.15	3.43	0.24	0.38	60.7	68.3	0.0003
31221440	FT	227	638	1,166	0.4468	0.0653	1.20	7.63	1.30	6.98	0.20	0.38	60.9	68.3	0.0003
31221450	FT	228	1388	1,524	0.9672	0.0417	1.09	2.71	1.13	3.44	0.48	0.53	51.1	55.4	0.0003
31221470	FT	229	2719	1,535	-1.1073	0.0508	0.93	-1.18	1.44	2.40	0.40	0.38	81.6	80.9	0.0007
31221520	FT	230	806	1,335	0.0722	0.0622	0.80	-8.82	0.72	-6.91	0.58	0.39	77.7	69.9	0.0003

Table J.10. IRT Item-Level Statistics—Mathematics Grade 6

Mathematics Grade 6															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31159240	OP	1	30268	23,277	0.1788	0.0108	1.06	6.49	1.10	7.70	0.52	0.53	57.3	59.2	–
31162050	OP	2	14394	23,277	0.3071	0.0155	1.11	9.90	1.13	9.80	0.37	0.42	68.5	72.9	0.0151
31162710	OP	3	831	1,794	-0.0648	0.0479	0.95	-6.51	0.95	-6.20	0.07	-0.06	63.8	56.6	–
31162760	OP	4	86	226	0.3899	0.1384	0.96	-1.16	0.95	-1.28	0.03	-0.08	61.9	62.3	–
31162770	OP	5	691	1,270	-0.3600	0.0567	0.96	-4.81	0.96	-4.72	0.01	-0.15	62.0	55.6	-0.0001
31162820	OP	6	15860	21,753	-0.1311	0.0168	1.07	8.63	1.12	6.58	0.30	0.34	73.3	75.6	0.0001
31162840	OP	7	211	425	-1.3466	0.0990	0.95	-2.71	0.94	-2.78	0.10	0.01	62.1	57.8	-0.0007
31162870	OP	8	42	112	-0.2653	0.1970	0.93	-1.33	0.92	-1.46	0.17	-0.08	64.3	62.7	-0.0003
31162890	OP	9	76	188	-0.2486	0.1499	0.95	-1.56	0.94	-1.67	0.07	-0.09	62.2	59.8	-0.0002
31162900	OP	10	601	2,140	-0.1931	0.0491	1.00	0.20	1.06	2.09	0.05	0.04	72.1	71.9	-0.0005
31162910	OP	11	1651	3,006	0.2054	0.0371	0.95	-7.36	0.95	-7.44	0.07	-0.05	62.5	57.3	0.0001
31162920	OP	12	536	1,293	0.1697	0.0568	0.94	-5.06	0.94	-5.15	0.09	-0.14	62.0	59.0	-0.0001
31162930	OP	13	253	540	0.3124	0.0872	0.96	-2.67	0.96	-2.71	0.02	-0.06	59.4	56.4	0.0001
31162970	OP	14	92	198	-1.1825	0.1446	0.92	-3.22	0.92	-3.16	0.21	-0.03	64.1	57.4	-0.0007
31162990	OP	15	2316	6,593	1.2454	0.0261	0.95	-5.92	0.94	-6.33	0.15	-0.04	66.5	65.0	0.0001
31163000	OP	16	558	1,316	0.2489	0.0561	0.96	-3.98	0.96	-4.08	0.03	-0.14	60.7	58.0	–
31163020	OP	17	305	636	-1.5658	0.0817	0.96	-2.40	0.95	-2.30	0.16	0.08	63.1	59.8	-0.0008
31163040	OP	18	906	2,002	1.2521	0.0455	0.93	-7.95	0.93	-7.90	0.15	0.00	64.7	57.8	0.0002
31163060	OP	19	204	377	0.3060	0.1042	0.96	-2.73	0.96	-2.75	0.02	-0.09	61.0	56.0	0.0001
31163120	OP	20	163	499	-0.3612	0.0967	0.96	-1.28	0.94	-1.46	0.07	-0.04	67.5	67.4	-0.0005
31163180	OP	21	553	1,318	1.4789	0.0564	0.95	-4.70	0.94	-4.73	0.12	-0.04	63.7	59.0	0.0002
31163220	OP	22	798	1,496	-0.7127	0.0522	0.95	-7.67	0.94	-7.71	0.09	-0.13	62.6	55.8	-0.0002
31163230	OP	23	747	1,458	0.1987	0.0529	0.95	-7.11	0.95	-6.96	0.06	-0.09	63.4	55.3	0.0001
31163260	OP	24	978	2,735	0.4935	0.0402	0.97	-2.58	0.96	-2.85	0.00	-0.09	64.6	64.4	–
31166700	OP	25	493	704	-0.9515	0.0829	0.97	-0.85	0.96	-1.14	0.00	-0.08	70.2	70.0	–
31166720	OP	26	669	1,007	-1.5374	0.0678	0.94	-2.69	0.93	-2.88	0.10	-0.03	68.2	66.8	-0.0004
31166730	OP	27	239	423	-1.2385	0.0995	0.95	-2.62	0.95	-2.55	0.10	-0.03	63.8	58.7	-0.0005
31166740	OP	28	544	862	-2.1968	0.0721	0.93	-3.41	0.91	-3.78	0.22	0.03	67.2	64.4	-0.0008
31166770	OP	29	85	222	-1.3059	0.1425	0.94	-1.26	0.94	-1.16	0.22	0.11	69.8	64.2	-0.0009
31166790	OP	30	590	1,209	0.4092	0.0579	0.97	-5.09	0.97	-5.11	-0.01	-0.12	60.3	54.7	0.0001
31166830	OP	31	374	1,057	1.2354	0.0651	0.95	-2.43	0.94	-2.68	0.07	-0.03	66.5	64.9	0.0001
31166840	OP	32	489	1,053	-0.9648	0.0626	0.93	-6.60	0.93	-6.45	0.14	-0.08	66.3	56.8	-0.0005

Mathematics Grade 6															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31166880	OP	33	80	187	0.8268	0.1490	0.94	-2.36	0.93	-2.29	0.14	-0.08	63.1	57.8	0.0001
31166900	OP	34	41	118	-0.0772	0.1951	0.96	-0.67	0.94	-0.82	0.03	-0.07	66.1	65.3	-0.0003
31166950	OP	35	656	1,293	-0.5488	0.0565	0.95	-5.07	0.95	-4.95	0.08	-0.01	63.1	57.0	-0.0002
31166960	OP	36	1674	2,644	0.3316	0.0408	0.97	-2.61	0.97	-2.71	0.06	-0.02	65.1	63.7	0.0002
31166970	OP	37	247	604	-0.5091	0.0841	0.99	-0.56	0.98	-0.72	-0.04	-0.01	61.3	60.6	-0.0004
31166980	OP	38	316	702	0.2024	0.0769	0.97	-2.48	0.96	-2.55	0.02	-0.04	60.3	57.6	–
31167030	OP	39	1369	3,209	1.4461	0.0362	0.98	-2.02	0.98	-2.04	0.02	0.00	60.5	59.0	0.0002
31167040	OP	40	280	595	0.4805	0.0832	0.99	-0.97	0.98	-1.02	-0.04	-0.03	57.5	56.9	0.0001
31167080	OP	41	532	1,059	0.2441	0.0622	0.93	-8.12	0.92	-8.08	0.18	-0.04	67.9	56.2	0.0001
31167120	OP	42	77	179	-0.4635	0.1532	0.96	-1.39	0.95	-1.39	0.08	-0.03	62.0	58.7	-0.0003
31167130	OP	43	61	196	-0.4117	0.1560	0.97	-0.44	0.96	-0.64	0.02	-0.06	69.9	69.0	-0.0006
31167160	OP	44	746	1,493	0.7585	0.0523	0.95	-6.82	0.95	-6.76	0.09	-0.06	63.0	55.5	0.0002
31167210	OP	45	1313	2,855	1.2086	0.0380	0.97	-5.02	0.97	-4.94	0.06	-0.02	61.5	57.1	0.0002
31167230	OP	46	10336	15,550	0.8320	0.0182	0.91	-9.90	0.86	-9.90	0.40	0.28	72.8	69.1	0.0002
31167240	OP	47	248	594	-1.3154	0.0856	0.95	-2.18	0.94	-2.26	0.17	0.08	64.8	61.8	-0.0008
31167250	OP	48	5581	10,612	1.9555	0.0207	0.97	-4.30	0.96	-4.38	0.29	0.25	65.7	64.0	0.0003
31167330	OP	49	124	213	-1.5328	0.1409	0.94	-1.86	0.94	-1.90	0.13	-0.04	63.4	59.7	-0.0006
31167340	OP	50	420	945	-0.9024	0.0664	0.91	-7.02	0.91	-6.75	0.21	-0.04	67.5	58.1	-0.0005
31167350	OP	51	89	203	-1.0723	0.1433	0.91	-3.31	0.90	-3.38	0.22	-0.05	66.0	58.2	-0.0006
31167360	OP	52	1019	1,836	-0.9233	0.0474	0.96	-5.13	0.96	-5.23	0.06	-0.11	61.2	57.3	-0.0003
31167410	OP	53	231	425	0.1481	0.0982	0.96	-2.83	0.96	-2.91	0.02	-0.09	58.8	56.2	0.0001
31167430	OP	54	17804	23,277	-0.6009	0.0174	0.91	-9.90	0.81	-9.90	0.44	0.37	81.2	79.8	0.0252
31167440	OP	55	118	269	0.7031	0.1237	0.94	-3.22	0.93	-3.25	0.13	-0.12	64.3	57.1	0.0001
31167450	OP	56	344	1,013	0.0697	0.0674	0.94	-2.59	0.92	-2.93	0.12	0.01	68.2	66.3	-0.0002
31167490	OP	57	69	187	-1.4005	0.1551	0.98	-0.31	1.01	0.15	0.09	0.04	67.9	64.2	-0.0009
31167520	OP	58	532	1,062	0.0740	0.0619	0.95	-6.87	0.94	-6.82	0.06	-0.10	63.8	55.2	–
31167560	OP	59	848	1,842	0.4039	0.0471	0.96	-5.78	0.96	-5.76	0.01	-0.10	61.5	56.0	0.0001
31167580	OP	60	8349	11,519	-0.2406	0.0234	1.04	3.23	1.00	0.12	0.35	0.39	75.2	76.6	-0.0526
31167600	OP	61	729	1,858	0.3997	0.0479	0.95	-4.60	0.94	-4.78	0.07	-0.09	63.5	61.0	–
31167620	OP	62	149	313	-0.6885	0.1144	0.95	-2.77	0.95	-2.71	0.08	-0.06	65.2	56.3	-0.0003
31167640	OP	63	428	1,072	0.7712	0.0633	0.96	-2.70	0.95	-2.91	0.05	-0.01	63.1	61.1	0.0001
31167730	OP	64	196	594	-0.1905	0.0886	0.92	-2.57	0.90	-2.87	0.19	-0.01	68.4	67.1	-0.0004
31167780	OP	65	6209	13,249	1.9632	0.0189	1.10	9.90	1.13	9.90	0.20	0.31	61.7	66.3	0.0002

Mathematics Grade 6															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31167820	OP	66	1072	2,194	0.8551	0.0432	0.97	-5.73	0.96	-5.67	0.04	-0.05	60.2	55.8	0.0002
31167850	OP	67	784	1,459	-0.0045	0.0531	0.97	-3.33	0.97	-3.36	0.00	-0.07	59.8	56.5	0.0001
31167970	OP	68	907	1,593	-0.7852	0.0511	0.95	-5.52	0.94	-5.58	0.09	-0.07	64.0	58.4	-0.0002
31168050	OP	69	237	418	-1.3826	0.1000	0.99	-0.69	0.99	-0.65	-0.05	-0.06	61.2	58.6	-0.0005
31168100	OP	70	321	774	0.2601	0.0740	0.96	-2.28	0.96	-2.40	0.05	-0.02	62.7	59.6	–
31168110	OP	71	1946	3,770	2.3026	0.0347	0.92	-7.85	0.89	-7.47	0.35	0.24	67.8	63.7	0.0003
31168670	OP	72	195	345	-1.6324	0.1102	0.93	-3.13	0.93	-3.08	0.12	-0.04	64.9	58.8	-0.0007
31168680	OP	73	417	934	0.1740	0.0665	0.94	-5.50	0.93	-5.55	0.10	-0.07	62.6	57.2	–
31168690	OP	74	1431	2,096	-0.5379	0.0472	0.96	-2.60	0.94	-3.25	0.06	-0.10	68.4	68.3	0.0001
31168770	OP	75	669	1,418	-0.6107	0.0537	0.94	-7.87	0.94	-7.80	0.14	-0.10	64.2	55.7	-0.0003
31168780	OP	76	178	599	-0.7825	0.0911	0.93	-1.83	0.91	-2.09	0.20	0.03	71.1	70.4	-0.0008
31168790	OP	77	666	1,470	-0.3186	0.0533	0.96	-3.91	0.96	-3.86	0.07	0.01	64.4	58.3	-0.0002
31168810	OP	78	51	156	-1.0394	0.1749	0.92	-1.24	0.90	-1.25	0.26	0.07	69.2	68.0	-0.0009
31168820	OP	79	302	682	-0.3508	0.0784	0.94	-3.99	0.93	-3.91	0.14	-0.01	63.5	58.5	-0.0002
31168840	OP	80	1281	2,455	-0.9093	0.0416	0.90	-9.90	0.90	-9.53	0.30	0.07	68.5	60.1	-0.0004
31168850	OP	81	38	147	1.9150	0.1896	0.95	-0.50	0.93	-0.73	0.11	-0.08	74.1	74.1	0.0002
31168870	OP	82	1437	2,608	0.0963	0.0397	0.96	-5.86	0.96	-5.99	0.02	-0.11	60.6	56.4	0.0001
31169000	OP	83	49	159	0.0422	0.1739	0.96	-0.61	0.94	-0.73	0.07	-0.03	68.6	69.2	-0.0003
31169010	OP	84	10024	15,968	0.9779	0.0176	0.96	-5.94	0.93	-5.92	0.35	0.30	69.4	67.8	0.0002
31169020	OP	85	1125	2,210	0.5909	0.0431	0.97	-4.44	0.97	-4.53	0.02	-0.03	60.0	56.5	0.0002
31169060	OP	86	127	273	-1.1038	0.1231	0.97	-1.19	0.97	-1.11	-0.02	-0.04	63.4	57.3	-0.0006
31169070	OP	87	498	1,382	1.1098	0.0565	0.95	-3.30	0.94	-3.67	0.09	-0.07	64.3	64.0	0.0001
31169080	OP	88	279	543	1.1848	0.0869	0.93	-5.27	0.93	-5.27	0.17	-0.03	65.7	56.3	0.0002
31169090	OP	89	1972	3,386	-0.7539	0.0352	0.95	-6.93	0.94	-7.07	0.13	-0.09	64.4	59.5	-0.0001
31169190	OP	90	14525	23,277	0.2637	0.0155	1.13	9.90	1.13	9.65	0.34	0.42	68.7	73.1	0.0272
31173240	OP	91	9892	11,758	-1.1839	0.0277	0.81	-9.90	0.59	-9.90	0.47	0.33	87.1	85.0	-0.015
31175690	OP	92	127	286	-1.1819	0.1207	0.95	-2.01	0.95	-2.08	0.07	-0.04	64.7	58.2	-0.0007
31175790	OP	93	103	244	0.0745	0.1308	0.95	-1.93	0.95	-1.98	0.01	-0.09	61.9	58.5	-0.0001
31175810	OP	94	651	1,426	0.2060	0.0537	0.96	-5.12	0.95	-5.23	0.03	-0.08	62.1	56.4	–
31175830	OP	95	82	164	-1.1599	0.1576	0.94	-2.89	0.94	-2.85	0.08	-0.12	64.6	55.2	-0.0005
31175940	OP	96	286	704	-0.6530	0.0777	0.92	-4.40	0.91	-4.57	0.18	-0.06	63.9	60.3	-0.0005
31175950	OP	97	331	501	-0.6664	0.0952	0.93	-2.40	0.91	-2.74	0.17	-0.08	66.9	66.1	–
31175960	OP	98	605	1,495	-0.4689	0.0533	0.94	-4.57	0.94	-4.70	0.09	-0.06	63.3	60.3	-0.0004

Mathematics Grade 6															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31176020	OP	99	100	245	-1.0403	0.1320	0.99	-0.17	1.00	-0.05	-0.03	-0.02	61.2	60.7	-0.0007
31176040	OP	100	165	519	-0.7445	0.0965	0.93	-1.84	0.93	-1.69	0.20	0.05	70.5	68.6	-0.0007
31176060	OP	101	886	1,736	-1.3821	0.0493	0.99	-0.95	0.99	-0.71	0.07	0.04	58.9	59.1	-0.0006
31176080	OP	102	182	488	1.5001	0.0945	0.97	-1.22	0.96	-1.31	0.02	-0.05	63.9	63.0	0.0002
31176090	OP	103	140	319	-0.5297	0.1141	0.93	-3.23	0.93	-3.23	0.15	-0.06	64.6	57.8	-0.0003
31176280	OP	104	347	878	-1.0914	0.0709	0.95	-2.55	0.95	-2.19	0.18	0.06	67.8	62.6	-0.0008
31176300	OP	105	114	389	-0.1302	0.1130	0.97	-0.55	0.98	-0.43	0.00	-0.01	70.4	70.8	-0.0005
31176370	OP	106	369	741	-1.6853	0.0750	0.95	-3.46	0.95	-3.43	0.15	0.02	63.0	58.0	-0.0008
31176410	OP	107	404	938	-0.0943	0.0665	0.93	-5.63	0.93	-5.79	0.12	-0.11	62.4	57.7	-0.0001
31176460	OP	108	14734	23,277	0.2029	0.0156	0.84	-9.90	0.77	-9.90	0.53	0.42	79.2	73.5	0.0377
31176470	OP	109	1645	2,127	-1.4887	0.0521	0.95	-1.62	0.92	-2.68	0.09	-0.09	77.3	77.3	-0.0001
31176500	OP	110	176	345	0.4418	0.1089	0.94	-4.00	0.94	-3.98	0.13	-0.05	65.5	55.9	0.0001
31176530	OP	111	165	307	-1.4800	0.1165	0.92	-3.73	0.91	-3.68	0.17	-0.01	65.5	58.0	-0.0007
31176560	OP	112	106	180	-1.5154	0.1534	0.93	-2.04	0.92	-2.07	0.10	-0.06	63.9	60.1	-0.0006
31176620	OP	113	141	465	0.3660	0.1019	0.94	-1.55	0.92	-1.94	0.13	-0.04	69.9	69.7	-0.0002
31176640	OP	114	476	1,230	0.6279	0.0593	0.96	-2.50	0.96	-2.69	0.03	-0.04	63.3	61.8	0.0001
31176670	OP	115	920	1,997	0.3617	0.0454	0.96	-5.46	0.96	-5.26	0.02	-0.07	62.2	56.5	0.0001
31176710	OP	116	561	1,192	0.8572	0.0587	0.96	-4.42	0.96	-4.44	0.04	-0.04	60.3	56.3	0.0002
31176730	OP	117	15741	23,277	-0.0478	0.0160	1.08	9.90	1.15	9.23	0.34	0.41	73.3	75.1	0.0387
31176750	OP	118	369	1,022	0.8958	0.0656	0.95	-2.70	0.94	-3.05	0.12	-0.10	64.2	63.9	0.0001
31176780	OP	119	173	401	-0.4689	0.1021	0.91	-4.32	0.91	-4.30	0.21	-0.05	67.8	58.5	-0.0003
31176790	OP	120	669	1,812	0.6587	0.0490	0.96	-3.30	0.95	-3.74	0.05	-0.11	63.8	63.2	0.0001
31176810	OP	121	258	698	0.0754	0.0794	0.92	-3.49	0.91	-3.83	0.18	-0.04	64.2	63.2	-0.0002
31176820	OP	122	298	795	0.2654	0.0738	0.95	-2.63	0.94	-2.82	0.07	-0.10	64.0	62.6	-0.0001
31176840	OP	123	386	676	-0.8454	0.0788	0.96	-2.66	0.95	-2.78	0.08	-0.04	60.5	59.2	-0.0002
31176850	OP	124	514	1,158	0.3739	0.0596	0.94	-6.24	0.94	-6.24	0.09	-0.10	64.0	56.9	0.0001
31176860	OP	125	49	153	1.5851	0.1747	0.98	-0.30	0.98	-0.29	-0.01	-0.06	68.6	68.0	0.0002
31176880	OP	126	103	230	-0.6864	0.1341	0.90	-4.47	0.89	-4.37	0.30	-0.06	71.7	57.2	-0.0004
31176900	OP	127	595	3,325	2.5789	0.0456	0.98	-0.77	0.95	-1.47	0.04	-0.01	82.1	82.1	0.0002
31176910	OP	128	263	860	0.6945	0.0744	0.96	-1.34	0.95	-1.73	0.03	-0.14	69.4	69.4	–
31176920	OP	129	312	888	0.5480	0.0712	0.95	-2.09	0.94	-2.43	0.07	-0.02	65.2	65.0	–
31176930	OP	130	835	1,638	-0.1473	0.0500	0.95	-7.43	0.94	-7.38	0.07	-0.07	64.3	55.8	–
31176950	OP	131	92	202	0.1499	0.1427	0.99	-0.32	0.99	-0.40	-0.10	-0.08	57.9	56.7	–

Mathematics Grade 6															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31176990	OP	132	395	844	-0.1410	0.0700	0.94	-5.03	0.93	-4.95	0.10	-0.02	62.6	57.2	-0.0001
31177000	OP	133	7236	11,519	0.4524	0.0218	1.00	-0.25	1.02	1.00	0.39	0.43	72.2	72.2	-0.1726
31177010	OP	134	741	1,544	0.5000	0.0514	0.95	-7.54	0.95	-7.47	0.08	-0.09	64.5	55.3	0.0001
31177060	OP	135	209	610	-0.5032	0.0867	0.92	-2.94	0.90	-3.09	0.17	-0.01	68.4	66.1	-0.0006
31177070	OP	136	5742	10,021	1.7681	0.0215	1.02	2.77	1.03	2.89	0.23	0.26	63.9	64.6	0.0002
31177090	OP	137	113	232	-1.9724	0.1342	0.89	-4.38	0.88	-4.23	0.28	0.02	70.3	58.1	-0.0010
31177100	OP	138	111	376	1.2431	0.1139	0.97	-0.74	0.95	-1.06	-0.01	-0.09	70.7	70.5	0.0001
31177110	OP	139	841	2,286	0.3144	0.0438	0.96	-3.62	0.95	-3.93	0.06	-0.10	64.0	63.3	-0.0001
31177120	OP	140	559	1,702	0.3348	0.0520	0.95	-2.95	0.93	-3.52	0.09	-0.12	67.4	67.2	-0.0001
31177130	OP	141	128	310	-0.5971	0.1172	1.00	-0.10	0.99	-0.19	-0.07	-0.02	59.7	60.1	-0.0004
31177150	OP	142	323	843	0.2641	0.0718	0.92	-4.14	0.91	-4.14	0.17	-0.03	65.2	62.2	-0.0001
31177160	OP	143	410	1,181	0.0810	0.0617	0.95	-2.65	0.94	-3.05	0.08	-0.06	65.5	65.4	-0.0002
31177210	OP	144	176	333	-1.8510	0.1124	0.93	-3.21	0.92	-3.22	0.22	0.04	62.8	59.1	-0.0008
31177230	OP	145	188	443	-0.3185	0.0974	0.92	-3.87	0.91	-3.92	0.17	-0.04	66.4	58.8	-0.0002
31177280	OP	146	8278	11,758	-0.0765	0.0226	0.92	-7.71	0.85	-7.11	0.43	0.41	77.7	75.3	-0.1191
31177300	OP	147	7154	11,758	0.4162	0.0216	1.11	9.90	1.17	9.19	0.33	0.43	69.1	72.5	-0.0529
31177320	OP	148	1337	2,841	0.0554	0.0379	0.96	-8.33	0.96	-8.24	0.05	-0.12	62.1	55.5	–
31177350	OP	149	810	1,573	-0.1125	0.0509	0.96	-5.67	0.96	-5.67	0.00	-0.12	59.7	55.2	–
31177440	OP	150	8786	11,519	-0.4809	0.0243	0.99	-0.81	0.87	-4.68	0.36	0.37	77.9	78.7	-0.0649
31177460	OP	151	697	1,448	-0.2909	0.0534	0.93	-8.09	0.92	-7.81	0.12	-0.02	66.1	57.0	-0.0001
31177470	OP	152	128	336	-0.5302	0.1136	0.93	-2.29	0.92	-2.40	0.14	-0.07	63.7	62.4	-0.0005
31177490	OP	153	253	581	-1.3061	0.0854	0.92	-4.06	0.92	-4.02	0.23	0.02	65.7	59.5	-0.0008
31177510	OP	154	6993	11,758	0.3728	0.0217	1.11	9.90	1.14	7.48	0.36	0.43	69.0	72.7	0.0669
31177530	OP	155	1114	2,350	0.6283	0.0416	0.96	-8.12	0.95	-8.11	0.05	-0.10	62.0	55.5	0.0001
31177580	OP	156	62	185	-0.7011	0.1582	0.96	-0.70	0.94	-0.94	0.11	-0.01	65.4	66.7	-0.0007
31177640	OP	157	5931	9,106	1.4885	0.0232	0.89	-9.90	0.83	-9.90	0.40	0.23	72.2	67.2	0.0003
31177690	OP	158	220	546	-0.4011	0.0890	0.93	-2.95	0.92	-3.01	0.13	0.02	66.8	61.1	-0.0003
31177710	OP	159	100	344	-0.9399	0.1209	0.93	-1.32	0.91	-1.59	0.22	0.02	70.3	71.0	-0.0009
31177720	OP	160	328	634	-0.1801	0.0807	0.94	-4.70	0.93	-4.72	0.10	-0.03	63.6	57.1	–
31177740	OP	161	6285	11,519	0.8418	0.0215	0.94	-7.29	0.91	-5.81	0.47	0.44	73.9	71.2	-0.1109
31177770	OP	162	57	107	0.0710	0.1962	0.94	-1.95	0.93	-1.99	0.13	-0.03	63.6	56.6	0.0001
31177780	OP	163	241	464	-0.1293	0.0937	0.94	-5.18	0.94	-5.11	0.12	-0.10	68.5	55.4	–
31177790	OP	164	1080	2,159	0.4504	0.0434	0.96	-6.34	0.96	-6.36	0.02	-0.08	60.8	55.5	0.0001

Mathematics Grade 6															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31177810	OP	165	489	959	-0.4165	0.0658	0.91	-7.35	0.91	-7.22	0.20	0.01	69.8	57.9	-0.0001
31177850	OP	166	925	1,974	1.4194	0.0458	0.95	-6.25	0.95	-6.25	0.14	0.02	63.0	57.7	0.0002
31177860	OP	167	4692	7,436	1.2113	0.0253	1.07	8.13	1.19	9.90	0.13	0.23	64.6	65.4	0.0002
31189240	OP	168	42	162	-0.3820	0.1822	1.00	0.07	1.03	0.30	0.00	0.02	74.1	74.1	-0.0008
31189270	OP	169	6658	10,860	0.7089	0.0213	0.92	-9.90	0.86	-9.83	0.40	0.30	70.6	67.0	0.0002
31189290	OP	170	61	183	1.4768	0.1585	1.00	0.01	1.01	0.11	-0.11	-0.04	66.7	66.8	0.0002
31189300	OP	171	956	2,032	0.8530	0.0449	0.96	-5.78	0.96	-5.78	0.04	-0.06	61.7	56.1	0.0002
31189320	OP	172	138	354	-0.3020	0.1101	0.93	-2.69	0.92	-2.71	0.14	-0.07	64.7	61.2	-0.0003
31189330	OP	173	130	353	-1.3059	0.1131	0.94	-1.82	0.93	-1.70	0.20	0.06	69.7	64.8	-0.0009
31189360	OP	174	142	396	-0.0629	0.1061	0.94	-1.99	0.93	-2.14	0.13	-0.04	65.2	64.3	-0.0003
31189370	OP	175	348	681	1.0633	0.0777	0.94	-4.58	0.94	-4.60	0.12	-0.01	62.6	56.8	0.0002
31189400	OP	176	56	111	-1.0520	0.1929	0.91	-2.66	0.91	-2.67	0.17	-0.02	69.4	57.3	-0.0005
31189420	OP	177	255	749	0.2552	0.0779	0.96	-1.59	0.95	-1.88	0.05	-0.06	66.2	66.0	-0.0001
31189440	OP	178	243	545	-0.7261	0.0874	0.94	-3.77	0.93	-3.76	0.12	-0.04	65.5	57.9	-0.0004
31189470	OP	179	204	590	-0.2124	0.0878	0.93	-2.48	0.91	-2.74	0.15	-0.02	66.4	65.5	-0.0004
31189490	OP	180	600	1,301	0.2466	0.0562	0.93	-7.89	0.93	-7.81	0.12	-0.08	65.6	56.4	–
31189660	OP	181	606	1,695	0.2487	0.0510	0.94	-3.82	0.93	-4.34	0.10	-0.12	65.0	64.3	-0.0001
31189760	OP	182	139	311	0.2192	0.1152	0.98	-1.25	0.97	-1.22	-0.03	-0.07	61.7	57.3	–
31189770	OP	183	357	591	0.5686	0.0850	0.95	-2.52	0.94	-2.70	0.14	-0.04	63.6	60.9	0.0002
31189800	OP	184	142	383	-0.2403	0.1074	1.02	0.61	1.02	0.60	-0.12	-0.02	63.4	63.4	-0.0003
31189940	OP	185	11178	18,053	0.8402	0.0167	0.96	-6.87	0.94	-5.00	0.37	0.32	69.9	68.5	0.0002
31189970	OP	186	449	890	-0.2091	0.0675	0.95	-6.41	0.95	-6.42	0.04	-0.15	62.8	54.4	-0.0001
31190020	OP	187	8786	11,519	-0.5458	0.0245	0.92	-6.15	0.85	-5.51	0.41	0.37	81.1	79.3	0.0017
31190060	OP	188	18150	23,277	-0.7103	0.0178	0.89	-9.90	0.71	-9.90	0.45	0.36	82.1	80.8	0.0285
31190200	OP	189	19830	23,277	-1.2920	0.0203	0.97	-2.49	0.93	-2.49	0.33	0.32	86.3	86.1	0.0147
31190250	OP	190	468	1,264	0.5946	0.0587	0.95	-2.98	0.94	-3.32	0.05	-0.11	63.5	63.1	–
31190280	OP	191	1794	4,364	0.5717	0.0311	0.94	-8.38	0.94	-8.61	0.13	-0.08	63.4	59.7	0.0001
31190360	OP	192	615	1,534	1.2465	0.0527	0.94	-4.83	0.93	-5.06	0.12	-0.03	64.5	60.7	0.0002
31190820	OP	193	1073	1,443	-1.1072	0.0606	0.96	-1.26	0.94	-1.97	0.05	-0.12	74.4	74.4	–
31190830	OP	194	1734	3,757	1.7902	0.0333	0.98	-3.27	0.98	-3.29	0.09	0.04	60.0	58.5	0.0002
31190840	OP	195	3479	5,033	1.7908	0.0320	0.93	-5.56	0.89	-5.40	0.30	0.19	72.1	69.8	0.0003
31190850	OP	196	5948	9,972	1.6722	0.0217	1.07	9.90	1.13	9.90	0.16	0.25	62.5	64.9	0.0002
31190860	OP	197	14632	23,277	0.2288	0.0156	0.99	-1.57	0.96	-2.71	0.43	0.42	73.5	73.3	0.0365

Mathematics Grade 6															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31190880	OP	198	292	706	0.1059	0.0772	0.96	-2.72	0.95	-2.86	0.04	-0.07	62.6	59.4	-0.0001
31190900	OP	199	663	1,344	-1.4297	0.0558	0.95	-4.67	0.94	-4.80	0.18	0.01	62.6	58.3	-0.0007
31190910	OP	200	11752	23,277	0.9036	0.0151	1.25	9.90	1.38	9.90	0.25	0.44	62.1	71.3	0.0321
31190920	OP	201	329	1,004	0.1189	0.0682	0.93	-2.88	0.91	-3.23	0.15	-0.01	68.1	67.4	-0.0002
31190930	OP	202	554	1,095	0.5857	0.0613	0.94	-5.94	0.94	-5.95	0.10	-0.03	64.0	56.6	0.0001
31190940	OP	203	5607	8,980	1.6406	0.0231	1.03	3.63	1.02	1.78	0.19	0.23	63.8	65.7	0.0002
31190950	OP	204	68	157	-1.4174	0.1650	0.86	-3.72	0.85	-3.71	0.38	0.06	70.7	60.8	-0.0009
31190960	OP	205	9804	16,244	1.0744	0.0174	0.93	-9.90	0.91	-8.42	0.40	0.31	70.0	67.3	0.0002
31190970	OP	206	107	316	0.7381	0.1197	0.95	-1.25	0.94	-1.54	0.04	-0.10	66.5	66.1	–
31190980	OP	207	927	1,810	0.8322	0.0478	0.93	-8.50	0.93	-8.40	0.14	0.01	64.3	57.1	0.0002
31191000	OP	208	183	284	-1.5997	0.1254	0.92	-2.23	0.90	-2.42	0.19	-0.05	66.5	64.6	-0.0005
31191010	OP	209	1638	2,788	0.4752	0.0389	0.97	-3.56	0.97	-3.60	0.03	-0.05	61.7	59.5	0.0002
31191020	OP	210	11126	23,277	1.0373	0.0151	1.05	7.74	1.10	9.46	0.40	0.45	69.9	71.4	0.0417
31191030	OP	211	8797	11,758	-0.4804	0.0240	1.06	4.82	1.24	8.00	0.32	0.39	78.1	78.6	0.0020
31191040	OP	212	211	422	0.7487	0.0985	0.94	-4.10	0.94	-4.14	0.10	-0.04	64.5	56.1	0.0002
31191050	OP	213	8709	14,886	1.2855	0.0179	0.98	-3.90	0.96	-3.88	0.33	0.30	66.7	66.2	0.0002
31191060	OP	214	808	1,199	-2.2824	0.0629	0.95	-2.27	0.93	-2.61	0.15	0.01	69.1	68.0	-0.0008
31191080	OP	215	8983	23,277	1.5632	0.0155	0.95	-7.23	1.05	4.24	0.46	0.44	75.9	73.0	0.0170
31191090	OP	216	288	655	-0.1049	0.0796	0.96	-3.02	0.95	-3.05	0.04	-0.06	62.1	57.7	-0.0001
31191110	OP	217	1217	2,791	1.2511	0.0387	0.95	-6.11	0.95	-6.24	0.09	-0.02	62.7	58.3	0.0002
31191120	OP	218	6850	9,161	0.9862	0.0251	0.98	-1.85	0.99	-0.59	0.23	0.20	75.3	74.7	0.0003
31191130	OP	219	639	1,441	-0.7711	0.0537	0.94	-6.47	0.93	-6.35	0.13	-0.06	63.8	57.8	-0.0005
31191150	OP	220	11413	15,754	0.4945	0.0189	0.96	-4.46	0.92	-4.95	0.31	0.26	74.2	73.1	0.0002
31191170	OP	221	7084	10,571	1.2558	0.0218	1.00	-0.46	1.01	1.02	0.24	0.24	69.3	68.4	0.0002
31191180	OP	222	395	983	-0.9574	0.0658	0.96	-2.85	0.95	-2.79	0.09	-0.08	64.4	60.4	-0.0007
31191190	OP	223	127	276	-1.7967	0.1235	0.92	-3.23	0.91	-3.09	0.23	0.03	70.3	59.1	-0.0010
31191200	OP	224	6979	13,256	1.7054	0.0187	1.08	9.90	1.11	9.90	0.20	0.29	60.4	65.1	0.0002
31191210	OP	225	2264	4,356	2.1714	0.0323	1.01	0.75	1.01	1.07	0.23	0.24	63.5	63.7	0.0003
31191230	OP	226	192	477	-0.3469	0.0942	0.96	-2.06	0.95	-2.24	0.03	-0.10	61.8	60.1	-0.0003
31193370	OP	227	2782	11,519	2.5110	0.0249	1.05	3.87	1.53	9.90	0.36	0.41	80.1	80.1	-0.0283
31231320	OP	228	104	238	0.0930	0.1317	0.94	-2.66	0.94	-2.68	0.12	-0.11	63.4	57.2	–
31232630	OP	229	20863	23,277	-1.7714	0.0233	0.98	-1.34	1.06	1.68	0.28	0.27	90.2	89.9	0.0135
31233020	OP	230	104	331	-0.4737	0.1197	0.92	-1.74	0.89	-2.18	0.17	-0.06	68.6	68.6	-0.0006

Mathematics Grade 6															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31233030	OP	231	114	303	0.2456	0.1196	0.97	-1.00	0.97	-0.92	-0.02	-0.10	62.7	62.6	-0.0001
31233040	OP	232	1007	1,984	-1.2926	0.0462	0.93	-7.19	0.92	-6.80	0.22	0.05	67.0	59.4	-0.0006
31233060	OP	233	8924	11,758	-0.5075	0.0241	1.16	9.90	1.40	9.90	0.24	0.38	75.2	78.8	-0.0459
31233110	OP	234	893	1,528	-1.0604	0.0527	0.94	-5.00	0.94	-5.04	0.10	-0.03	64.3	60.5	-0.0003
31238400	OP	235	9004	11,519	1.4774	0.0147	1.55	9.90	2.07	9.90	0.34	0.58	46.6	57.8	0.0191
31238450	OP	236	11568	11,758	1.0550	0.0149	1.01	1.27	1.01	0.99	0.55	0.57	55.6	56.4	-0.0634
31238610	OP	237	22679	23,277	1.0507	0.0119	0.97	-3.20	0.97	-3.43	0.53	0.52	62.4	62.1	0.0036
31238630	OP	238	15733	23,277	1.8496	0.0112	0.98	-2.81	0.95	-4.15	0.56	0.55	60.7	60.5	0.0041
31247950	OP	239	180	415	0.3660	0.1002	0.96	-2.22	0.95	-2.34	0.01	-0.06	60.7	58.2	0.0001
31158320	FT	1	776	3,127	2.4588	0.0461	0.96	-1.65	0.85	-3.40	0.43	0.38	78.0	78.3	0.0003
31158330	FT	2	1502	1,267	0.5645	0.0423	0.85	-3.94	0.74	-3.29	0.67	0.60	63.5	60.1	0.0003
31158340	FT	3	624	2,295	2.2084	0.0526	0.96	-1.62	0.99	-0.12	0.44	0.40	78.3	77.1	0.0003
31158350	FT	4	388	1,591	3.7488	0.0606	1.35	6.77	2.66	9.90	0.13	0.41	72.7	79.3	0.0006
31158360	FT	5	1129	1,581	-0.1742	0.0629	0.84	-5.54	0.73	-4.58	0.52	0.40	80.8	76.3	0.0003
31158370	FT	6	525	1,371	1.5777	0.0639	0.97	-1.02	0.90	-2.02	0.48	0.45	72.9	73.1	0.0003
31158380	FT	7	387	1,260	1.8748	0.0704	0.77	-7.22	0.63	-6.89	0.63	0.45	83.0	76.6	0.0003
31158390	FT	8	1181	1,222	0.8954	0.0495	1.19	5.00	1.20	5.03	0.46	0.55	54.2	58.9	0.0003
31158400	FT	9	683	1,289	0.7922	0.0642	1.09	3.27	1.11	2.41	0.39	0.45	67.4	71.2	0.0003
31158410	FT	10	342	1,268	2.2553	0.0717	0.90	-3.00	0.81	-2.81	0.51	0.42	79.9	77.8	0.0003
31158420	FT	11	523	1,457	1.6747	0.0617	1.04	1.65	1.16	3.29	0.38	0.42	71.6	72.8	0.0003
31158450	FT	12	882	2,189	1.5120	0.0498	0.98	-1.15	0.92	-2.27	0.46	0.44	72.5	72.1	0.0003
31158460	FT	13	1247	1,231	0.9789	0.0519	0.97	-0.69	0.97	-0.87	0.57	0.53	61.9	61.7	0.0003
31158470	FT	14	341	1,311	2.4221	0.0716	0.92	-2.17	0.84	-2.30	0.49	0.42	79.8	78.5	0.0003
31158480	FT	15	667	1,290	0.8504	0.0639	1.36	9.90	1.52	9.90	0.18	0.44	56.7	71.1	0.0003
31158500	FT	16	336	1,473	2.4519	0.0692	1.35	8.56	1.94	9.90	0.08	0.39	74.1	80.0	0.0003
31158510	FT	17	1382	1,428	1.0503	0.0436	1.08	2.33	1.09	2.48	0.49	0.52	53.9	56.0	0.0003
31158520	FT	18	298	1,441	2.6169	0.0722	0.81	-5.10	0.68	-4.53	0.54	0.37	84.9	81.5	0.0003
31158540	FT	19	1178	1,429	-0.9927	0.0762	0.92	-1.78	0.81	-2.07	0.40	0.33	84.6	83.5	0.0002
31158550	FT	20	734	1,457	2.1997	0.0454	0.86	-3.80	0.73	-4.44	0.61	0.52	69.8	65.0	0.0003
31158570	FT	21	1078	1,338	-0.8348	0.0771	0.99	-0.26	0.93	-0.64	0.38	0.37	82.7	82.2	0.0002
31158580	FT	22	1166	1,221	0.9784	0.0497	1.21	5.56	1.22	5.52	0.43	0.53	53.7	59.0	0.0003
31158590	FT	23	1073	1,281	-1.1392	0.0829	0.84	-3.49	0.74	-2.44	0.44	0.33	86.2	84.6	0.0002
31158610	FT	24	1355	1,256	0.7717	0.0444	0.86	-4.22	0.87	-2.71	0.65	0.57	59.2	55.4	0.0003

Mathematics Grade 6															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31158620	FT	25	458	1,270	1.6892	0.0670	1.06	2.10	1.06	1.18	0.40	0.44	71.6	73.9	0.0003
31158630	FT	26	608	1,255	0.8754	0.0651	1.19	6.68	1.30	6.04	0.31	0.45	64.6	71.3	0.0003
31158640	FT	27	1318	1,785	-0.3487	0.0611	1.12	3.82	1.17	2.33	0.33	0.41	75.9	78.3	0.0003
31158650	FT	28	1028	1,919	0.8014	0.0513	1.14	6.72	1.19	5.50	0.29	0.40	63.4	69.1	0.0003
31158670	FT	29	661	1,247	2.7219	0.0571	1.01	0.22	1.09	1.89	0.49	0.50	66.1	67.5	0.0005
31158680	FT	30	670	1,222	2.1684	0.0484	1.09	2.10	1.06	0.76	0.53	0.55	63.2	63.9	0.0003
31158700	FT	31	1180	1,291	-1.9645	0.1060	0.97	-0.42	1.26	1.45	0.27	0.26	91.7	91.5	0.0002
31158710	FT	32	1998	1,252	-0.4830	0.0497	1.02	0.34	1.06	0.56	0.48	0.46	70.3	69.7	0.0003
31158720	FT	33	500	1,429	2.7051	0.0523	1.22	4.54	1.61	6.27	0.33	0.47	67.6	72.9	0.0004
31158740	FT	34	418	1,392	1.9914	0.0664	0.94	-2.06	0.88	-2.18	0.48	0.42	77.5	76.1	0.0003
31158750	FT	35	468	1,269	1.5906	0.0666	1.15	4.83	1.38	6.80	0.32	0.44	69.6	73.2	0.0003
31158760	FT	36	612	1,257	0.9086	0.0650	1.06	2.04	1.10	2.22	0.41	0.45	69.5	71.2	0.0003
31158770	FT	37	1634	1,221	0.1153	0.0463	1.01	0.18	1.00	-0.02	0.56	0.54	59.6	59.7	0.0003
31158780	FT	38	997	1,220	1.4111	0.0491	1.08	2.10	1.11	2.60	0.53	0.56	53.2	58.7	0.0003
31158790	FT	39	485	1,385	1.7576	0.0638	0.96	-1.50	0.88	-2.51	0.47	0.42	74.6	73.3	0.0003
31158800	FT	40	1648	1,344	0.3039	0.0454	0.95	-1.55	0.95	-1.12	0.56	0.52	56.8	57.3	0.0002
31158830	FT	41	988	1,235	1.3595	0.0425	1.14	3.34	1.32	3.43	0.57	0.61	57.8	59.2	0.0003
31158840	FT	42	614	1,497	1.3382	0.0597	1.14	5.56	1.25	5.65	0.32	0.43	65.8	71.3	0.0003
31158850	FT	43	537	1,258	1.1124	0.0664	1.24	7.50	1.34	6.17	0.32	0.47	64.3	73.0	0.0003
31158870	FT	44	1740	2,039	-1.1295	0.0681	0.94	-1.38	0.88	-1.35	0.36	0.31	86.8	86.2	0.0002
31158880	FT	45	1484	1,738	-1.1549	0.0740	0.96	-0.86	0.93	-0.67	0.34	0.31	86.6	86.1	0.0002
31158890	FT	46	790	1,322	0.4905	0.0643	1.24	8.18	1.42	7.77	0.26	0.44	64.4	72.4	0.0003
31158900	FT	47	732	1,272	0.6258	0.0653	1.24	8.23	1.38	6.52	0.28	0.45	63.3	71.7	0.0003
31158910	FT	48	286	1,273	2.5270	0.0755	0.90	-2.57	0.82	-2.23	0.49	0.40	81.9	80.6	0.0003
31158920	FT	49	1065	1,223	1.5704	0.0608	0.99	-0.34	0.98	-0.33	0.50	0.48	70.7	71.2	0.0003
31158950	FT	50	652	1,250	0.7943	0.0648	1.02	0.68	1.01	0.21	0.44	0.44	70.3	70.6	0.0003
31158970	FT	51	1024	1,225	1.4242	0.0492	1.52	9.90	1.64	9.90	0.26	0.54	48.7	58.7	0.0003
31158980	FT	52	595	1,286	1.1757	0.0641	1.10	3.70	1.24	4.98	0.37	0.44	68.7	71.0	0.0003
31159000	FT	53	1030	1,538	0.0845	0.0612	1.13	4.36	1.20	3.66	0.32	0.40	70.1	74.1	0.0003
31159030	FT	54	292	1,291	2.5387	0.0742	1.23	5.46	2.03	9.81	0.16	0.38	77.9	80.2	0.0003
31159050	FT	55	1015	1,266	-0.7717	0.0782	1.00	0.00	0.92	-0.84	0.38	0.36	81.0	82.0	0.0002
31159060	FT	56	480	1,254	1.5226	0.0666	1.15	4.86	1.32	5.86	0.33	0.44	68.5	72.9	0.0003
31159070	FT	57	1488	1,220	0.4198	0.0457	1.11	2.89	1.17	3.05	0.51	0.55	53.1	56.7	0.0003

Mathematics Grade 6															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31159080	FT	58	471	1,410	1.8717	0.0639	1.03	0.96	1.01	0.12	0.41	0.42	73.0	73.9	0.0003
31159100	FT	59	457	1,240	2.5659	0.0535	1.19	3.36	1.65	4.71	0.44	0.53	69.9	74.4	0.0003
31159120	FT	60	695	1,260	0.6827	0.0651	0.83	-6.52	0.80	-4.33	0.58	0.44	77.1	71.4	0.0003
31159140	FT	61	617	1,216	2.1193	0.0503	1.00	0.07	1.06	0.80	0.55	0.56	66.7	67.2	0.0003
31159150	FT	62	165	1,412	3.5912	0.0903	0.96	-0.70	0.80	-1.49	0.35	0.32	89.1	88.9	0.0003
31159160	FT	63	763	1,264	2.0558	0.0497	1.24	5.69	1.50	7.99	0.43	0.56	53.2	63.1	0.0004
31159170	FT	64	386	1,276	2.0111	0.0695	1.09	2.71	1.31	4.56	0.36	0.43	74.2	76.2	0.0003
31159180	FT	65	928	1,254	-0.4280	0.0725	1.02	0.68	0.92	-0.93	0.41	0.39	76.4	78.0	0.0002
31159190	FT	66	1032	1,460	-0.1379	0.0647	1.00	0.16	1.08	1.29	0.39	0.39	76.0	76.1	0.0003
31159200	FT	67	1136	1,367	1.5595	0.0466	1.10	2.96	1.14	3.62	0.47	0.52	58.0	59.3	0.0003
31159210	FT	68	27	1,387	5.7399	0.2033	1.12	0.70	1.95	2.63	0.06	0.16	97.9	98.1	0.0004
31159220	FT	69	802	1,416	0.6779	0.0610	0.84	-6.79	0.82	-4.50	0.56	0.43	78.0	71.0	0.0003
31159250	FT	71	465	1,260	1.6159	0.0665	1.13	4.45	1.32	5.74	0.33	0.43	69.6	72.9	0.0003
31159280	FT	72	613	1,327	1.2382	0.0630	1.04	1.69	1.08	1.87	0.42	0.44	69.3	71.0	0.0003
31159290	FT	73	846	1,279	1.8696	0.0478	1.10	2.62	1.21	3.86	0.51	0.56	53.4	60.7	0.0003
31221730	FT	300	129	1,263	3.7813	0.1028	0.89	-1.62	0.87	-0.78	0.41	0.33	91.3	90.5	0.0003
31222220	FT	301	640	1,262	0.9821	0.0652	0.97	-1.03	0.98	-0.40	0.49	0.46	73.7	71.5	0.0003
31222320	FT	302	948	1,227	1.6663	0.0504	1.19	4.87	1.25	5.82	0.45	0.55	55.8	60.4	0.0003
31222410	FT	303	457	1,275	1.7308	0.0666	1.54	9.90	1.96	9.90	0.02	0.43	57.0	73.6	0.0003
31222530	FT	304	308	1,263	2.4408	0.0746	0.94	-1.68	0.77	-3.11	0.49	0.42	79.4	79.8	0.0003
31222810	FT	305	549	1,257	1.2737	0.0659	1.01	0.45	1.11	2.29	0.46	0.46	73.7	72.3	0.0003
31222830	FT	306	159	1,263	3.5054	0.0941	0.84	-2.69	0.59	-3.54	0.47	0.35	89.7	88.4	0.0003
31222930	FT	307	310	1,257	2.4625	0.0766	0.99	-0.24	0.88	-1.47	0.49	0.47	80.8	80.7	0.0003
31223030	FT	308	687	1,368	2.5237	0.0507	1.03	0.86	1.20	3.74	0.45	0.49	63.3	65.5	0.0004
31223120	FT	309	968	1,224	1.6606	0.0521	1.33	8.17	1.40	9.31	0.34	0.52	52.6	62.0	0.0003
31223210	FT	310	822	1,258	0.1718	0.0675	0.99	-0.16	1.02	0.30	0.44	0.42	74.4	73.8	0.0003
31223230	FT	311	589	1,256	1.1708	0.0653	1.15	5.32	1.21	4.14	0.36	0.46	67.1	71.4	0.0003
31223460	FT	312	549	1,258	1.3617	0.0659	1.43	9.90	1.77	9.90	0.15	0.46	57.9	71.9	0.0003
31223650	FT	313	1047	1,260	-1.1393	0.0830	1.07	1.37	1.24	1.90	0.28	0.34	84.3	84.0	0.0002
31223830	FT	314	379	1,283	2.1868	0.0700	1.15	4.25	1.31	4.43	0.32	0.43	72.7	76.8	0.0003
31223930	FT	315	431	1,279	1.9235	0.0680	0.88	-3.94	0.76	-4.51	0.55	0.45	77.7	74.9	0.0003
31224330	FT	316	1061	1,268	1.3949	0.0452	0.99	-0.16	1.02	0.38	0.57	0.56	55.2	56.6	0.0003
31224340	FT	317	1065	1,346	-0.7488	0.0743	1.08	2.03	1.12	1.30	0.30	0.35	80.1	81.0	0.0002

Mathematics Grade 6															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31224520	FT	318	556	1,335	1.3595	0.0643	1.09	3.02	1.31	5.87	0.39	0.46	71.8	72.5	0.0003
31224820	FT	319	779	1,371	0.5141	0.0618	1.16	6.32	1.22	4.33	0.31	0.42	62.5	70.6	0.0003
31224940	FT	320	831	1,261	0.1021	0.0681	1.02	0.57	1.13	1.94	0.41	0.43	74.9	74.3	0.0003

Table J.11. IRT Item-Level Statistics—Mathematics Grade 7

Mathematics Grade 7															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31159650	OP	1	22689	22,893	0.9422	0.0099	0.94	-7.94	0.93	-5.55	0.61	0.56	54.1	53.6	0.0006
31161340	OP	2	8886	11,919	-0.4860	0.0233	0.92	-7.24	0.81	-7.75	0.44	0.34	78.5	77.2	0.0711
31161810	OP	3	6975	22,893	2.0704	0.0165	0.97	-3.60	1.17	9.90	0.44	0.43	79.7	77.0	-0.0517
31161930	OP	4	656	1,351	0.7130	0.0549	0.96	-5.14	0.96	-5.17	0.07	-0.06	61.4	55.4	0.0006
31161940	OP	5	2496	5,258	0.2443	0.0279	0.97	-8.63	0.96	-8.68	0.07	-0.06	60.7	56.0	0.0005
31162000	OP	6	155	320	0.1485	0.1128	0.95	-3.80	0.94	-3.78	0.11	-0.09	62.8	55.3	0.0005
31162030	OP	7	155	292	0.2940	0.1182	0.98	-1.47	0.98	-1.45	-0.03	-0.09	61.0	55.8	0.0006
31162300	OP	8	799	1,559	0.0976	0.0511	0.95	-7.05	0.95	-7.07	0.09	-0.07	62.8	55.6	0.0005
31162400	OP	9	1043	2,364	-0.2200	0.0419	0.94	-7.71	0.94	-7.70	0.13	-0.07	63.4	57.5	0.0003
31162620	OP	10	8322	10,974	-0.4575	0.0244	0.91	-7.67	0.97	-0.94	0.39	0.34	80.1	77.6	-0.0044
31162640	OP	11	1550	3,248	-0.1228	0.0355	0.95	-9.90	0.94	-9.77	0.12	-0.05	62.3	56.2	0.0004
31162720	OP	12	220	551	-0.3969	0.0882	0.97	-1.25	0.97	-1.32	0.03	-0.04	62.1	61.0	0.0002
31167170	OP	13	114	254	0.2018	0.1274	0.99	-0.43	0.99	-0.51	-0.04	-0.06	58.3	56.9	0.0005
31167280	OP	14	667	1,354	-0.6166	0.0554	0.98	-2.27	0.98	-2.07	0.08	0.01	60.1	57.7	0.0003
31167310	OP	15	172	287	1.2250	0.1229	0.86	-4.48	0.84	-4.57	0.40	0.06	71.1	61.7	0.0008
31167380	OP	16	383	711	1.2616	0.0766	0.92	-5.41	0.91	-5.49	0.24	0.04	65.3	58.1	0.0007
31167420	OP	17	133	378	-0.3945	0.1097	0.96	-1.21	0.95	-1.29	0.12	0.01	65.9	65.3	0.0001
31167570	OP	18	14620	22,893	0.1724	0.0154	0.95	-8.85	0.93	-5.31	0.44	0.39	74.0	71.6	0.0477
31167690	OP	19	12404	22,893	0.7262	0.0150	1.10	9.90	1.14	9.90	0.34	0.42	66.0	69.9	0.0006
31167710	OP	20	2956	6,210	1.9761	0.0274	1.01	0.79	1.01	0.92	0.29	0.29	65.1	66.1	0.0008
31167750	OP	21	615	980	1.7300	0.0682	0.84	-7.56	0.81	-7.50	0.43	0.12	71.1	64.5	0.0008
31167830	OP	22	221	460	1.7969	0.0955	0.87	-6.90	0.86	-6.82	0.38	0.08	71.3	59.0	0.0007
31167890	OP	23	582	1,372	1.4424	0.0554	0.95	-4.22	0.95	-4.25	0.14	0.02	62.8	59.5	0.0007
31167940	OP	24	57	115	0.1827	0.1881	1.00	-0.04	1.00	-0.01	-0.11	-0.08	55.7	55.2	0.0005

Mathematics Grade 7															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31168020	OP	25	678	1,341	0.7739	0.0551	0.96	-5.12	0.96	-5.11	0.08	-0.05	61.2	55.5	0.0006
31168060	OP	26	1963	2,740	2.0180	0.0446	0.84	-8.53	0.78	-7.82	0.44	0.20	76.0	72.2	0.0009
31168150	OP	27	140	327	1.5930	0.1135	0.91	-3.57	0.91	-3.64	0.28	0.03	66.1	59.6	0.0007
31168170	OP	28	241	366	1.6058	0.1135	0.87	-3.42	0.82	-3.80	0.39	0.11	70.5	66.9	0.0008
31168190	OP	29	506	1,017	0.6814	0.0633	0.97	-3.94	0.97	-3.90	0.04	-0.06	60.1	55.3	0.0006
31168220	OP	30	703	1,412	-0.3555	0.0539	0.95	-6.74	0.94	-6.76	0.12	-0.04	62.6	56.2	0.0003
31168230	OP	31	777	1,762	0.4917	0.0485	0.96	-5.21	0.95	-5.25	0.07	-0.05	62.5	57.4	0.0005
31168240	OP	32	8409	12,457	0.0032	0.0207	0.91	-9.90	0.84	-8.90	0.42	0.32	74.1	70.0	0.0006
31168250	OP	33	809	1,977	-0.4174	0.0465	0.94	-5.47	0.93	-5.26	0.16	-0.01	65.7	60.4	0.0002
31168610	OP	34	805	1,918	-0.4852	0.0470	0.94	-6.09	0.93	-5.98	0.16	-0.02	65.1	59.5	0.0002
31168620	OP	35	48	166	-0.2478	0.1742	0.97	-0.45	0.96	-0.46	0.10	0.01	71.7	71.1	0.0001
31169120	OP	36	2195	3,787	1.9342	0.0352	0.98	-1.38	0.98	-0.83	0.29	0.27	66.5	65.1	0.0009
31169170	OP	37	7599	14,176	1.4781	0.0183	0.99	-2.25	0.98	-1.58	0.35	0.32	66.8	66.5	0.0007
31169200	OP	38	328	750	0.8266	0.0746	0.95	-3.12	0.95	-3.21	0.10	-0.01	60.5	58.4	0.0006
31169290	OP	39	5464	11,919	1.2395	0.0210	0.92	-9.51	0.90	-7.97	0.50	0.43	74.9	71.4	-0.1033
31169310	OP	40	1595	3,393	1.5828	0.0349	0.95	-8.56	0.95	-8.55	0.16	0.02	63.9	57.5	0.0007
31169400	OP	41	1361	3,074	0.5583	0.0366	0.95	-8.74	0.94	-8.82	0.12	-0.07	62.5	57.4	0.0005
31169420	OP	42	54	109	1.5756	0.1951	0.95	-1.32	0.95	-1.41	0.15	0.04	62.4	57.8	0.0008
31169450	OP	43	4709	7,230	1.6550	0.0261	0.93	-7.87	0.90	-6.79	0.34	0.23	71.0	67.4	0.0009
31169470	OP	44	1689	3,262	1.3377	0.0356	0.95	-8.84	0.94	-8.96	0.19	0.02	63.6	57.5	0.0007
31169480	OP	45	388	949	1.1733	0.0668	0.96	-2.81	0.95	-2.91	0.09	-0.02	62.8	60.1	0.0006
31169500	OP	46	92	206	1.8365	0.1423	0.94	-2.16	0.94	-2.16	0.16	0.01	66.0	58.5	0.0007
31169510	OP	47	10028	15,461	0.8169	0.0181	0.94	-9.02	0.91	-7.18	0.38	0.30	71.2	68.3	0.0007
31169640	OP	48	115	275	0.9769	0.1233	0.94	-2.26	0.94	-2.28	0.14	-0.06	63.6	58.8	0.0006
31169660	OP	49	256	591	2.1887	0.0847	0.93	-3.54	0.93	-3.19	0.18	0.05	65.7	59.8	0.0008
31169740	OP	50	2405	4,882	-0.2169	0.0293	0.97	-5.62	0.97	-5.10	0.14	0.05	61.5	58.3	0.0004
31169760	OP	51	422	970	0.5927	0.0654	0.98	-1.83	0.98	-1.77	0.01	-0.06	60.1	57.8	0.0005
31169770	OP	52	351	580	-1.5496	0.0863	0.96	-1.65	0.96	-1.73	0.07	-0.04	63.8	61.9	0.0002
31169850	OP	53	520	872	-0.2335	0.0697	0.94	-3.63	0.94	-3.72	0.13	-0.05	63.1	60.2	0.0005
31169870	OP	54	338	634	0.3210	0.0803	0.96	-3.94	0.95	-4.02	0.07	-0.08	59.9	55.8	0.0006
31169990	OP	55	539	1,160	0.1890	0.0596	0.95	-4.85	0.95	-4.74	0.09	-0.03	64.1	56.8	0.0005
31170000	OP	56	129	304	0.8078	0.1172	0.95	-2.32	0.94	-2.40	0.11	-0.05	62.2	58.7	0.0006
31170040	OP	57	1712	3,382	0.4581	0.0347	0.98	-5.41	0.98	-5.40	0.00	-0.08	58.9	55.1	0.0006

Mathematics Grade 7															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31170070	OP	58	799	1,622	2.0040	0.0510	0.88	-9.90	0.87	-9.90	0.35	0.09	71.3	59.4	0.0008
31171850	OP	59	9744	22,893	1.3617	0.0153	0.89	-9.90	0.85	-9.90	0.54	0.43	75.8	71.9	-0.0305
31171950	OP	60	354	980	-0.4050	0.0675	0.95	-2.32	0.95	-2.37	0.10	-0.04	65.8	64.1	0.0002
31171980	OP	61	651	1,115	-0.1390	0.0614	0.97	-2.64	0.96	-2.60	0.06	-0.03	62.8	59.4	0.0005
31172070	OP	62	9249	11,919	-0.6597	0.0240	0.91	-7.72	0.82	-6.53	0.41	0.32	80.6	79.2	0.0455
31172270	OP	63	11339	22,893	0.9501	0.0150	0.95	-8.18	0.93	-7.35	0.46	0.43	72.1	70.2	0.0167
31172310	OP	64	536	1,135	0.8354	0.0600	0.97	-3.44	0.97	-3.47	0.03	-0.06	60.2	55.9	0.0006
31172340	OP	65	289	704	1.8345	0.0779	0.95	-2.90	0.94	-3.02	0.16	0.03	63.2	60.6	0.0007
31172380	OP	66	15300	22,893	0.0126	0.0157	0.93	-9.90	0.88	-8.23	0.44	0.38	75.4	72.7	0.0447
31172470	OP	67	255	549	-0.2578	0.0865	0.93	-5.12	0.93	-5.03	0.16	-0.06	65.9	56.5	0.0003
31172530	OP	68	8676	10,974	-0.6488	0.0253	0.92	-6.61	0.89	-3.78	0.37	0.32	81.6	79.7	-0.0335
31172580	OP	69	995	2,082	1.1242	0.0443	0.93	-9.90	0.93	-9.90	0.20	-0.04	64.7	56.1	0.0007
31172600	OP	70	741	1,654	-0.1489	0.0501	0.94	-6.59	0.93	-6.64	0.14	-0.02	63.0	57.8	0.0003
31172610	OP	71	935	2,248	0.0902	0.0432	0.96	-4.87	0.95	-5.00	0.09	-0.05	63.2	59.4	0.0004
31172690	OP	72	6832	10,974	0.3285	0.0221	1.05	5.38	1.09	4.49	0.35	0.40	69.4	70.9	-0.0014
31172760	OP	73	293	843	0.8460	0.0730	0.95	-2.00	0.94	-2.30	0.10	-0.05	65.6	65.3	0.0005
31172800	OP	74	660	1,324	1.6577	0.0560	0.93	-6.77	0.92	-6.75	0.20	0.04	65.9	57.8	0.0008
31172830	OP	75	1327	1,935	2.0122	0.0517	0.95	-2.56	0.96	-1.13	0.30	0.21	72.2	69.8	0.0009
31172850	OP	76	478	966	0.4915	0.0651	0.92	-8.57	0.92	-8.49	0.22	-0.03	66.9	56.1	0.0006
31172880	OP	77	3137	6,990	2.6394	0.0258	1.00	0.33	1.00	0.25	0.25	0.26	65.4	65.8	0.0009
31172920	OP	78	545	1,010	-0.1490	0.0639	0.94	-5.37	0.94	-5.36	0.14	-0.02	64.1	57.1	0.0005
31172930	OP	79	1370	2,559	1.2563	0.0402	0.92	-9.90	0.92	-9.90	0.24	0.01	66.3	57.4	0.0007
31173020	OP	80	941	1,938	1.1270	0.0460	0.92	-9.90	0.92	-9.90	0.24	-0.01	67.8	56.5	0.0007
31173050	OP	81	378	822	-0.0611	0.0707	0.93	-6.25	0.93	-6.20	0.17	-0.06	65.1	56.6	0.0004
31173060	OP	82	294	732	-0.1907	0.0764	0.92	-4.19	0.92	-4.18	0.19	-0.02	66.7	60.9	0.0002
31173230	OP	83	1073	2,058	1.2431	0.0447	0.93	-9.90	0.92	-9.90	0.22	0.00	66.5	56.7	0.0007
31173350	OP	84	232	674	0.6461	0.0817	0.97	-1.26	0.96	-1.40	0.05	-0.06	66.0	65.6	0.0005
31173360	OP	85	6712	11,919	0.6748	0.0208	0.98	-1.98	0.99	-0.89	0.42	0.42	70.8	69.9	-0.0800
31173440	OP	86	9221	22,893	1.4317	0.0154	0.95	-7.23	0.97	-3.16	0.46	0.43	74.7	72.3	0.0224
31173470	OP	87	13087	18,800	0.2716	0.0171	0.99	-1.65	0.96	-2.50	0.34	0.31	71.8	71.6	0.0007
31176450	OP	88	7495	10,974	0.0044	0.0227	0.88	-9.90	0.83	-8.07	0.48	0.38	78.1	73.1	-0.0099
31191260	OP	89	540	1,266	-0.3566	0.0581	0.96	-3.18	0.95	-3.11	0.15	0.04	64.8	60.0	0.0002
31191270	OP	90	374	752	0.3653	0.0736	0.96	-4.67	0.95	-4.71	0.06	-0.07	59.2	55.3	0.0005

Mathematics Grade 7															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31191290	OP	91	765	2,157	-0.1211	0.0458	0.96	-2.88	0.96	-2.69	0.13	0.01	66.8	64.9	0.0002
31191300	OP	92	298	753	1.1584	0.0751	0.97	-1.78	0.96	-1.88	0.04	-0.06	61.5	60.7	0.0006
31191310	OP	93	991	2,479	-0.2722	0.0418	0.97	-2.81	0.97	-2.44	0.10	0.02	63.5	61.3	0.0002
31191340	OP	94	569	1,225	1.3517	0.0582	0.93	-6.55	0.93	-6.52	0.21	0.02	64.5	57.7	0.0007
31191350	OP	95	1042	2,156	0.5963	0.0435	0.95	-8.90	0.95	-8.91	0.11	-0.06	62.7	55.7	0.0006
31191360	OP	96	7932	11,919	0.0394	0.0216	0.94	-7.44	0.89	-5.74	0.43	0.38	74.6	72.2	0.0135
31191370	OP	97	6187	8,415	1.0709	0.0259	0.98	-2.08	0.98	-1.12	0.26	0.22	74.4	73.7	0.0008
31191400	OP	98	13467	22,893	0.4486	0.0151	1.07	9.90	1.05	4.47	0.35	0.40	66.8	70.3	0.0383
31191410	OP	99	1246	2,971	-0.2906	0.0381	0.91	-9.73	0.90	-7.73	0.28	0.07	69.3	60.9	0.0003
31191420	OP	100	1136	3,059	1.1849	0.0378	0.94	-5.75	0.93	-6.21	0.15	-0.03	65.0	63.1	0.0006
31191440	OP	101	16289	22,893	-0.2467	0.0162	1.02	2.84	1.10	5.50	0.34	0.36	74.7	75.0	0.0568
31191450	OP	102	920	1,988	-0.5952	0.0459	0.94	-6.84	0.93	-6.61	0.18	0.03	64.7	58.5	0.0002
31191460	OP	103	9440	22,893	1.4294	0.0154	1.30	9.90	1.45	9.90	0.19	0.43	62.5	72.3	-0.0269
31191850	OP	104	561	1,341	0.1782	0.0559	0.95	-4.72	0.94	-4.82	0.11	-0.06	62.2	59.0	0.0004
31191950	OP	105	1090	2,448	0.9982	0.0411	0.92	-9.90	0.91	-9.90	0.26	-0.03	67.0	57.4	0.0006
31191960	OP	106	240	721	1.7224	0.0798	0.96	-1.36	0.95	-1.59	0.10	-0.02	67.0	66.8	0.0006
31191990	OP	107	571	1,147	1.2379	0.0598	0.93	-7.58	0.93	-7.57	0.19	-0.02	65.3	56.2	0.0007
31192100	OP	108	3111	6,053	2.4753	0.0274	0.96	-5.12	0.96	-3.63	0.30	0.23	66.8	63.9	0.0009
31192230	OP	109	1263	2,795	1.0937	0.0384	0.95	-7.25	0.95	-7.33	0.11	-0.04	61.6	57.0	0.0006
31192240	OP	110	1323	2,601	0.9034	0.0397	0.96	-7.41	0.95	-7.38	0.11	-0.02	62.1	56.2	0.0006
31192750	OP	111	1388	4,724	3.7632	0.0341	1.04	2.51	1.05	2.64	0.16	0.21	72.6	73.7	0.0009
31192760	OP	112	1169	2,220	0.8113	0.0429	0.96	-6.15	0.96	-6.06	0.08	-0.04	62.2	55.9	0.0006
31193190	OP	113	400	1,030	0.7225	0.0647	0.96	-2.53	0.95	-2.67	0.06	-0.02	63.1	61.6	0.0005
31193270	OP	114	7418	11,919	0.2857	0.0211	0.94	-7.64	0.86	-8.34	0.46	0.39	72.5	70.8	0.0006
31193280	OP	115	15395	22,893	-0.0468	0.0158	0.89	-9.90	0.80	-9.90	0.48	0.37	76.3	73.2	0.0818
31193310	OP	116	8146	10,974	-0.3621	0.0240	0.90	-9.34	0.81	-7.52	0.43	0.35	78.8	76.5	0.0032
31193320	OP	117	3334	10,662	1.6486	0.0228	1.01	0.65	1.13	8.22	0.32	0.34	75.3	73.3	0.0006
31193350	OP	118	514	1,164	0.2917	0.0596	0.93	-7.23	0.92	-7.33	0.20	-0.06	64.8	57.3	0.0005
31193360	OP	119	477	1,257	3.6919	0.0620	0.99	-0.26	1.00	-0.02	0.21	0.19	68.1	67.7	0.0010
31193400	OP	120	12997	19,922	0.4093	0.0162	0.94	-9.37	0.94	-4.33	0.40	0.34	73.0	70.0	0.0006
31193410	OP	121	948	1,930	0.4755	0.0459	0.97	-5.84	0.97	-5.78	0.02	-0.08	60.1	55.1	0.0006
31193440	OP	122	525	1,194	-0.3987	0.0591	0.95	-4.29	0.95	-4.25	0.10	-0.04	63.3	58.2	0.0002
31193450	OP	123	639	1,262	-0.0161	0.0570	0.95	-6.45	0.94	-6.47	0.13	-0.03	63.5	56.1	0.0005

Mathematics Grade 7															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31193460	OP	124	602	1,344	1.1188	0.0554	0.94	-5.91	0.94	-5.94	0.14	-0.03	63.6	57.3	0.0006
31193470	OP	125	2535	6,608	0.1831	0.0258	0.96	-5.75	0.96	-4.97	0.17	0.05	66.7	62.4	0.0004
31193510	OP	126	789	1,744	0.0341	0.0488	0.95	-5.47	0.95	-5.63	0.10	-0.02	60.7	57.7	0.0004
31193520	OP	127	876	1,560	0.3978	0.0515	0.95	-5.20	0.95	-5.26	0.10	-0.07	61.0	57.4	0.0006
31193530	OP	128	675	1,441	0.5283	0.0533	0.95	-7.03	0.94	-7.10	0.11	-0.06	62.7	56.0	0.0006
31193540	OP	129	12595	22,893	0.6986	0.0150	0.89	-9.90	0.84	-9.90	0.50	0.42	75.0	69.9	-0.0150
31193550	OP	130	297	653	0.6620	0.0793	0.94	-4.87	0.94	-4.85	0.13	-0.06	64.3	56.5	0.0006
31193560	OP	131	3953	10,974	1.7506	0.0229	1.04	3.85	1.13	7.46	0.40	0.44	73.3	74.3	-0.0356
31193580	OP	132	9190	22,893	1.4608	0.0154	1.21	9.90	1.33	9.90	0.26	0.43	66.6	72.5	0.0006
31193590	OP	133	9881	22,893	1.2988	0.0152	1.12	9.90	1.17	9.90	0.34	0.43	68.0	71.6	0.0006
31193600	OP	134	630	1,287	1.1302	0.0564	0.97	-3.47	0.97	-3.48	0.06	-0.02	58.7	56.1	0.0007
31193610	OP	135	10461	22,893	1.1751	0.0151	1.07	9.90	1.11	9.90	0.36	0.43	68.8	71.0	-0.0092
31193630	OP	136	9697	11,919	-0.9574	0.0257	0.94	-4.33	0.83	-5.29	0.37	0.29	82.6	82.6	0.0749
31193640	OP	137	693	1,323	-0.1530	0.0556	0.96	-4.64	0.96	-4.62	0.06	-0.05	60.8	56.1	0.0004
31193650	OP	138	2111	4,750	0.0795	0.0300	0.99	-1.00	1.00	-0.09	0.12	0.08	62.4	59.8	0.0004
31193660	OP	139	12223	22,893	0.7670	0.0150	1.10	9.90	1.11	9.90	0.35	0.42	65.7	69.9	0.0006
31193670	OP	140	755	1,874	0.6703	0.0476	0.97	-3.17	0.96	-3.25	0.06	-0.03	62.4	60.4	0.0005
31231230	OP	141	11152	22,893	0.9936	0.0150	1.18	9.90	1.26	9.90	0.27	0.43	63.6	70.3	0.0154
31231300	OP	142	339	1,301	0.4604	0.0646	1.01	0.34	1.02	0.42	0.08	0.08	73.7	74.1	0.0003
31231620	OP	143	9320	21,592	1.3916	0.0156	1.16	9.90	1.23	9.90	0.29	0.42	66.1	71.2	0.0007
31232620	OP	144	380	803	0.6735	0.0713	0.96	-3.80	0.96	-3.81	0.06	-0.06	60.1	55.8	0.0006
31232770	OP	145	422	1,109	0.2052	0.0625	0.95	-2.83	0.94	-3.11	0.09	-0.04	62.9	62.3	0.0004
31238410	OP	146	4012	10,974	3.0875	0.0204	1.25	9.90	1.43	9.90	0.36	0.49	69.2	74.1	-0.0652
31238420	OP	147	27315	22,893	0.4855	0.0103	0.96	-4.58	0.98	-1.97	0.53	0.53	54.0	54.5	-0.0209
31238430	OP	148	7631	11,919	2.1679	0.0174	1.44	9.90	1.48	9.90	0.20	0.50	50.3	63.3	0.0007
31238460	OP	149	6543	10,974	2.1239	0.0171	1.15	9.90	1.21	9.90	0.44	0.54	56.4	63.0	0.0008
31238490	OP	150	9525	11,919	1.4716	0.0146	1.06	4.57	1.07	4.10	0.55	0.57	53.3	57.4	-0.0746
31159390	FT	1	1320	1,887	-0.0738	0.0554	1.02	0.70	1.04	0.74	0.36	0.37	73.6	73.9	0.0001
31159420	FT	2	694	1,603	1.2681	0.0566	1.00	0.17	1.00	0.00	0.41	0.41	70.7	70.3	0.0001
31159430	FT	3	323	1,331	2.4161	0.0718	0.96	-0.94	0.91	-1.38	0.44	0.40	80.2	79.4	0.0001
31159440	FT	4	938	1,355	1.9536	0.0462	1.09	2.39	1.11	2.36	0.52	0.56	56.8	60.0	0.0002
31159450	FT	5	113	1,456	4.0387	0.1058	0.87	-1.68	0.53	-3.69	0.40	0.29	92.8	92.5	0.0002
31159460	FT	6	596	1,361	1.3488	0.0621	0.98	-0.60	1.00	-0.03	0.45	0.44	74.0	71.3	0.0001

Mathematics Grade 7															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31159590	FT	7	414	1,509	2.2090	0.0657	1.21	5.72	1.47	7.38	0.25	0.43	74.6	78.2	0.0001
31159610	FT	8	431	1,275	1.8727	0.0670	0.99	-0.42	1.05	1.08	0.43	0.42	75.4	74.4	0.0001
31159620	FT	9	264	1,250	2.5756	0.0781	0.81	-4.56	0.61	-5.97	0.58	0.40	84.6	82.0	0.0001
31159630	FT	10	680	1,261	0.7965	0.0640	1.14	5.13	1.14	3.14	0.33	0.43	63.6	70.1	0.0001
31159660	FT	12	649	1,275	0.9399	0.0630	1.10	3.98	1.12	2.97	0.34	0.41	64.4	69.4	0.0001
31159670	FT	13	365	1,271	2.2233	0.0708	0.89	-3.12	0.81	-3.38	0.52	0.43	79.6	77.5	0.0002
31159680	FT	14	995	1,310	1.6752	0.0458	0.96	-1.04	0.96	-0.91	0.57	0.54	57.6	57.4	0.0001
31159800	FT	15	1178	1,345	1.2633	0.0429	1.06	1.71	1.08	1.78	0.53	0.55	52.3	54.3	0.0001
31159810	FT	16	368	1,293	2.1321	0.0691	0.92	-2.40	0.91	-1.58	0.47	0.40	78.4	76.6	0.0001
31159820	FT	17	420	1,270	1.8584	0.0675	1.15	4.38	1.29	5.47	0.30	0.42	71.5	74.8	0.0001
31159830	FT	18	218	1,301	1.0749	0.0755	1.04	0.81	1.09	1.49	-0.02	0.08	83.1	83.3	0.0001
31159890	FT	19	867	1,308	0.1674	0.0649	1.01	0.45	1.00	0.05	0.38	0.38	71.6	72.1	0.0001
31159900	FT	20	860	1,294	0.1106	0.0649	1.04	1.51	1.11	1.96	0.33	0.37	71.1	71.8	0.0001
31159910	FT	21	438	1,267	1.8500	0.0671	0.90	-3.24	0.82	-4.06	0.53	0.43	76.4	74.2	0.0001
31159920	FT	22	550	1,253	1.2526	0.0645	0.96	-1.42	0.92	-1.93	0.47	0.43	72.2	70.8	0.0001
31159930	FT	23	1015	1,313	1.8935	0.0522	0.95	-1.44	0.94	-1.71	0.55	0.50	66.9	62.7	0.0002
31159990	FT	24	195	1,285	3.1800	0.0863	1.18	3.25	1.71	5.72	0.19	0.36	84.7	86.2	0.0002
31160000	FT	25	294	1,294	2.5971	0.0757	0.88	-3.07	0.75	-3.64	0.53	0.43	82.8	81.2	0.0002
31160010	FT	26	565	1,324	2.5248	0.0518	1.28	5.70	1.48	6.20	0.38	0.53	64.0	69.7	0.0002
31160050	FT	27	2007	1,305	-0.3153	0.0477	0.81	-4.94	0.80	-2.66	0.55	0.45	68.5	64.5	0.0001
31160060	FT	28	568	1,254	1.2254	0.0644	1.06	2.21	1.10	2.31	0.39	0.43	68.6	70.6	0.0001
31160070	FT	29	70	1,247	4.5705	0.1352	0.90	-1.00	0.52	-2.61	0.37	0.29	94.8	94.7	0.0002
31160080	FT	30	245	1,329	3.5168	0.0694	1.03	0.41	1.25	1.89	0.39	0.41	84.7	84.7	0.0002
31160090	FT	31	154	1,266	3.5820	0.0947	0.92	-1.30	0.92	-0.64	0.38	0.34	89.5	88.6	0.0002
31160150	FT	32	901	1,319	1.8745	0.0473	1.10	2.61	1.12	2.79	0.49	0.54	56.2	59.5	0.0002
31160160	FT	33	865	1,268	0.0265	0.0666	1.05	1.89	1.13	2.07	0.33	0.37	70.9	72.9	0.0001
31160190	FT	34	1476	1,307	0.7036	0.0423	1.04	1.12	1.03	0.65	0.51	0.52	52.4	52.4	0.0001
31160250	FT	35	618	1,286	1.0562	0.0631	0.97	-1.16	0.96	-0.88	0.45	0.43	72.3	69.9	0.0001
31160260	FT	36	692	1,275	0.7684	0.0640	1.08	3.00	1.12	2.42	0.38	0.44	66.7	70.6	0.0001
31160280	FT	37	1397	1,390	1.1028	0.0426	0.91	-2.76	0.87	-3.11	0.63	0.57	56.6	55.1	0.0001
31160290	FT	38	60	1,324	4.7551	0.1415	0.94	-0.54	0.65	-1.69	0.30	0.24	95.7	95.6	0.0002
31160350	FT	39	466	1,281	1.6971	0.0665	0.89	-3.61	0.84	-3.48	0.54	0.45	77.0	74.0	0.0001
31160360	FT	40	414	1,247	1.9221	0.0686	1.00	-0.05	0.94	-1.19	0.45	0.44	74.3	74.9	0.0001

Mathematics Grade 7															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31160370	FT	41	534	1,245	1.3222	0.0650	1.08	2.69	1.13	2.99	0.37	0.43	67.9	71.3	0.0001
31160380	FT	42	397	2,104	2.8259	0.0621	1.10	2.72	1.25	3.54	0.30	0.38	81.3	83.1	0.0002
31160400	FT	43	1077	1,302	1.3549	0.0412	0.92	-2.14	0.86	-2.18	0.64	0.60	61.1	58.3	0.0001
31160480	FT	44	1068	1,490	-0.2228	0.0631	0.87	-4.93	0.76	-4.05	0.47	0.36	78.3	74.7	0.0001
31160490	FT	45	831	1,309	2.2075	0.0522	0.92	-2.29	0.92	-2.23	0.55	0.50	64.5	63.0	0.0002
31160510	FT	46	802	1,240	0.1857	0.0658	0.85	-6.19	0.76	-4.48	0.52	0.38	76.6	71.1	0.0001
31160580	FT	47	1053	1,307	1.3927	0.0411	0.95	-1.24	0.88	-1.91	0.62	0.58	59.4	56.7	0.0001
31160590	FT	48	341	1,262	2.2513	0.0721	0.83	-4.70	0.89	-1.75	0.54	0.43	83.3	78.4	0.0001
31160610	FT	49	839	1,314	1.8121	0.0444	1.09	2.14	1.17	2.79	0.52	0.57	58.2	61.0	0.0001
31160690	FT	50	623	1,348	1.1388	0.0623	1.01	0.44	1.06	1.38	0.44	0.44	69.0	71.0	0.0001
31160710	FT	51	586	1,253	1.1082	0.0644	0.97	-1.15	0.99	-0.17	0.46	0.44	72.6	70.6	0.0001
31160720	FT	52	1010	1,318	1.6422	0.0464	0.95	-1.46	0.94	-1.64	0.58	0.54	60.7	57.7	0.0002
31160780	FT	53	1135	1,438	1.5443	0.0443	1.03	0.86	1.03	0.85	0.52	0.53	54.6	57.0	0.0001
31160790	FT	54	892	1,304	2.1183	0.0514	1.07	1.85	1.07	2.05	0.49	0.52	62.0	61.9	0.0002
31160800	FT	55	704	1,252	0.6563	0.0640	1.14	5.44	1.23	4.94	0.29	0.41	64.0	69.9	0.0001
31160810	FT	56	336	1,248	2.2190	0.0732	0.83	-4.54	0.67	-5.82	0.59	0.44	81.9	79.0	0.0001
31160820	FT	57	637	1,322	2.4115	0.0508	1.39	8.21	1.71	9.90	0.32	0.54	59.0	67.3	0.0002
31160830	FT	58	829	1,261	0.1053	0.0657	0.80	-8.20	0.77	-4.39	0.55	0.38	82.1	71.7	0.0001
31160900	FT	59	935	1,724	0.7424	0.0544	1.02	0.80	1.04	1.13	0.40	0.42	70.1	69.6	0.0001
31160910	FT	60	659	1,259	0.8232	0.0642	0.80	-8.17	0.74	-6.20	0.60	0.44	79.2	70.3	0.0001
31160920	FT	61	610	1,308	2.2641	0.0489	0.93	-1.47	0.90	-1.29	0.60	0.56	70.1	69.5	0.0001
31160930	FT	62	592	1,253	1.1030	0.0641	0.88	-4.76	0.88	-3.34	0.53	0.43	73.9	70.3	0.0001
31160940	FT	63	238	1,306	3.6117	0.0712	0.91	-1.31	0.66	-2.97	0.49	0.43	87.2	85.1	0.0002
31160950	FT	64	596	1,243	1.0089	0.0645	1.06	2.21	1.13	2.91	0.39	0.43	68.1	70.3	0.0001
31161040	FT	65	546	1,248	1.2335	0.0648	1.18	6.13	1.24	5.35	0.29	0.43	65.1	71.1	0.0001
31161060	FT	66	480	1,253	1.5722	0.0667	0.84	-5.46	0.77	-5.36	0.59	0.45	78.1	73.5	0.0001
31161100	FT	67	428	1,256	1.7811	0.0678	1.12	3.63	1.37	6.70	0.32	0.44	73.4	74.6	0.0001
31161110	FT	68	242	1,249	2.8113	0.0813	0.88	-2.70	0.80	-2.45	0.51	0.41	85.1	83.4	0.0002
31161120	FT	69	486	1,305	2.8255	0.0553	1.01	0.27	1.32	4.10	0.45	0.51	70.2	73.1	0.0002
31161130	FT	70	231	1,293	2.9751	0.0815	1.19	3.68	1.72	6.45	0.22	0.39	82.1	84.1	0.0002
31161140	FT	71	352	1,317	3.4972	0.0644	1.34	6.11	1.76	8.26	0.20	0.43	72.7	78.1	0.0004
31161200	FT	72	600	1,249	1.0019	0.0640	1.02	0.87	1.04	1.02	0.41	0.42	69.1	69.9	0.0001
31161210	FT	73	254	1,289	2.8093	0.0793	1.11	2.36	1.17	1.92	0.33	0.41	80.7	82.8	0.0002

Mathematics Grade 7															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31161220	FT	74	1412	1,321	0.8034	0.0418	1.04	1.26	1.07	1.66	0.52	0.54	52.2	52.4	0.0001
31161230	FT	75	481	1,502	1.9776	0.0631	1.06	2.00	1.32	6.10	0.36	0.44	75.9	75.9	0.0001
31161240	FT	76	441	1,539	2.0956	0.0637	1.04	1.36	1.10	2.00	0.39	0.42	76.3	77.1	0.0001
31225130	FT	216	564	1,276	1.2649	0.0639	1.14	5.09	1.24	5.54	0.32	0.43	66.3	70.8	0.0001
31225220	FT	217	582	1,249	1.0918	0.0643	1.24	8.46	1.38	8.21	0.24	0.43	61.2	70.3	0.0001
31225320	FT	218	665	1,255	0.8400	0.0642	1.00	0.20	0.99	-0.24	0.44	0.43	69.6	70.1	0.0001
31225940	FT	219	150	1,265	3.4418	0.0952	1.39	5.59	2.39	8.42	-0.04	0.33	86.6	88.8	0.0002
31226060	FT	220	259	1,307	3.8189	0.0727	0.87	-2.23	0.70	-3.62	0.50	0.41	84.2	83.2	0.0005
31226120	FT	221	407	1,260	1.8153	0.0682	1.34	9.40	1.57	9.62	0.14	0.43	66.7	75.2	0.0001
31226340	FT	222	746	1,257	0.4430	0.0646	0.95	-2.19	0.94	-1.15	0.46	0.41	72.5	70.1	0.0001
31226460	FT	223	69	1,263	2.5691	0.1281	0.92	-0.67	0.74	-2.15	0.34	0.17	94.9	94.8	0.0001
31226510	FT	224	864	1,314	0.1504	0.0649	0.85	-5.98	0.73	-4.83	0.53	0.40	76.3	72.2	0.0001
31226530	FT	225	530	1,243	1.2712	0.0657	1.17	5.58	1.32	6.64	0.32	0.45	67.3	72.1	0.0001
31226620	FT	226	836	1,307	1.7419	0.0441	1.21	4.68	1.20	2.84	0.50	0.59	56.6	62.5	0.0001
31226940	FT	227	387	1,328	2.1775	0.0689	0.94	-1.86	0.84	-3.01	0.50	0.43	78.6	77.2	0.0002
31227240	FT	228	645	1,247	0.7928	0.0636	1.01	0.29	1.00	0.08	0.41	0.41	68.8	69.1	0.0001
31227360	FT	229	379	1,364	2.2372	0.0688	1.35	8.82	1.70	9.90	0.14	0.43	71.1	78.0	0.0001
31227410	FT	230	173	1,331	3.4056	0.0900	1.02	0.42	1.23	1.91	0.31	0.35	87.9	87.9	0.0002
31227500	FT	231	482	1,401	1.7916	0.0638	1.12	4.06	1.13	2.73	0.34	0.43	69.2	74.2	0.0001

Table J.12. IRT Item-Level Statistics—Mathematics Grade 8

Mathematics Grade 8															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31159770	OP	1	15692	23,177	2.0883	0.0111	1.21	9.90	1.41	9.90	0.46	0.57	55.9	61.1	0.0007
31159860	OP	2	20906	23,177	1.4697	0.0103	0.90	-9.90	0.88	-9.90	0.65	0.59	58.3	56.7	0.0007
31160230	OP	3	22337	23,177	1.3584	0.0113	1.10	9.90	1.11	9.90	0.51	0.55	55.4	58.2	0.0007
31161500	OP	4	13122	23,177	0.8788	0.0152	1.04	6.79	1.03	2.53	0.40	0.44	69.6	71.6	0.0102
31161520	OP	5	1660	3,326	0.4227	0.0352	0.94	-9.90	0.94	-9.90	0.17	0.01	63.7	56.9	0.0005
31161550	OP	6	48	108	-0.1168	0.1969	0.93	-1.78	0.93	-1.73	0.21	0.02	63.9	58.5	0.0004
31161580	OP	7	13546	23,177	0.7788	0.0153	0.96	-7.00	0.90	-8.40	0.48	0.44	73.1	71.8	0.0118
31161650	OP	8	61	120	0.7152	0.1853	0.99	-0.18	0.99	-0.19	0.02	0.02	59.2	56.9	0.0005

Mathematics Grade 8															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31162120	OP	9	2516	4,579	-0.5383	0.0304	0.97	-4.85	0.96	-4.77	0.15	0.07	62.0	59.8	0.0004
31162170	OP	10	12902	23,177	0.9416	0.0152	1.03	4.36	1.00	-0.06	0.42	0.45	69.9	71.5	-0.0019
31162240	OP	11	1121	2,680	1.1916	0.0400	0.95	-5.58	0.94	-5.63	0.19	0.07	64.1	60.5	0.0006
31162270	OP	12	17395	23,177	-0.2024	0.0169	0.99	-1.28	1.04	1.85	0.38	0.38	78.9	77.8	0.0248
31162280	OP	13	704	1,465	0.2577	0.0532	1.00	0.03	1.00	0.02	0.02	0.04	56.8	57.7	0.0004
31162310	OP	14	105	218	0.3546	0.1389	0.90	-3.35	0.90	-3.31	0.29	0.09	65.6	58.8	0.0005
31162330	OP	15	60	109	-0.5662	0.1961	0.95	-1.14	0.95	-1.08	0.16	0.03	66.1	58.8	0.0004
31162440	OP	16	8287	12,852	1.4194	0.0199	1.08	9.90	1.15	9.90	0.21	0.30	65.8	68.8	0.0009
31162470	OP	17	1388	2,956	0.2853	0.0375	0.94	-8.63	0.94	-8.48	0.16	0.02	64.3	57.7	0.0004
31162600	OP	18	4399	6,737	2.0418	0.0272	0.96	-3.83	0.94	-4.01	0.29	0.23	69.4	67.9	0.0010
31163460	OP	19	6602	10,934	1.8086	0.0211	0.99	-1.72	0.97	-2.45	0.31	0.29	66.9	66.8	0.0009
31163510	OP	20	1152	2,386	1.3537	0.0422	0.98	-1.94	0.98	-2.07	0.14	0.13	60.8	60.0	0.0007
31168430	OP	21	14350	23,177	0.5848	0.0154	1.00	-0.56	0.93	-5.52	0.45	0.43	71.8	72.4	0.0170
31168490	OP	22	19671	23,177	-0.9446	0.0199	0.96	-3.48	0.84	-5.95	0.35	0.31	85.6	85.3	0.0212
31168500	OP	23	15527	23,176	0.3148	0.0158	1.02	2.93	1.02	1.26	0.41	0.42	73.1	73.7	0.0006
31170710	OP	24	1836	4,564	0.0793	0.0309	0.94	-6.94	0.94	-6.39	0.20	0.07	66.7	61.5	0.0004
31170730	OP	25	2055	4,569	2.1252	0.0306	0.96	-5.24	0.96	-5.08	0.19	0.11	63.7	60.5	0.0008
31170980	OP	26	1444	3,781	0.1929	0.0344	0.96	-3.40	0.96	-3.43	0.18	0.11	65.7	63.7	0.0004
31171100	OP	27	815	1,748	1.4742	0.0490	0.98	-2.32	0.97	-2.46	0.09	0.07	60.6	58.7	0.0007
31171220	OP	28	905	1,718	0.7885	0.0491	0.97	-2.91	0.97	-2.96	0.11	0.04	59.9	57.6	0.0006
31171270	OP	29	960	2,441	1.2148	0.0420	0.97	-2.44	0.97	-2.45	0.09	0.02	63.3	61.6	0.0005
31171440	OP	30	1115	2,638	-0.2183	0.0402	0.94	-6.60	0.94	-6.04	0.20	0.04	65.4	60.0	0.0004
31171500	OP	31	784	1,490	0.9190	0.0529	0.98	-2.26	0.97	-2.24	0.11	0.07	59.6	58.3	0.0006
31171570	OP	32	1239	2,441	1.2090	0.0413	0.94	-7.63	0.94	-7.50	0.20	0.07	64.7	58.2	0.0006
31171580	OP	33	69	118	0.5893	0.1895	0.92	-1.94	0.91	-2.01	0.27	0.02	66.1	59.9	0.0006
31171620	OP	34	16375	23,176	0.0705	0.0162	1.04	5.58	1.16	8.80	0.37	0.40	74.9	75.4	0.0294
31171670	OP	35	1423	3,827	1.0022	0.0340	0.96	-4.37	0.95	-4.42	0.14	0.04	65.6	63.5	0.0005
31171710	OP	36	1026	2,740	2.1900	0.0406	1.01	0.44	1.01	0.91	0.08	0.12	65.2	64.4	0.0007
31171730	OP	37	15937	23,176	0.1861	0.0160	0.86	-9.90	0.74	-9.90	0.54	0.41	78.6	74.6	0.0267
31171790	OP	38	15801	23,177	0.2215	0.0159	1.05	6.73	1.16	9.70	0.37	0.41	73.6	74.3	0.0261
31171860	OP	39	14906	23,177	0.4783	0.0156	1.05	7.05	1.06	4.29	0.38	0.43	71.6	72.9	-0.0105
31171900	OP	40	14781	18,543	-0.0226	0.0195	0.86	-9.90	0.69	-9.90	0.46	0.30	81.7	80.0	0.0006
31172010	OP	41	16640	23,177	0.0131	0.0164	1.04	5.42	1.03	1.53	0.37	0.39	74.6	75.9	0.0166

Mathematics Grade 8															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31189310	OP	42	1301	3,799	0.2834	0.0349	0.94	-4.83	0.93	-5.18	0.20	0.07	67.9	66.3	0.0004
31189450	OP	43	946	2,237	0.5712	0.0440	0.96	-3.91	0.95	-3.86	0.18	0.11	64.9	61.3	0.0005
31189480	OP	44	153	308	0.8385	0.1160	0.93	-3.56	0.92	-3.55	0.24	0.05	66.6	57.4	0.0006
31189520	OP	45	559	1,289	-0.3532	0.0576	0.93	-5.12	0.92	-5.14	0.24	0.08	66.6	60.4	0.0004
31189600	OP	46	710	1,645	1.4278	0.0507	0.96	-3.81	0.95	-3.77	0.14	0.05	63.7	59.5	0.0006
31189610	OP	47	216	457	-0.1113	0.0954	0.98	-1.14	0.98	-1.12	0.08	0.03	61.7	57.8	0.0004
31189640	OP	48	3724	6,058	-0.6939	0.0271	0.92	-9.90	0.91	-9.90	0.28	0.09	68.6	63.7	0.0004
31189670	OP	49	10999	23,177	1.4474	0.0152	0.99	-1.31	1.01	0.69	0.45	0.46	72.6	72.0	-0.0697
31189690	OP	50	861	1,863	0.7566	0.0474	1.00	0.44	1.00	0.24	0.05	0.07	57.2	58.7	0.0005
31189860	OP	51	514	1,333	0.2753	0.0575	0.90	-6.21	0.89	-6.23	0.31	0.07	69.2	62.9	0.0004
31189880	OP	52	41	126	2.1080	0.1939	0.91	-1.28	0.88	-1.46	0.29	0.08	68.3	67.7	0.0007
31189910	OP	53	524	1,029	0.4424	0.0634	0.93	-6.64	0.92	-6.57	0.22	0.04	65.5	57.6	0.0005
31189990	OP	54	10132	13,726	0.8357	0.0207	0.98	-2.17	0.99	-0.49	0.30	0.28	76.0	74.6	0.0008
31190010	OP	55	747	1,307	0.5155	0.0568	0.95	-4.40	0.94	-4.46	0.18	0.03	63.0	59.3	0.0005
31190080	OP	56	6033	9,589	1.8343	0.0226	0.93	-9.65	0.87	-9.86	0.36	0.27	70.0	67.2	0.0010
31190090	OP	57	1466	3,303	0.8142	0.0360	0.97	-3.19	0.97	-3.45	0.15	0.11	61.2	60.3	0.0005
31190160	OP	58	139	242	0.3693	0.1318	0.96	-1.61	0.95	-1.69	0.15	0.01	62.8	59.2	0.0005
31190180	OP	59	783	2,352	0.9694	0.0444	0.96	-2.79	0.95	-3.23	0.12	0.01	67.9	66.9	0.0004
31190260	OP	60	994	2,068	0.3877	0.0451	0.96	-4.42	0.96	-4.33	0.16	0.09	63.2	58.9	0.0005
31190270	OP	61	4190	7,545	2.4079	0.0248	1.03	3.71	1.03	2.96	0.22	0.26	63.8	64.8	0.0010
31190380	OP	62	1159	2,731	1.2395	0.0398	0.99	-0.62	0.99	-0.49	0.11	0.12	61.4	61.3	0.0006
31190540	OP	63	131	246	-0.3806	0.1305	0.94	-2.14	0.94	-2.16	0.21	0.06	61.4	58.7	0.0004
31191480	OP	64	15986	23,177	0.1992	0.0160	0.96	-6.09	0.91	-5.65	0.45	0.41	75.5	74.5	0.0006
31191510	OP	65	19095	23,176	-0.7566	0.0189	0.92	-8.11	0.86	-5.58	0.42	0.33	84.0	83.4	0.0467
31191520	OP	66	19392	23,177	-0.7968	0.0191	0.89	-9.90	0.86	-5.34	0.39	0.32	85.0	83.8	-0.0225
31191530	OP	67	12362	23,177	1.0634	0.0152	1.06	9.55	1.12	9.90	0.40	0.45	69.8	71.4	0.0006
31191540	OP	68	3280	6,256	-0.2717	0.0261	0.95	-9.19	0.94	-9.27	0.22	0.11	63.7	59.9	0.0004
31191550	OP	69	12529	16,919	0.5255	0.0188	0.94	-6.67	0.95	-2.59	0.37	0.30	77.3	74.9	0.0007
31191570	OP	70	4599	11,213	2.7303	0.0208	0.99	-0.75	0.99	-1.50	0.31	0.30	68.0	68.2	0.0009
31191590	OP	71	3814	11,966	1.1280	0.0204	1.03	4.18	1.08	6.83	0.13	0.19	69.3	69.0	0.0005
31191610	OP	72	20850	23,176	-1.4580	0.0231	0.90	-6.32	0.72	-8.63	0.36	0.26	90.0	90.0	0.0005
31191650	OP	73	2159	4,230	0.1003	0.0313	0.94	-9.90	0.94	-9.90	0.17	0.02	64.6	57.2	0.0004
31191660	OP	74	1095	2,013	0.9740	0.0458	0.98	-1.72	0.98	-2.02	0.10	0.09	60.5	59.3	0.0006

Mathematics Grade 8															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31191670	OP	75	7398	23,177	2.3228	0.0164	1.12	9.90	1.39	9.90	0.33	0.44	74.9	76.6	-0.0663
31191680	OP	76	2904	5,753	0.7891	0.0269	0.96	-7.79	0.96	-7.84	0.15	0.05	61.5	57.8	0.0006
31191690	OP	77	1652	3,821	1.8530	0.0334	1.01	1.72	1.02	1.76	0.02	0.07	59.1	60.0	0.0007
31191710	OP	78	12841	23,177	0.9885	0.0152	0.85	-9.90	0.80	-9.90	0.55	0.45	78.0	71.5	-0.0350
31191730	OP	79	13762	23,177	0.8010	0.0153	0.99	-1.40	1.02	1.72	0.43	0.44	72.3	71.7	-0.0619
31191740	OP	80	12300	23,177	1.1007	0.0152	1.02	3.42	1.03	2.99	0.42	0.45	70.9	71.4	-0.0225
31191780	OP	81	1227	3,944	0.4565	0.0351	0.97	-2.15	0.97	-2.08	0.14	0.07	70.1	69.0	0.0004
31191810	OP	82	13715	23,177	0.7538	0.0153	0.86	-9.90	0.82	-9.90	0.54	0.44	78.1	71.9	-0.0028
31191820	OP	83	1223	3,081	-0.0425	0.0376	0.94	-6.14	0.93	-5.86	0.21	0.06	66.7	61.8	0.0004
31191830	OP	84	13153	17,828	0.4447	0.0184	0.93	-8.04	0.85	-8.90	0.40	0.32	76.5	75.1	0.0007
31191840	OP	85	4872	7,989	2.1037	0.0245	0.95	-5.57	0.93	-5.40	0.31	0.25	68.4	66.1	0.0010
31191860	OP	86	5111	15,188	1.3442	0.0183	1.04	4.98	1.08	7.09	0.22	0.27	69.2	69.6	0.0005
31191930	OP	87	4019	5,096	1.4661	0.0360	0.92	-4.12	0.84	-5.62	0.34	0.21	79.7	78.9	0.0010
31192500	OP	88	2459	23,176	4.0212	0.0237	1.32	9.90	4.79	9.90	-0.09	0.32	89.5	90.1	0.0008
31232590	OP	89	10356	23,177	1.5106	0.0153	1.27	9.90	1.43	9.90	0.23	0.46	64.0	72.1	0.0163
31238390	OP	90	28429	23,177	0.6408	0.0106	0.94	-6.92	0.92	-6.63	0.59	0.56	58.9	57.0	0.0193
31159510	FT	1	850	1,037	-0.7568	0.0872	0.92	-1.62	0.90	-0.82	0.38	0.32	84.0	82.3	0.0002
31159560	FT	2	587	1,129	0.6541	0.0660	0.97	-1.20	0.96	-0.93	0.42	0.38	69.9	68.2	0.0002
31159570	FT	3	763	1,042	-0.1029	0.0778	0.97	-0.85	0.96	-0.48	0.42	0.39	77.0	76.4	0.0002
31159580	FT	4	1343	2,022	2.2493	0.0403	1.14	4.46	1.14	4.07	0.46	0.54	56.4	62.6	0.0002
31159690	FT	5	359	1,071	2.1290	0.0743	1.09	2.40	1.31	4.89	0.35	0.44	74.6	74.9	0.0002
31159710	FT	6	1819	2,071	1.4678	0.0328	1.14	4.43	1.20	3.13	0.57	0.63	55.0	59.4	0.0002
31159720	FT	7	807	1,067	-0.1890	0.0791	0.97	-0.78	0.98	-0.22	0.41	0.38	79.7	77.9	0.0002
31159730	FT	8	415	1,066	1.8728	0.0726	1.01	0.25	0.98	-0.44	0.46	0.46	71.7	73.2	0.0002
31159740	FT	9	3066	2,069	-0.0656	0.0381	0.95	-1.54	1.03	0.57	0.52	0.50	62.5	63.2	0.0002
31159750	FT	10	609	1,065	0.8974	0.0719	0.91	-2.82	0.87	-2.42	0.54	0.47	76.7	72.6	0.0002
31159760	FT	11	641	1,058	0.7244	0.0719	0.85	-5.07	0.77	-4.23	0.56	0.45	76.9	72.3	0.0002
31159780	FT	13	1779	2,052	1.5463	0.0363	1.18	5.93	1.23	6.44	0.49	0.58	52.3	57.2	0.0002
31159840	FT	14	678	1,071	0.4839	0.0723	0.90	-3.21	0.86	-2.22	0.51	0.44	76.8	72.9	0.0002
31159850	FT	15	530	1,068	1.2352	0.0704	1.26	8.05	1.35	6.88	0.26	0.46	61.9	71.3	0.0002
31159870	FT	17	703	1,060	0.3813	0.0737	1.01	0.17	0.94	-0.92	0.44	0.43	71.9	73.9	0.0002
31159880	FT	18	412	1,054	1.8778	0.0730	0.96	-1.20	0.90	-1.87	0.50	0.46	73.6	73.4	0.0002
31159940	FT	19	242	1,059	2.8733	0.0836	0.82	-4.23	0.63	-4.84	0.56	0.42	83.9	81.0	0.0002

Mathematics Grade 8															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31159960	FT	20	302	1,247	2.7939	0.0758	1.15	3.73	1.86	8.79	0.27	0.43	78.1	79.8	0.0002
31159970	FT	21	116	1,227	4.1896	0.1074	0.85	-2.08	0.68	-2.09	0.39	0.31	91.9	91.1	0.0002
31160020	FT	22	388	1,063	2.0899	0.0733	0.99	-0.31	0.95	-0.94	0.46	0.45	73.2	73.9	0.0002
31160030	FT	23	819	1,138	-0.3831	0.0712	0.88	-4.19	0.76	-3.48	0.44	0.32	76.7	73.6	0.0002
31160040	FT	24	2061	2,030	1.1818	0.0356	0.97	-1.10	0.96	-1.25	0.60	0.57	57.4	55.2	0.0002
31160100	FT	25	371	1,061	2.0555	0.0747	0.94	-1.83	0.87	-2.31	0.52	0.46	77.2	75.4	0.0002
31160110	FT	26	164	1,044	3.3528	0.0950	0.95	-0.85	0.83	-1.47	0.42	0.37	85.9	85.7	0.0002
31160120	FT	27	545	1,055	1.2292	0.0707	1.06	2.12	1.06	1.28	0.40	0.45	67.7	70.9	0.0002
31160130	FT	28	414	1,059	1.7941	0.0728	0.78	-7.30	0.69	-6.76	0.63	0.46	80.8	73.3	0.0002
31160140	FT	29	1310	2,037	1.9872	0.0340	0.96	-1.23	0.93	-0.88	0.62	0.60	64.4	64.7	0.0002
31160200	FT	30	2415	2,077	0.7649	0.0378	0.95	-1.90	0.94	-1.95	0.57	0.53	56.9	58.8	0.0002
31160210	FT	31	341	1,060	2.2079	0.0758	1.19	5.05	1.48	6.71	0.29	0.45	72.5	75.9	0.0002
31160220	FT	32	200	1,054	3.1109	0.0885	1.23	4.30	1.48	4.21	0.23	0.39	79.7	83.3	0.0002
31160240	FT	34	207	1,041	3.0584	0.0884	1.28	5.09	1.80	6.58	0.19	0.41	78.8	82.9	0.0002
31160300	FT	35	618	1,230	1.3118	0.0662	0.88	-4.35	0.81	-4.29	0.57	0.47	76.8	72.1	0.0002
31160320	FT	36	638	1,057	0.6763	0.0716	1.06	2.00	1.05	0.87	0.40	0.44	69.6	71.7	0.0002
31160330	FT	37	442	1,037	1.5993	0.0719	0.92	-2.65	0.87	-2.93	0.52	0.44	74.3	71.7	0.0002
31160340	FT	38	1989	2,039	1.2887	0.0411	0.87	-4.75	0.88	-4.53	0.61	0.51	66.0	63.0	0.0002
31160410	FT	39	311	1,050	2.3607	0.0772	1.05	1.35	1.06	0.98	0.39	0.43	76.5	76.7	0.0002
31160440	FT	40	444	1,225	2.0378	0.0687	1.05	1.64	1.21	3.88	0.39	0.46	75.1	74.3	0.0002
31160450	FT	41	320	1,061	2.3386	0.0759	1.47	9.90	2.14	9.90	-0.01	0.42	65.7	76.0	0.0002
31160460	FT	42	708	1,055	0.2884	0.0736	0.95	-1.60	0.95	-0.77	0.45	0.41	74.7	73.7	0.0002
31160470	FT	43	1236	2,081	2.4152	0.0403	1.16	5.24	1.26	7.02	0.41	0.53	55.9	63.5	0.0003
31160530	FT	44	547	1,060	1.1178	0.0702	0.91	-3.27	0.90	-2.32	0.52	0.44	74.8	70.9	0.0002
31160540	FT	45	865	1,040	-0.8243	0.0894	0.97	-0.65	0.95	-0.34	0.35	0.32	83.5	83.4	0.0002
31160550	FT	46	1299	2,039	2.7318	0.0457	1.09	3.11	1.08	2.84	0.43	0.49	64.3	67.5	0.0004
31160560	FT	47	661	1,057	0.5376	0.0719	0.97	-1.01	0.99	-0.15	0.45	0.43	73.8	72.1	0.0002
31160570	FT	48	911	1,203	-0.1599	0.0745	0.90	-2.89	0.79	-2.74	0.47	0.38	80.3	77.9	0.0002
31160650	FT	49	431	1,053	1.6114	0.0720	0.84	-5.22	0.77	-5.17	0.58	0.45	77.1	72.5	0.0002
31160660	FT	50	470	1,041	1.4124	0.0717	1.01	0.34	1.04	0.90	0.44	0.46	73.0	71.9	0.0002
31160730	FT	51	792	1,052	-0.2173	0.0786	0.88	-3.39	0.76	-2.93	0.47	0.37	80.4	77.1	0.0002
31160740	FT	52	499	1,040	1.2277	0.0713	0.88	-4.23	0.84	-3.58	0.55	0.45	76.2	71.3	0.0002
31160750	FT	53	583	1,035	0.8547	0.0709	0.88	-4.59	0.83	-3.57	0.53	0.43	76.2	70.4	0.0002

Mathematics Grade 8															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31160760	FT	54	623	1,057	0.6709	0.0709	0.98	-0.84	0.92	-1.57	0.46	0.43	72.3	71.2	0.0002
31160770	FT	55	634	1,048	0.5819	0.0715	0.82	-6.55	0.75	-4.69	0.58	0.43	78.4	71.5	0.0002
31160840	FT	56	282	1,103	2.6384	0.0791	0.79	-5.46	0.68	-4.78	0.58	0.43	84.6	79.3	0.0002
31160870	FT	57	443	1,060	1.6202	0.0714	1.23	6.87	1.38	7.25	0.26	0.45	65.5	72.2	0.0002
31160880	FT	58	418	1,057	1.7172	0.0720	1.11	3.45	1.14	2.70	0.37	0.44	68.0	72.8	0.0002
31160970	FT	59	498	1,055	1.3347	0.0711	0.89	-3.77	0.85	-3.24	0.54	0.46	76.4	71.7	0.0002
31160980	FT	60	506	1,053	1.2702	0.0709	1.03	1.05	1.02	0.48	0.43	0.45	69.3	71.4	0.0002
31160990	FT	61	479	1,055	1.4178	0.0709	1.14	4.62	1.22	4.44	0.33	0.45	66.3	71.5	0.0002
31161000	FT	62	268	1,032	2.5658	0.0819	0.93	-1.65	0.84	-2.13	0.50	0.44	81.5	79.5	0.0002
31161010	FT	63	452	1,061	1.5895	0.0718	0.98	-0.76	1.03	0.55	0.47	0.46	73.2	72.6	0.0002
31161020	FT	64	722	1,058	0.2230	0.0740	0.91	-2.75	0.89	-1.51	0.47	0.41	78.6	73.8	0.0002
31161070	FT	65	566	1,206	1.3913	0.0669	1.17	5.68	1.19	4.08	0.34	0.47	65.1	72.1	0.0002
31161080	FT	66	1456	2,109	2.0442	0.0380	0.97	-1.12	1.00	0.03	0.58	0.58	57.0	61.3	0.0002
31161150	FT	67	523	1,055	1.2263	0.0704	1.21	6.96	1.34	6.66	0.28	0.44	62.4	70.8	0.0002
31161160	FT	68	80	1,060	4.3544	0.1259	0.95	-0.57	0.73	-1.45	0.32	0.28	93.1	92.8	0.0002
31161170	FT	69	1712	2,072	1.5592	0.0351	1.25	8.13	1.29	7.38	0.47	0.58	51.7	56.7	0.0002
31161180	FT	70	720	1,047	0.2983	0.0762	0.99	-0.14	0.92	-1.00	0.45	0.44	76.7	75.6	0.0002
31161290	FT	71	401	1,093	2.1651	0.0723	1.04	1.11	1.03	0.57	0.44	0.45	72.5	74.0	0.0002
31161300	FT	72	429	1,129	1.3214	0.0685	0.94	-1.92	0.92	-2.00	0.46	0.40	73.6	71.8	0.0002
31161310	FT	73	306	1,043	2.3199	0.0778	0.97	-0.74	1.08	1.27	0.45	0.44	78.5	76.9	0.0002
31227830	FT	159	847	1,060	-0.5468	0.0830	1.04	0.95	1.26	2.42	0.28	0.33	80.8	80.6	0.0002
31227870	FT	160	1304	2,073	2.3617	0.0413	1.14	4.70	1.16	5.12	0.44	0.52	58.7	63.7	0.0003
31228140	FT	161	652	1,083	0.5606	0.0702	0.90	-3.76	0.88	-2.41	0.50	0.42	76.8	71.2	0.0002
31228440	FT	162	952	1,073	-1.3958	0.1023	0.93	-1.01	1.21	1.33	0.33	0.27	89.0	88.7	0.0002
31228520	FT	163	691	1,068	0.3223	0.0719	1.07	2.22	1.15	2.21	0.35	0.41	70.8	72.3	0.0002
31228630	FT	164	733	1,077	0.1575	0.0725	0.97	-0.91	0.95	-0.76	0.41	0.38	74.8	73.3	0.0002
31228850	FT	165	437	1,144	1.3624	0.0683	1.29	9.04	1.42	8.63	0.15	0.41	62.3	72.0	0.0002
31229000	FT	166	576	1,042	0.7642	0.0705	1.05	1.67	1.01	0.22	0.39	0.43	67.2	70.1	0.0002
31229140	FT	167	362	1,042	1.8590	0.0742	1.12	3.42	1.24	4.17	0.32	0.44	72.1	74.0	0.0002
31229270	FT	168	387	1,041	1.7604	0.0743	0.99	-0.29	1.03	0.63	0.46	0.46	76.1	74.3	0.0002
31229330	FT	169	472	1,073	1.4374	0.0708	0.93	-2.40	0.93	-1.56	0.51	0.46	76.4	72.1	0.0002
31229590	FT	170	320	1,047	2.1617	0.0767	1.13	3.24	1.35	5.03	0.33	0.44	73.7	76.4	0.0002
31229720	FT	171	568	1,042	0.9406	0.0717	0.98	-0.65	1.03	0.61	0.48	0.46	71.7	71.8	0.0002

Mathematics Grade 8															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31229830	FT	172	676	1,053	0.4628	0.0725	0.88	-4.00	0.84	-2.68	0.52	0.42	77.3	72.4	0.0002
31229860	FT	173	263	1,172	2.8969	0.0795	1.20	4.42	1.49	5.05	0.25	0.41	77.5	80.8	0.0002
31229950	FT	174	299	1,133	2.0392	0.0763	1.01	0.37	1.13	2.04	0.39	0.42	80.2	78.8	0.0002

Table J.13. IRT Item-Level Statistics—Science Grade 5

Science Grade 5															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31170080	OP	1	9409	22,251	1.2353	0.0150	1.07	9.90	1.13	9.90	0.29	0.36	67.2	68.8	0.0001
41140860	OP	2	17054	22,251	-0.5678	0.0171	1.02	1.98	1.10	6.17	0.30	0.33	78.5	78.0	-0.0002
41140890	OP	3	9635	22,251	1.1846	0.0149	1.22	9.90	1.33	9.90	0.13	0.37	59.9	68.6	0.0001
41141060	OP	4	13297	22,251	0.3753	0.0150	1.04	6.99	1.04	4.37	0.32	0.37	66.8	69.2	-0.0001
41141070	OP	5	13924	22,251	0.2319	0.0152	1.06	9.23	1.09	8.90	0.31	0.37	68.0	70.1	–
41141090	OP	6	15812	22,251	-0.2272	0.0161	0.87	-9.90	0.79	-9.90	0.49	0.35	78.0	74.2	-0.0001
41141240	OP	7	13866	22,251	0.2455	0.0152	0.98	-3.23	0.97	-3.33	0.39	0.37	70.7	70.0	–
41141300	OP	8	15976	22,251	-0.2700	0.0162	0.91	-9.90	0.84	-9.90	0.45	0.35	77.4	74.6	-0.0001
41141340	OP	9	16831	22,251	-0.5034	0.0169	1.03	4.08	1.11	6.87	0.29	0.33	77.2	77.2	–
41141350	OP	10	15348	22,251	-0.1094	0.0158	0.98	-2.92	0.97	-2.71	0.38	0.35	73.7	73.0	-0.0001
41141440	OP	11	15397	22,251	-0.1217	0.0158	1.06	9.04	1.11	8.69	0.28	0.35	71.3	73.1	-0.0001
41141470	OP	12	14311	22,251	0.1417	0.0153	1.05	8.22	1.10	9.58	0.31	0.36	69.5	70.8	–
41141570	OP	13	18303	22,251	-0.9653	0.0187	0.92	-7.56	0.85	-8.10	0.39	0.30	83.4	82.6	-0.0002
41141630	OP	14	19553	22,251	-1.4667	0.0216	0.95	-3.81	0.87	-5.28	0.33	0.26	88.0	87.9	-0.0001
41141640	OP	15	8156	22,251	1.5223	0.0153	1.18	9.90	1.34	9.90	0.15	0.35	66.3	70.7	0.0001
41141670	OP	16	14982	22,251	-0.0190	0.0156	0.92	-9.90	0.86	-9.90	0.45	0.36	74.9	72.1	-0.0001
41141730	OP	17	17028	22,251	-0.5597	0.0171	0.91	-9.90	0.82	-9.90	0.44	0.33	79.7	77.9	-0.0002
41141750	OP	18	16608	22,251	-0.4407	0.0167	0.91	-9.90	0.81	-9.90	0.45	0.34	78.0	76.5	-0.0001
41141770	OP	19	17997	22,251	-0.8606	0.0182	0.91	-8.87	0.77	-9.90	0.42	0.31	82.3	81.4	-0.0001
41141800	OP	20	17982	22,251	-0.8559	0.0182	0.91	-8.57	0.85	-8.69	0.41	0.31	82.5	81.3	-0.0003
41141820	OP	21	17590	22,251	-0.7297	0.0177	0.95	-5.61	0.91	-5.24	0.38	0.32	80.8	79.9	-0.0002
41141830	OP	22	19325	22,251	-1.3631	0.0209	0.86	-9.90	0.64	-9.90	0.45	0.27	87.2	86.9	-0.0002
41141850	OP	23	16300	22,251	-0.3560	0.0164	1.05	6.49	1.17	9.90	0.28	0.34	75.2	75.6	0.0001
41141870	OP	24	13251	22,251	0.3857	0.0150	1.19	9.90	1.26	9.90	0.18	0.37	61.0	69.1	-0.0001

Science Grade 5															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
41141930	OP	25	17687	22,251	-0.7602	0.0178	0.87	-9.90	0.74	-9.90	0.47	0.32	82.0	80.2	-0.0001
41143660	OP	26	11185	22,251	0.8430	0.0148	1.00	0.24	1.01	1.21	0.36	0.37	68.4	67.8	0.0001
41143690	OP	27	11480	22,251	0.7782	0.0148	1.04	8.00	1.05	5.98	0.32	0.37	65.7	67.8	–
41143720	OP	28	10791	22,251	0.9293	0.0148	1.07	9.90	1.09	9.90	0.30	0.37	65.1	67.8	0.0001
41143750	OP	29	13446	22,251	0.3415	0.0151	1.06	9.22	1.06	6.40	0.31	0.37	66.9	69.4	–
41143850	OP	30	12910	22,251	0.4623	0.0150	1.03	5.54	1.04	4.58	0.34	0.37	67.3	68.7	–
41143990	OP	31	13448	22,251	0.3410	0.0151	1.12	9.90	1.16	9.90	0.25	0.37	64.2	69.4	–
41144190	OP	32	17341	22,251	-0.6529	0.0174	0.95	-6.12	0.87	-8.01	0.39	0.33	79.7	79.0	-0.0001
41144220	OP	33	16422	22,251	-0.3893	0.0165	0.87	-9.90	0.76	-9.90	0.49	0.34	78.4	76.0	–
41144260	OP	34	14538	22,251	0.0881	0.0154	1.08	9.90	1.11	9.73	0.27	0.36	67.8	71.2	–
41144270	OP	35	11565	22,251	0.7597	0.0148	0.85	-9.90	0.82	-9.90	0.52	0.37	76.0	67.8	0.0001
41144290	OP	36	14390	22,251	0.1232	0.0154	1.01	1.84	1.02	1.61	0.35	0.36	70.4	70.9	–
41144300	OP	37	11119	22,251	0.8573	0.0148	1.06	9.90	1.06	8.17	0.31	0.37	65.1	67.8	0.0001
41144310	OP	38	16091	22,251	-0.3005	0.0163	0.87	-9.90	0.77	-9.90	0.50	0.35	78.3	75.0	-0.0002
41144320	OP	39	16631	22,251	-0.4467	0.0167	0.97	-3.49	0.96	-2.69	0.37	0.34	77.8	76.6	-0.0001
41144390	OP	40	9794	22,251	1.1492	0.0149	1.14	9.90	1.22	9.90	0.22	0.37	62.8	68.4	0.0001
41144580	OP	41	15645	22,251	-0.1843	0.0160	0.91	-9.90	0.84	-9.90	0.45	0.35	75.8	73.7	–
41144620	OP	42	16584	22,251	-0.4336	0.0167	1.12	9.90	1.23	9.90	0.20	0.34	74.0	76.5	-0.0001
41144640	OP	43	16653	22,251	-0.4531	0.0167	0.91	-9.90	0.83	-9.90	0.44	0.34	78.5	76.7	-0.0001
41144700	OP	44	13449	22,251	0.3408	0.0151	1.01	2.10	1.00	-0.54	0.35	0.37	68.2	69.4	0.0001
41144750	OP	45	16740	22,251	-0.4774	0.0168	0.95	-5.59	0.87	-8.85	0.39	0.34	77.3	76.9	–
41153630	OP	46	12894	22,251	0.4659	0.0150	1.01	1.54	1.00	0.58	0.36	0.37	68.3	68.7	–
41153640	OP	47	11560	22,251	0.7607	0.0148	0.96	-7.32	0.96	-5.73	0.41	0.37	70.4	67.8	0.0001
41153650	OP	48	15010	22,251	-0.0257	0.0156	0.88	-9.90	0.85	-9.90	0.49	0.36	77.0	72.2	–
41153690	OP	49	17480	22,251	-0.6954	0.0176	1.07	7.80	1.12	6.61	0.24	0.32	78.3	79.5	-0.0002
41155220	OP	50	11961	22,251	0.6727	0.0148	1.04	6.96	1.05	5.95	0.32	0.37	66.4	68.0	0.0001

Table J.14. IRT Item-Level Statistics—Science Grade 8

Science Grade 8															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
31161410	OP	1	18436	23,190	-0.8741	0.0175	1.01	1.35	1.20	9.86	0.30	0.33	80.8	80.2	-0.0001
31161430	OP	2	13438	23,190	0.3648	0.0148	0.86	-9.90	0.81	-9.90	0.53	0.40	75.0	69.2	–
31161950	OP	3	18789	23,190	-0.9849	0.0180	0.91	-9.15	0.81	-9.90	0.42	0.32	82.7	81.5	-0.0003
31162350	OP	4	15910	23,190	-0.1967	0.0155	0.98	-3.62	0.96	-3.63	0.40	0.38	73.9	73.0	-0.0001
31163580	OP	5	18924	23,190	-1.0291	0.0181	0.91	-8.97	0.81	-9.90	0.42	0.32	82.8	82.0	-0.0001
31163950	OP	6	15847	23,190	-0.1818	0.0155	1.02	3.62	1.06	4.85	0.35	0.38	72.9	72.9	0.0001
31171230	OP	7	10853	23,190	0.9202	0.0147	1.14	9.90	1.19	9.90	0.26	0.40	62.6	68.8	–
41139480	OP	8	12279	23,190	0.6146	0.0146	1.06	9.90	1.07	7.97	0.34	0.40	66.1	68.6	–
41139540	OP	9	12881	23,190	0.4854	0.0147	0.93	-9.90	0.92	-9.39	0.46	0.40	72.3	68.8	–
41139630	OP	10	10739	23,190	0.9447	0.0147	1.13	9.90	1.17	9.90	0.28	0.40	63.8	68.8	–
41139680	OP	11	10588	23,190	0.9773	0.0147	1.12	9.90	1.16	9.90	0.30	0.40	64.0	68.9	0.0001
41139710	OP	12	16582	23,190	-0.3623	0.0159	0.94	-8.56	0.89	-8.21	0.43	0.37	76.7	74.6	–
41139720	OP	13	19441	23,190	-1.2070	0.0190	0.98	-1.98	0.98	-0.83	0.32	0.30	84.2	84.0	-0.0004
41139750	OP	14	11046	23,190	0.8786	0.0147	1.06	9.90	1.08	9.90	0.33	0.40	66.5	68.7	–
41139770	OP	15	15977	23,190	-0.2130	0.0156	0.99	-1.08	0.98	-1.46	0.38	0.37	73.5	73.2	0.0001
41139780	OP	16	12244	23,190	0.6223	0.0146	1.18	9.90	1.23	9.90	0.23	0.40	60.8	68.6	–
41139810	OP	17	19452	23,190	-1.2110	0.0190	0.91	-8.11	0.80	-9.20	0.40	0.30	84.5	84.0	–
41139820	OP	18	13684	23,190	0.3111	0.0148	0.97	-4.85	0.94	-6.58	0.42	0.39	70.3	69.5	–
41139840	OP	19	18975	23,190	-1.0460	0.0182	0.96	-4.03	0.98	-0.98	0.35	0.32	83.2	82.2	-0.0002
41139870	OP	20	14276	23,190	0.1803	0.0149	1.01	1.62	0.99	-0.92	0.38	0.39	69.2	70.2	–
41139890	OP	21	13631	23,190	0.3227	0.0148	1.04	6.15	1.05	5.00	0.36	0.39	67.9	69.4	-0.0001
41140220	OP	22	15570	23,190	-0.1157	0.0154	0.92	-9.90	0.86	-9.90	0.46	0.38	74.8	72.3	-0.0001
41140230	OP	23	18042	23,190	-0.7564	0.0171	0.98	-1.98	1.00	0.06	0.36	0.34	79.4	78.8	-0.0001
41140240	OP	24	17346	23,190	-0.5617	0.0164	0.93	-8.63	0.90	-6.81	0.43	0.35	78.4	76.7	-0.0001
41140270	OP	25	19315	23,190	-1.1623	0.0188	1.01	1.14	0.98	-0.67	0.29	0.31	83.5	83.5	-0.0002
41140460	OP	26	18124	23,190	-0.7804	0.0172	0.97	-3.50	0.90	-6.06	0.37	0.34	79.8	79.1	-0.0002
41140490	OP	27	15909	23,190	-0.1964	0.0155	1.04	5.21	1.01	1.15	0.34	0.38	71.1	73.0	-0.0001
41140500	OP	28	13657	23,190	0.3172	0.0148	1.00	0.67	0.99	-1.59	0.39	0.39	68.8	69.4	–
41140510	OP	29	11811	23,190	0.7151	0.0146	0.98	-4.17	0.98	-2.32	0.42	0.40	69.8	68.5	–
41140520	OP	30	12847	23,190	0.4928	0.0147	0.95	-9.22	0.91	-9.90	0.44	0.40	71.0	68.8	–
41140530	OP	31	17249	23,190	-0.5356	0.0164	0.91	-9.90	0.87	-8.64	0.45	0.36	79.2	76.4	-0.0001
41140540	OP	32	14814	23,190	0.0594	0.0151	1.10	9.90	1.14	9.90	0.28	0.39	67.0	70.9	-0.0002

Science Grade 8															
							Infit		Outfit		PTBISERL-EX		Match%		
Item ID	Item Status	Entry	Score	N	Measure	Model SE	MNSQ	ZSTD	MNSQ	ZSTD	Corr.	Exp.	OBS	EXP	Displace Run
41140550	OP	33	12689	23,190	0.5268	0.0147	1.00	-0.52	1.00	-0.25	0.40	0.40	68.9	68.7	–
41140560	OP	34	15409	23,190	-0.0778	0.0153	1.00	-0.54	1.04	3.19	0.38	0.38	72.8	72.0	-0.0001
41142110	OP	35	12785	23,190	0.5063	0.0147	1.08	9.90	1.09	9.90	0.31	0.40	64.9	68.8	–
41142150	OP	36	12010	23,190	0.6723	0.0146	0.95	-9.74	0.94	-7.87	0.44	0.40	71.4	68.6	–
41142180	OP	37	9947	23,190	1.1165	0.0148	1.05	7.84	1.10	9.90	0.33	0.40	68.6	69.5	0.0001
41142230	OP	38	18141	23,190	-0.7856	0.0172	0.91	-9.90	0.82	-9.90	0.44	0.34	80.6	79.2	-0.0001
41142270	OP	39	13919	23,190	0.2596	0.0148	0.97	-4.34	0.93	-7.36	0.42	0.39	70.1	69.7	–
41142320	OP	40	14356	23,190	0.1627	0.0149	1.07	9.90	1.09	8.69	0.32	0.39	67.5	70.3	–
41142460	OP	41	18054	23,190	-0.7602	0.0171	1.14	9.90	1.43	9.90	0.18	0.34	77.0	78.9	-0.0001
41142500	OP	42	15434	23,190	-0.0838	0.0153	0.89	-9.90	0.85	-9.90	0.49	0.38	76.3	72.0	–
41142530	OP	43	15882	23,190	-0.1901	0.0155	0.88	-9.90	0.85	-9.90	0.49	0.38	77.4	73.0	–
41142580	OP	44	9961	23,190	1.1134	0.0148	1.12	9.90	1.20	9.90	0.26	0.40	66.3	69.5	0.0001
41142600	OP	45	14994	23,190	0.0183	0.0151	0.93	-9.90	0.89	-9.90	0.46	0.39	74.0	71.2	-0.0001
41142660	OP	46	11622	23,190	0.7553	0.0146	1.02	4.30	1.03	3.62	0.36	0.40	67.9	68.5	–
41142750	OP	47	19295	23,190	-1.1549	0.0187	0.88	-9.90	0.75	-9.90	0.44	0.31	84.3	83.4	-0.0001
41142770	OP	48	16691	23,190	-0.3901	0.0160	0.91	-9.90	0.83	-9.90	0.46	0.36	77.2	74.9	–
41142840	OP	49	13115	23,190	0.4349	0.0147	0.99	-1.17	0.98	-2.68	0.40	0.40	69.2	69.0	–
41142860	OP	50	17167	23,190	-0.5138	0.0163	1.00	0.03	1.04	2.45	0.35	0.36	76.8	76.1	-0.0001
41143040	OP	51	8850	23,190	1.3604	0.0151	1.17	9.90	1.30	9.90	0.23	0.39	65.2	70.9	0.0001
41143050	OP	52	16201	23,190	-0.2676	0.0157	0.99	-0.75	1.02	1.67	0.38	0.37	74.5	73.7	-0.0002
41143070	OP	53	15021	23,190	0.0120	0.0152	0.94	-9.76	0.91	-8.24	0.45	0.39	73.7	71.3	–
41143080	OP	54	13033	23,190	0.4527	0.0147	1.05	9.15	1.07	7.46	0.35	0.40	66.6	68.9	–
41143120	OP	55	12146	23,190	0.6432	0.0146	1.14	9.90	1.19	9.90	0.26	0.40	63.1	68.6	0.0001
41143140	OP	56	13349	23,190	0.3844	0.0147	1.05	9.50	1.10	9.90	0.34	0.40	67.9	69.2	–
41143360	OP	57	16137	23,190	-0.2519	0.0156	0.88	-9.90	0.80	-9.90	0.49	0.37	76.8	73.5	-0.0001
41143450	OP	58	15674	23,190	-0.1401	0.0154	0.92	-9.90	0.85	-9.90	0.46	0.38	74.8	72.5	-0.0001
41151880	OP	59	15210	23,190	-0.0316	0.0152	0.98	-2.68	0.99	-1.11	0.40	0.38	72.7	71.6	–
41153680	OP	60	17354	23,190	-0.5637	0.0164	0.94	-7.22	0.96	-2.54	0.41	0.35	78.9	76.7	-0.0001

Appendix K: Science Pre- and Post-Equating Results

Table K.1. Science Pre- and Post-Equating Item Parameter Estimates

	Grade 5			Grade 8		
Item	Pre	Post	Z	Pre	Post	Z
1	-0.29	0.46	0.19	-1.23	-0.56	0.17
2	-0.67	0.25	-0.54	0.26	0.72	1.14
3	-1.07	-0.03	-1.10	-0.40	0.32	-0.03
4	-0.25	0.38	0.75	-0.13	0.53	0.21
5	-0.62	0.34	-0.75	-0.49	0.06	0.72
6	-0.89	-0.23	0.57	-0.32	0.49	-0.44
7	-1.01	0.23	-1.98	-1.39	-0.54	-0.65
8	-0.13	0.34	1.44	0.05	0.38	1.68
9	-0.09	-0.02	3.21	-1.08	-0.78	1.83
10	0.09	0.78	0.49	0.09	0.64	0.70
11	0.05	1.18	-1.52	-0.63	-0.20	1.22
12	-0.25	0.93	-1.71	0.29	1.36	-1.63
13	0.18	0.84	0.60	-1.01	0.01	-1.41
14	-0.85	-0.57	2.27	-0.07	0.61	0.10
15	-0.66	0.14	-0.04	-1.12	-0.14	-1.23
16	-1.43	-0.30	-1.50	-0.88	-0.08	-0.41
17	-1.28	-0.45	-0.18	-1.35	-0.87	1.03
18	0.08	0.76	0.51	-0.67	-0.25	1.28
19	-1.36	-0.12	-1.99	-1.20	-0.56	0.31
20	0.08	0.86	0.06	-1.61	-0.76	-0.61
21	-1.29	-0.50	0.05	-1.18	-0.18	-1.31
22	-0.98	-0.27	0.39	-2.03	-1.03	-1.29
23	0.59	0.76	2.79	-0.82	-0.12	0.01
24	0.03	0.47	1.61	-1.53	-0.76	-0.28
25	-0.76	0.12	-0.37	0.23	0.92	0.06
26	-0.93	-0.11	-0.10	-0.06	1.11	-2.09
27	-0.91	0.09	-0.91	-0.76	-0.08	0.14
28	0.61	1.52	-0.53	-1.74	-1.16	0.61
29	-0.05	0.67	0.34	-0.45	0.26	-0.02
30	-1.98	-0.97	-0.95	-0.06	0.49	0.72
31	-2.15	-1.47	0.52	0.53	1.12	0.54
32	-1.77	-0.86	-0.49	0.31	0.98	0.17
33	-1.29	-0.44	-0.25	-0.43	0.16	0.52
34	-0.99	-0.39	0.85	-1.22	-0.36	-0.65
35	-1.72	-0.65	-1.19	-0.12	0.94	-1.59
36	-1.43	-0.56	-0.34	-1.53	-0.79	-0.14
37	-0.97	-0.18	0.04	-0.31	0.18	0.98
38	-1.78	-0.70	-1.30	-0.59	-0.19	1.36
39	0.56	1.15	0.92	-0.18	0.32	0.91
40	-1.39	-0.48	-0.54	-0.70	0.02	-0.05

	Grade 5			Grade 8		
Item	**Pre**	**Post**	**Z**	**Pre**	**Post**	**Z**
41	0.20	1.24	-1.07	0.03	0.76	-0.09
42	-1.44	-0.76	0.50	-1.98	-1.05	-0.99
43	-1.97	-1.36	0.82	-0.81	-0.20	0.43
44	-1.04	-0.43	0.82	-2.14	-1.21	-1.01
45	-0.51	0.39	-0.43	0.39	0.88	0.97
46	-1.17	-0.36	-0.09	-1.04	-0.27	-0.31
47	-1.53	-0.45	-1.24	-0.92	-0.21	-0.01
48	-0.01	0.34	2.00	-0.32	0.43	-0.20
49	-1.60	-0.86	0.22	0.07	0.67	0.47
50	-1.00	-0.73	2.31	-1.75	-1.21	0.78
51	–	–	–	-0.08	0.31	1.41
52	–	–	–	-0.38	0.51	-0.80
53	–	–	–	0.09	0.45	1.55
54	–	–	–	-0.17	0.62	-0.39
55	–	–	–	-0.61	0.36	-1.17
56	–	–	–	-1.67	-1.15	0.88
57	–	–	–	-1.41	-0.39	-1.37
58	–	–	–	-1.91	-0.98	-0.97
59	–	–	–	-1.31	-0.51	-0.39
60	–	–	–	-0.74	-0.03	-0.02
Mean	-0.78	–	–	-0.70	–	–
Corr	–	0.93	–	–	0.96	–
SD	0.73	0.69	–	0.70	0.67	–
Ratio	–	1.06	–	–	1.04	–

Table K.2. Science Pre- and Post-Equating Scoring Table—Grade 5

Raw Score	Measure (pre)	SE (pre)	SS (pre)	SS_CSEM (pre)	AL (pre)	Measure (post)	SE (post)	SS (post)	SS_CSEM (post)	PL (post)	SS Diff (Pre – Post)	AL Diff	Count	Pct	Cum. Count	Cum. Pct	Percentile
0	-6.13	1.83	2	59	3	-6.16	1.83	2	59	3	–	–	–	–	0	0.0	0
1	-4.91	1.01	2	33	3	-4.93	1.01	2	33	3	–	–	–	–	0	0.0	0
2	-4.18	0.73	2	23	3	-4.21	0.73	2	23	3	–	–	–	–	0	0.0	0
3	-3.75	0.60	2	19	3	-3.78	0.60	2	19	3	–	–	–	–	0	0.0	0
4	-3.43	0.53	2	17	3	-3.46	0.53	2	17	3	–	–	–	–	0	0.0	0
5	-3.18	0.48	2	15	3	-3.20	0.48	2	15	3	–	–	2	–	2	0.0	1
6	-2.96	0.45	5	14	3	-2.99	0.45	4	14	3	1	–	3	–	5	0.0	1
7	-2.77	0.42	11	13	3	-2.80	0.42	10	13	3	1	–	6	–	11	0.0	1
8	-2.61	0.40	17	13	3	-2.64	0.40	16	13	3	1	–	10	–	21	0.1	1
9	-2.46	0.38	21	12	3	-2.49	0.38	20	12	3	1	–	31	0.1	52	0.2	1
10	-2.32	0.37	26	12	3	-2.35	0.37	25	12	3	1	–	41	0.2	93	0.4	1
11	-2.19	0.36	30	11	3	-2.22	0.35	29	11	3	1	–	72	0.3	165	0.7	1
12	-2.07	0.35	34	11	3	-2.10	0.34	33	11	3	1	–	98	0.4	263	1.2	1
13	-1.95	0.34	38	11	3	-1.98	0.34	37	11	3	1	–	158	0.7	421	1.9	2
14	-1.84	0.33	41	11	3	-1.87	0.33	40	11	3	1	–	195	0.9	616	2.8	2
15	-1.73	0.32	45	10	3	-1.77	0.32	44	10	3	1	–	195	0.9	811	3.6	3
16	-1.63	0.32	48	10	3	-1.66	0.32	47	10	3	1	–	280	1.3	1091	4.9	4
17	-1.53	0.31	51	10	3	-1.56	0.31	50	10	3	1	–	296	1.3	1387	6.2	6
18	-1.43	0.31	55	10	3	-1.47	0.31	53	10	3	2	–	332	1.5	1719	7.7	7
19	-1.33	0.31	58	10	3	-1.37	0.31	56	10	3	2	–	345	1.6	2064	9.3	9
20	-1.24	0.31	61	10	3	-1.28	0.30	59	10	3	2	–	370	1.7	2434	10.9	10
21	-1.15	0.30	64	10	3	-1.19	0.30	62	10	3	2	–	439	2.0	2873	12.9	12
22	-1.06	0.30	67	10	3	-1.09	0.30	65	10	3	2	–	428	1.9	3301	14.8	14
23	-0.97	0.30	69	10	3	-1.00	0.30	68	10	3	1	–	501	2.3	3802	17.1	16
24	-0.88	0.30	72	10	3	-0.91	0.30	71	10	3	1	–	561	2.5	4363	19.6	18
25	-0.79	0.30	75	10	3	-0.82	0.30	74	10	3	1	–	516	2.3	4879	21.9	21
26	-0.70	0.30	78	10	3	-0.74	0.30	77	10	3	1	–	584	2.6	5463	24.6	23
27	-0.61	0.30	81	10	3	-0.65	0.30	80	10	3	1	–	602	2.7	6065	27.3	26
28	-0.51	0.30	84	10	3	-0.55	0.30	83	10	3	1	–	654	2.9	6719	30.2	29

Raw Score	Measure (pre)	SE (pre)	SS (pre)	SS_CSEM (pre)	AL (pre)	Measure (post)	SE (post)	SS (post)	SS_CSEM (post)	PL (post)	SS Diff (Pre – Post)	AL Diff	Count	Pct	Cum. Count	Cum. Pct	Percentile
29	-0.42	0.30	87	10	2	-0.46	0.30	86	10	2	1	–	671	3.0	7390	33.2	32
30	-0.33	0.31	90	10	2	-0.37	0.31	89	10	2	1	–	706	3.2	8096	36.4	35
31	-0.24	0.31	93	10	2	-0.28	0.31	92	10	2	1	–	738	3.3	8834	39.7	38
32	-0.14	0.31	96	10	2	-0.18	0.31	95	10	2	1	–	826	3.7	9660	43.4	42
33	-0.04	0.32	99	10	2	-0.08	0.31	98	10	2	1	–	881	4.0	10541	47.4	45
34	0.06	0.32	102	10	2	0.02	0.32	101	10	2	1	–	889	4.0	11430	51.4	49
35	0.16	0.33	106	10	2	0.12	0.32	104	10	2	2	–	904	4.1	12334	55.4	53
36	0.27	0.33	109	11	2	0.23	0.33	108	11	2	1	–	902	4.1	13236	59.5	57
37	0.38	0.34	113	11	2	0.34	0.34	111	11	2	2	–	921	4.1	14157	63.6	62
38	0.50	0.35	117	11	2	0.46	0.35	115	11	2	2	–	937	4.2	15094	67.8	66
39	0.62	0.36	121	11	2	0.58	0.36	119	11	2	2	–	939	4.2	16033	72.1	70
40	0.76	0.37	125	12	2	0.71	0.37	123	12	2	2	–	938	4.2	16971	76.3	74
41	0.90	0.38	129	12	2	0.85	0.38	128	12	2	1	–	932	4.2	17903	80.5	78
42	1.05	0.40	134	13	2	1.00	0.40	133	13	2	1	–	905	4.1	18808	84.5	82
43	1.22	0.42	140	14	1	1.17	0.42	138	14	1	2	–	832	3.7	19640	88.3	86
44	1.41	0.45	146	14	1	1.36	0.45	144	14	1	2	–	740	3.3	20380	91.6	90
45	1.62	0.48	153	16	1	1.57	0.48	151	16	1	2	–	602	2.7	20982	94.3	93
46	1.88	0.53	161	17	1	1.83	0.53	159	17	1	2	–	505	2.3	21487	96.6	95
47	2.20	0.60	171	19	1	2.15	0.60	170	19	1	1	–	394	1.8	21881	98.3	97
48	2.64	0.73	185	23	1	2.58	0.73	184	23	1	1	–	233	1.0	22114	99.4	99
49	3.36	1.02	200	33	1	3.31	1.02	200	33	1	–	–	96	0.4	22210	99.8	99
50	4.59	1.83	200	59	1	4.53	1.83	200	59	1	–	–	41	0.2	22251	100.0	99

Table K.3. Science Pre-Equated Scoring Table—Grade 8

Raw Score	Measure (pre)	SE (pre)	SS (pre)	SS_CSEM (pre)	AL (pre)	Count	Pct	Cum. Count	Cum. Pct	Percentile
0	-6.24	1.83	2	61	3	–	–	0	0.0	0
1	-5.01	1.01	2	34	3	–	–	0	0.0	0
2	-4.30	0.73	2	24	3	–	–	0	0.0	0
3	-3.86	0.60	2	20	3	–	–	0	0.0	0
4	-3.55	0.53	2	18	3	–	–	0	0.0	0
5	-3.30	0.48	2	16	3	–	–	0	0.0	0
6	-3.09	0.44	2	15	3	1	–	1	0.0	1
7	-2.91	0.41	2	14	3	2	–	3	0.0	1
8	-2.75	0.39	8	13	3	5	–	8	0.0	1
9	-2.60	0.37	13	13	3	11	–	19	0.1	1
10	-2.47	0.36	17	12	3	16	0.1	35	0.2	1
11	-2.34	0.35	21	12	3	28	0.1	63	0.3	1
12	-2.23	0.34	25	11	3	58	0.3	121	0.5	1
13	-2.12	0.33	29	11	3	88	0.4	209	0.9	1
14	-2.01	0.32	32	11	3	113	0.5	322	1.4	1
15	-1.92	0.31	36	10	3	172	0.7	494	2.1	2
16	-1.82	0.31	39	10	3	218	0.9	712	3.1	3
17	-1.73	0.30	42	10	3	230	1.0	942	4.1	4
18	-1.64	0.30	45	10	3	243	1.0	1185	5.1	5
19	-1.55	0.29	48	10	3	272	1.2	1457	6.3	6
20	-1.47	0.29	51	10	3	345	1.5	1802	7.8	7
21	-1.39	0.29	53	10	3	359	1.5	2161	9.3	9
22	-1.31	0.28	56	9	3	380	1.6	2541	11.0	10
23	-1.23	0.28	59	9	3	407	1.8	2948	12.7	12
24	-1.15	0.28	61	9	3	367	1.6	3315	14.3	14
25	-1.07	0.28	64	9	3	412	1.8	3727	16.1	15
26	-1.00	0.28	66	9	3	385	1.7	4112	17.7	17
27	-0.92	0.27	69	9	3	416	1.8	4528	19.5	19
28	-0.85	0.27	71	9	3	485	2.1	5013	21.6	21
29	-0.77	0.27	74	9	3	465	2.0	5478	23.6	23

Raw Score	Measure (pre)	SE (pre)	SS (pre)	SS_CSEM (pre)	AL (pre)	Count	Pct	Cum. Count	Cum. Pct	Percentile
30	-0.70	0.27	76	9	3	525	2.3	6003	25.9	25
31	-0.62	0.27	79	9	3	556	2.4	6559	28.3	27
32	-0.55	0.27	81	9	3	549	2.4	7108	30.7	29
33	-0.47	0.27	84	9	3	569	2.5	7677	33.1	32
34	-0.40	0.27	86	9	2	595	2.6	8272	35.7	34
35	-0.32	0.28	89	9	2	599	2.6	8871	38.3	37
36	-0.25	0.28	91	9	2	646	2.8	9517	41.0	40
37	-0.17	0.28	94	9	2	619	2.7	10136	43.7	42
38	-0.09	0.28	97	9	2	679	2.9	10815	46.6	45
39	-0.01	0.28	99	10	2	621	2.7	11436	49.3	48
40	0.07	0.29	102	10	2	700	3.0	12136	52.3	51
41	0.15	0.29	105	10	2	705	3.0	12841	55.4	54
42	0.24	0.29	108	10	2	758	3.3	13599	58.6	57
43	0.33	0.30	111	10	2	734	3.2	14333	61.8	60
44	0.42	0.30	114	10	2	745	3.2	15078	65.0	63
45	0.51	0.31	117	10	2	721	3.1	15799	68.1	67
46	0.61	0.32	120	11	2	761	3.3	16560	71.4	70
47	0.71	0.32	124	11	2	717	3.1	17277	74.5	73
48	0.82	0.33	127	11	2	706	3.0	17983	77.5	76
49	0.94	0.34	131	12	2	705	3.0	18688	80.6	79
50	1.06	0.36	135	12	1	649	2.8	19337	83.4	82
51	1.19	0.37	140	12	1	668	2.9	20005	86.3	85
52	1.33	0.39	144	13	1	578	2.5	20583	88.8	88
53	1.49	0.41	150	14	1	579	2.5	21162	91.3	90
54	1.67	0.44	156	15	1	534	2.3	21696	93.6	92
55	1.88	0.47	163	16	1	435	1.9	22131	95.4	94
56	2.13	0.52	171	18	1	397	1.7	22528	97.1	96
57	2.44	0.60	182	20	1	261	1.1	22789	98.3	98
58	2.87	0.72	196	24	1	230	1.0	23019	99.3	99
59	3.59	1.01	200	34	1	125	0.5	23144	99.8	99
60	4.81	1.83	200	61	1	46	0.2	23190	100.0	99

Appendix L: Achievement Level Distributions & Scale Score Descriptive Statistics by Demographics

Table L.1. Achievement Level Distributions & Scale Score Descriptive Statistics by Demographics—ELA

ELA									
				SS Descriptive Statistics		Percent of Students in Each Achievement Level**			
Grade	Demographic Sub-Group*		N	Mean	SD	Level 3	Level 2	Level 1	L2 + L1
3	**Grade 3 Overall**		**23,769**	**2481.31**	**76.47**	**46.6**	**37.4**	**16.0**	**53.4**
	Gender	Female	11,592	2489.16	76.18	41.8	40.0	18.1	58.2
		Male	12,177	2473.83	76.01	51.2	34.9	13.9	48.8
	Ethnicity	AI/AN	287	2434.31	77.10	70.7	22.0	7.3	29.3
		Asian	643	2485.10	85.62	44.6	35.3	20.1	55.4
		Black	1,564	2435.76	70.74	71.4	23.5	5.1	28.6
		Hispanic	4,596	2452.28	67.53	63.6	30.5	5.9	36.4
		NH/PI	33	2458.61	80.18	60.6	33.3	6.1	39.4
		White	15,327	2496.28	74.18	38.2	41.4	20.4	61.8
		2 or more Races	1,023	2476.17	76.20	48.8	37.7	13.5	51.2
	FRL	Yes	11,591	2453.41	70.48	62.2	30.6	7.2	37.8
		No	12,057	2508.53	72.02	31.5	44.0	24.5	68.5
	LEP	Yes	3,750	2444.77	67.56	67.8	27.4	4.7	32.2
		No	19,898	2488.44	76.00	42.5	39.3	18.1	57.5
	SPED	Yes	3,921	2431.42	71.70	74.7	19.9	5.4	25.3
		No	19,727	2491.47	73.35	41.0	40.9	18.1	59.0
4	**Grade 4 Overall**		**23,784**	**2511.55**	**72.00**	**43.4**	**40.5**	**16.1**	**56.6**
	Gender	Female	11,533	2517.35	70.93	39.8	42.4	17.8	60.2
		Male	12,251	2506.09	72.57	46.7	38.7	14.6	53.3
	Ethnicity	AI/AN	281	2462.43	65.89	74.4	22.1	3.6	25.6
		Asian	664	2519.31	81.75	39.5	36.7	23.8	60.5
		Black	1,644	2468.65	68.05	68.7	26.2	5.0	31.3
		Hispanic	4,506	2485.10	65.83	58.9	34.3	6.8	41.1
		NH/PI	33	2504.85	68.99	45.5	45.5	9.1	54.5
		White	15,395	2525.46	68.97	35.3	44.4	20.3	64.7
		2 or more Races	989	2508.12	72.48	44.3	42.7	13.0	55.7
	FRL	Yes	11,457	2486.03	67.26	58.3	34.3	7.4	41.7
		No	12,211	2535.95	67.64	29.2	46.5	24.4	70.8
	LEP	Yes	3,765	2478.58	66.47	62.9	31.0	6.1	37.1
		No	19,903	2518.07	71.19	39.6	42.4	18.1	60.4
	SPED	Yes	3,872	2458.60	67.95	75.4	19.7	4.9	24.6
		No	19,796	2522.19	67.97	37.0	44.7	18.4	63.0

ELA									
				SS Descriptive Statistics		Percent of Students in Each Achievement Level**			
Grade	Demographic Sub-Group*		N	Mean	SD	Level 3	Level 2	Level 1	L2 + L1
5	**Grade 5 Overall**		**22,199**	**2531.33**	**66.90**	**48.5**	**35.4**	**16.1**	**51.5**
	Gender	Female	10,737	2537.04	65.52	44.9	37.4	17.6	55.1
		Male	11,462	2525.98	67.74	51.9	33.4	14.7	48.1
	Ethnicity	AI/AN	289	2494.81	62.20	69.9	24.9	5.2	30.1
		Asian	588	2538.37	77.61	42.3	33.8	23.8	57.7
		Black	1,488	2489.41	63.25	74.1	20.6	5.4	25.9
		Hispanic	4,164	2507.97	60.11	64.2	29.0	6.8	35.8
		NH/PI	39	2515.28	73.88	59.0	28.2	12.8	41.0
		White	14,513	2543.77	64.70	40.6	39.3	20.1	59.4
		2 or more Races	892	2526.30	65.38	51.5	34.9	13.7	48.5
	FRL	Yes	10,399	2506.82	62.20	64.4	28.2	7.4	35.6
		No	11,699	2553.57	62.99	34.2	41.8	24.0	65.8
	LEP	Yes	3,209	2500.13	61.21	68.7	25.5	5.8	31.3
		No	18,889	2536.91	66.27	45.0	37.1	17.9	55.0
	SPED	Yes	3,402	2479.21	60.69	80.7	15.0	4.3	19.3
		No	18,696	2541.10	63.39	42.5	39.1	18.3	57.5
6	**Grade 6 Overall**		**23,234**	**2538.44**	**66.74**	**52.4**	**30.4**	**17.2**	**47.6**
	Gender	Female	11,373	2542.75	64.85	49.9	32.1	18.0	50.1
		Male	11,861	2534.30	68.25	54.7	28.8	16.5	45.3
	Ethnicity	AI/AN	289	2494.51	60.33	81.3	14.2	4.5	18.7
		Asian	626	2548.15	75.09	45.7	29.9	24.4	54.3
		Black	1,597	2496.15	63.05	76.1	18.5	5.3	23.9
		Hispanic	4,379	2513.25	58.97	68.9	24.2	6.9	31.1
		NH/PI	31	2526.00	60.65	61.3	29.0	9.7	38.7
		White	15,213	2551.43	64.32	44.4	34.0	21.6	55.6
		2 or more Races	871	2534.90	67.33	54.3	29.4	16.3	45.7
	FRL	Yes	10,962	2513.36	61.91	68.0	24.3	7.7	32.0
		No	12,176	2561.47	62.36	38.1	36.0	25.9	61.9
	LEP	Yes	3,722	2508.41	61.87	70.8	22.7	6.5	29.2
		No	19,416	2544.48	65.93	48.7	32.0	19.3	51.3
	SPED	Yes	3,502	2483.92	58.67	85.3	10.8	4.0	14.7
		No	19,636	2548.44	63.14	46.4	34.0	19.6	53.6

ELA									
				SS Descriptive Statistics		Percent of Students in Each Achievement Level**			
Grade	Demographic Sub-Group*		N	Mean	SD	Level 3	Level 2	Level 1	L2 + L1
7	**Grade 7 Overall**		**22,876**	**2550.43**	**73.89**	**52.4**	**32.7**	**14.9**	**47.6**
	Gender	Female	11,107	2559.21	72.42	47.4	35.4	17.1	52.6
		Male	11,769	2542.14	74.30	57.1	30.2	12.8	42.9
	Ethnicity	AI/AN	266	2505.59	68.21	77.1	17.7	5.3	22.9
		Asian	602	2563.95	79.20	44.5	35.0	20.4	55.5
		Black	1,532	2504.06	68.65	77.3	17.7	5.0	22.7
		Hispanic	4,159	2522.71	66.92	68.5	24.8	6.7	31.5
		NH/PI	43	2549.16	67.21	55.8	30.2	14.0	44.2
		White	15,198	2564.18	71.26	44.6	37.0	18.4	55.4
		2 or more Races	845	2541.17	75.25	59.5	28.8	11.7	40.5
	FRL	Yes	10,541	2520.72	67.34	69.6	24.2	6.2	30.4
		No	12,239	2576.40	69.28	37.4	40.2	22.5	62.6
	LEP	Yes	3,473	2517.12	68.79	70.7	22.9	6.3	29.3
		No	19,307	2556.66	73.06	49.0	34.6	16.5	51.0
	SPED	Yes	3,317	2484.36	59.89	88.4	9.0	2.7	11.6
		No	19,463	2561.93	69.92	46.1	36.9	17.0	53.9
8	**Grade 8 Overall**		**23,168**	**2560.86**	**66.32**	**48.9**	**37.2**	**14.0**	**51.1**
	Gender	Female	11,296	2570.26	63.80	42.7	41.1	16.2	57.3
		Male	11,872	2551.91	67.42	54.7	33.4	11.9	45.3
	Ethnicity	AI/AN	273	2514.94	62.47	79.5	17.2	3.3	20.5
		Asian	630	2568.47	72.65	44.4	34.0	21.6	55.6
		Black	1,429	2514.95	63.05	76.0	20.7	3.3	24.0
		Hispanic	4,194	2536.24	60.35	64.4	30.4	5.2	35.6
		NH/PI	29	2571.14	73.16	41.4	31.0	27.6	58.6
		White	15,582	2573.32	63.24	41.3	41.3	17.4	58.7
		2 or more Races	784	2556.36	66.39	51.1	36.2	12.6	48.9
	FRL	Yes	10,264	2534.78	62.26	65.3	29.2	5.6	34.7
		No	12,818	2582.10	61.66	35.5	43.7	20.7	64.5
	LEP	Yes	3,494	2529.66	61.95	67.9	27.0	5.1	32.1
		No	19,588	2566.66	65.41	45.3	39.1	15.6	54.7
	SPED	Yes	3,176	2498.37	57.88	86.9	10.8	2.3	13.1
		No	19,906	2571.06	61.86	42.7	41.5	15.9	57.3

*AI/AN = American Indian or Alaska Native. NH/PI = Native Hawaiian or Other Pacific Islander. FRL = free and reduced lunch. LEP = limited English proficient. SPED = special education.
**Level 3 = Developing. Level 2 = On Track. Level 3 = CCR Benchmark.

Table L.2. Achievement Level Distributions & Scale Score Descriptive Statistics by Demographics—Mathematics

Mathematics									
				SS Descriptive Statistics		Percent of Students in Each Achievement Level**			
Grade	Demographic Sub-Group*		N	Mean	SD	Level 3	Level 2	Level 1	L2 + L1
3	**Grade 3 Overall**		**23,742**	**1192.16**	**71.15**	**50.1**	**39.6**	**10.3**	**49.9**
	Gender	Female	11,583	1189.64	68.85	51.5	39.6	9.0	48.5
		Male	12,159	1194.55	73.20	48.8	39.6	11.6	51.2
	Ethnicity	AI/AN	285	1149.34	65.74	75.1	20.7	4.2	24.9
		Asian	645	1202.96	83.45	46.7	35.7	17.7	53.3
		Black	1,563	1145.28	65.01	76.8	20.6	2.6	23.2
		Hispanic	4,589	1163.67	60.93	68.7	28.3	3.0	31.3
		NH/PI	33	1181.91	69.03	48.5	45.5	6.1	51.5
		White	15,343	1207.04	68.97	40.9	45.7	13.5	59.1
		2 or more Races	1,024	1181.25	68.51	55.2	38.4	6.4	44.8
	FRL	Yes	11,566	1165.71	64.65	66.0	30.0	4.0	34.0
		No	12,058	1217.92	67.54	34.6	49.0	16.5	65.4
	LEP	Yes	3,728	1157.52	63.33	72.2	24.8	3.1	27.8
		No	19,896	1198.89	70.58	45.8	42.5	11.7	54.2
	SPED	Yes	3,921	1144.45	71.09	75.3	20.7	4.1	24.7
		No	19,703	1201.89	67.14	44.9	43.5	11.6	55.1
4	**Grade 4 Overall**		**23,738**	**1226.96**	**66.98**	**50.2**	**39.4**	**10.4**	**49.8**
	Gender	Female	11,523	1224.33	64.11	51.6	39.5	8.9	48.4
		Male	12,215	1229.45	69.49	48.8	39.3	11.9	51.2
	Ethnicity	AI/AN	281	1178.04	54.88	80.1	17.8	2.1	19.9
		Asian	664	1246.59	78.65	42.0	37.8	20.2	58.0
		Black	1,644	1183.05	55.68	78.9	18.8	2.3	21.1
		Hispanic	4,478	1201.03	57.77	66.6	29.5	3.9	33.4
		NH/PI	34	1221.38	63.12	52.9	41.2	5.9	47.1
		White	15,407	1240.35	65.51	41.6	45.2	13.2	58.4
		2 or more Races	991	1219.36	64.52	53.6	38.0	8.4	46.4
	FRL	Yes	11,420	1202.54	59.28	65.7	29.9	4.4	34.3
		No	12,205	1250.14	65.54	35.5	48.4	16.1	64.5
	LEP	Yes	3,735	1198.70	60.02	68.5	27.3	4.2	31.5
		No	19,890	1232.47	66.85	46.6	41.8	11.6	53.4
	SPED	Yes	3,873	1181.20	57.82	79.3	17.8	2.9	20.7
		No	19,752	1236.14	64.90	44.3	43.7	11.9	55.7

Mathematics									
				SS Descriptive Statistics		Percent of Students in Each Achievement Level**			
Grade	Demographic Sub-Group*		N	Mean	SD	Level 3	Level 2	Level 1	L2 + L1
5	**Grade 5 Overall**		**22,161**	**1241.53**	**66.20**	**49.4**	**41.1**	**9.5**	**50.6**
	Gender	Female	10,716	1240.90	64.02	49.7	41.7	8.6	50.3
		Male	11,445	1242.12	68.18	49.1	40.6	10.3	50.9
	Ethnicity	AI/AN	288	1203.82	59.33	73.6	23.3	3.1	26.4
		Asian	588	1262.03	79.84	38.1	43.4	18.5	61.9
		Black	1,493	1194.96	55.42	78.4	20.3	1.3	21.6
		Hispanic	4,143	1219.98	56.45	64.0	32.2	3.8	36.0
		NH/PI	39	1238.90	71.37	46.2	46.2	7.7	53.8
		White	14,523	1253.60	65.17	41.5	46.5	11.9	58.5
		2 or more Races	894	1232.45	64.02	54.6	38.3	7.2	45.4
	FRL	Yes	10,373	1217.84	58.43	64.8	31.4	3.8	35.2
		No	11,693	1263.00	65.34	35.4	50.1	14.6	64.6
	LEP	Yes	3,180	1216.54	59.95	65.8	30.1	4.2	34.2
		No	18,886	1246.02	66.19	46.4	43.2	10.4	53.6
	SPED	Yes	3,403	1193.26	56.30	80.4	17.5	2.1	19.6
		No	18,663	1250.61	63.93	43.5	45.6	10.9	56.5
6	**Grade 6 Overall**		**23,192**	**1253.83**	**72.37**	**45.1**	**44.6**	**10.3**	**54.9**
	Gender	Female	11,350	1254.80	70.60	44.6	45.3	10.1	55.4
		Male	11,842	1252.91	74.02	45.6	43.9	10.5	54.4
	Ethnicity	AI/AN	289	1201.63	65.51	75.1	22.8	2.1	24.9
		Asian	626	1276.12	86.24	35.9	42.8	21.2	64.1
		Black	1,596	1202.90	67.96	73.2	24.1	2.8	26.8
		Hispanic	4,357	1227.91	63.17	60.8	35.5	3.6	39.2
		NH/PI	32	1233.09	71.33	71.9	18.8	9.4	28.1
		White	15,213	1267.84	69.36	36.8	50.3	12.9	63.2
		2 or more Races	872	1245.47	72.50	50.8	40.4	8.8	49.2
	FRL	Yes	10,926	1226.35	66.10	61.2	35.0	3.9	38.8
		No	12,172	1278.99	68.38	30.5	53.4	16.1	69.5
	LEP	Yes	3,692	1227.01	68.72	61.7	33.3	5.0	38.3
		No	19,406	1259.24	71.77	41.8	46.8	11.4	58.2
	SPED	Yes	3,496	1194.39	62.88	79.7	18.5	1.8	20.3
		No	19,602	1264.74	68.54	38.8	49.3	11.9	61.2

Mathematics									
				SS Descriptive Statistics		Percent of Students in Each Achievement Level**			
Grade	Demographic Sub-Group*		N	Mean	SD	Level 3	Level 2	Level 1	L2 + L1
7	**Grade 7 Overall**		**22,813**	**1254.67**	**67.43**	**50.5**	**39.3**	**10.2**	**49.5**
	Gender	Female	11,082	1254.48	65.06	50.2	40.3	9.4	49.8
		Male	11,731	1254.84	69.59	50.8	38.2	11.0	49.2
	Ethnicity	AI/AN	266	1211.57	53.12	79.7	18.8	1.5	20.3
		Asian	601	1276.41	82.83	39.9	39.6	20.5	60.1
		Black	1,529	1207.11	53.96	81.6	16.4	2.0	18.4
		Hispanic	4,127	1229.39	57.41	68.5	27.1	4.4	31.5
		NH/PI	43	1261.37	62.25	46.5	44.2	9.3	53.5
		White	15,192	1267.53	66.07	41.6	45.8	12.7	58.4
		2 or more Races	845	1241.55	65.57	59.4	33.4	7.2	40.6
	FRL	Yes	10,490	1227.36	57.38	68.6	27.7	3.7	31.4
		No	12,228	1278.36	66.43	34.9	49.2	15.9	65.1
	LEP	Yes	3,433	1228.27	61.90	69.2	25.8	5.0	30.8
		No	19,285	1259.54	67.24	47.1	41.7	11.2	52.9
	SPED	Yes	3,308	1201.30	50.40	85.1	13.3	1.6	14.9
		No	19,410	1263.93	65.67	44.5	43.8	11.7	55.5
8	**Grade 8 Overall**		**23,103**	**1270.67**	**71.41**	**49.4**	**41.1**	**9.5**	**50.6**
	Gender	Female	11,271	1273.17	68.68	47.5	43.4	9.1	52.5
		Male	11,832	1268.28	73.84	51.1	39.0	9.9	48.9
	Ethnicity	AI/AN	275	1217.52	59.03	78.9	19.3	1.8	21.1
		Asian	629	1293.92	85.80	39.1	41.0	19.9	60.9
		Black	1,429	1218.43	57.08	80.5	17.4	2.0	19.5
		Hispanic	4,150	1245.59	62.62	65.8	29.8	4.4	34.2
		NH/PI	29	1286.03	77.46	37.9	44.8	17.2	62.1
		White	15,575	1283.72	69.63	41.2	47.3	11.6	58.8
		2 or more Races	785	1258.12	66.50	55.9	39.0	5.1	44.1
	FRL	Yes	10,216	1241.17	62.08	67.1	29.3	3.5	32.9
		No	12,803	1294.60	69.33	35.0	50.8	14.3	65.0
	LEP	Yes	3,449	1242.73	65.08	66.9	28.6	4.5	33.1
		No	19,570	1275.85	71.24	46.1	43.5	10.4	53.9
	SPED	Yes	3,169	1207.19	54.12	86.9	11.6	1.5	13.1
		No	19,850	1281.06	68.43	43.2	46.0	10.8	56.8

*AI/AN = American Indian or Alaska Native. NH/PI = Native Hawaiian or Other Pacific Islander. FRL = free and reduced lunch. LEP = limited English proficient. SPED = special education.
**Level 3 = Developing. Level 2 = On Track. Level 3 = CCR Benchmark.

Table L.3. Achievement Level Distributions & Scale Score Descriptive Statistics by Demographics—Science

Science									
				SS Descriptive Statistics		Percent of Students in Each Achievement Level*			
Grade	Demographic Sub-Group*		N	Mean	SD	Level 3	Level 2	Level 1	L2 + L1
5	**Grade 5 Overall**		**22,138**	**102.12**	**32.95**	**30.1**	**54.4**	**15.5**	**69.9**
	Gender	Female	10,711	100.50	32.24	31.6	54.2	14.1	68.4
		Male	11,427	103.64	33.52	28.7	54.6	16.8	71.3
	Ethnicity	AI/AN	289	81.14	30.59	57.8	36.0	6.2	42.2
		Asian	588	100.75	38.04	35.7	46.1	18.2	64.3
		Black	1,493	78.33	29.28	62.0	33.8	4.2	38.0
		Hispanic	4,131	87.48	29.09	47.5	47.1	5.4	52.5
		NH/PI	39	95.56	38.76	41.0	41.0	17.9	59.0
		White	14,517	109.86	31.21	20.4	59.6	20.1	79.6
		2 or more Races	893	97.05	31.42	34.8	54.8	10.4	65.2
	FRL	Yes	10,358	89.20	30.53	45.5	47.7	6.8	54.5
		No	11,683	113.82	30.53	16.0	60.6	23.3	84.0
	LEP	Yes	3,178	81.42	29.40	56.3	39.5	4.2	43.7
		No	18,863	105.76	32.16	25.5	57.1	17.5	74.5
	SPED	Yes	3,382	77.38	30.91	63.7	31.7	4.5	36.3
		No	18,659	106.76	31.21	23.8	58.7	17.6	76.2
8	**Grade 8 Overall**		**23,045**	**102.58**	**36.00**	**32.9**	**47.6**	**19.5**	**67.1**
	Gender	Female	11,255	101.16	33.97	33.4	49.5	17.1	66.6
		Male	11,790	103.94	37.79	32.5	45.7	21.8	67.5
	Ethnicity	AI/AN	273	76.12	32.78	64.8	30.0	5.1	35.2
		Asian	630	103.20	40.55	34.9	41.7	23.3	65.1
		Black	1,427	74.45	29.33	68.3	28.0	3.7	31.7
		Hispanic	4,137	85.66	30.72	52.4	40.8	6.8	47.6
		NH/PI	29	104.83	34.84	34.5	44.8	20.7	65.5
		White	15,568	110.65	34.55	23.2	52.0	24.8	76.8
		2 or more Races	783	98.97	33.53	36.4	47.5	16.1	63.6
	FRL	Yes	10,175	87.42	32.61	50.2	41.0	8.8	49.8
		No	12,789	114.82	33.85	18.9	53.0	28.1	81.1
	LEP	Yes	3,430	81.42	31.03	58.5	35.7	5.8	41.5
		No	19,534	106.41	35.49	28.3	49.7	22.0	71.7
	SPED	Yes	3,135	72.06	31.36	72.6	22.6	4.9	27.4
		No	19,829	107.52	34.23	26.5	51.6	21.9	73.5

*AI/AN = American Indian or Alaska Native. NH/PI = Native Hawaiian or Other Pacific Islander. FRL = free and reduced lunch. LEP = limited English proficient. SPED = special education.
**Level 3 = Below the Standards. Level 2 = Meets the Standards. Level 1 = Exceeds the Standards.

Appendix M: Marginal Reliability by Demographics

Table M.1. Marginal Reliability by Demographics—ELA

ELA						
Grade	**Demographic Sub-Group***		**N**	**Variance**	**MSE**	**Marginal Reliability**
3	**Grade 3 Overall**		**23,774**	**5848.4**	**565.8**	**0.90**
	Gender	Female	11,595	5803.2	567.5	0.90
		Male	12,179	5777.4	564.2	0.90
	Ethnicity	AI/AN	287	5943.9	590.7	0.90
		Asian	644	7330.7	596.1	0.92
		Black	1,564	5004.5	573.7	0.89
		Hispanic	4,596	4560.1	551.7	0.88
		NH/PI	33	6429.4	574.0	0.91
		White	15,329	5502.5	567.4	0.90
		2 or more Races	1,023	5806.5	564.3	0.90
	FRL	Yes	11,594	4967.6	557.6	0.89
		No	12,059	5187.1	573.5	0.89
	LEP	Yes	3,751	4563.8	558.9	0.88
		No	19,902	5776.7	567.0	0.90
	SPED	Yes	3,922	5140.9	581.7	0.89
		No	19,731	5379.5	562.5	0.90
4	**Grade 4 Overall**		**23,789**	**5183.8**	**536.5**	**0.90**
	Gender	Female	11,534	5031.2	537.5	0.89
		Male	12,255	5266.4	535.5	0.90
	Ethnicity	AI/AN	281	4342.0	544.6	0.87
		Asian	664	6682.3	564.8	0.92
		Black	1,644	4630.7	540.5	0.88
		Hispanic	4,507	4333.2	522.8	0.88
		NH/PI	33	4760.3	520.5	0.89
		White	15,395	4756.2	538.4	0.89
		2 or more Races	989	5253.3	538.5	0.90
	FRL	Yes	11,458	4524.0	524.7	0.88
		No	12,211	4575.3	547.3	0.88
	LEP	Yes	3,765	4418.2	527.2	0.88
		No	19,904	5067.6	538.1	0.89
	SPED	Yes	3,873	4616.8	551.0	0.88
		No	19,796	4620.2	533.5	0.88

ELA						
Grade	**Demographic Sub-Group***		**N**	**Variance**	**MSE**	**Marginal Reliability**
5	**Grade 5 Overall**		**22,202**	**4475.9**	**522.5**	**0.88**
	Gender	Female	10,739	4292.8	521.9	0.88
		Male	11,463	4588.6	523.2	0.89
	Ethnicity	AI/AN	289	3868.4	523.4	0.86
		Asian	588	6023.2	560.0	0.91
		Black	1,488	4000.8	535.9	0.87
		Hispanic	4,164	3613.4	510.3	0.86
		NH/PI	39	5458.0	533.8	0.90
		White	14,515	4185.9	523.2	0.88
		2 or more Races	892	4274.6	518.3	0.88
	FRL	Yes	10,401	3868.3	516.1	0.87
		No	11,699	3967.7	528.1	0.87
	LEP	Yes	3,209	3746.2	518.7	0.86
		No	18,891	4391.2	523.0	0.88
	SPED	Yes	3,403	3683.6	544.0	0.85
		No	18,697	4018.1	518.5	0.87
6	**Grade 6 Overall**		**23,242**	**4454.2**	**482.9**	**0.89**
	Gender	Female	11,378	4206.1	480.8	0.89
		Male	11,864	4657.5	485.0	0.90
	Ethnicity	AI/AN	291	3639.4	484.3	0.87
		Asian	626	5639.2	512.4	0.91
		Black	1,598	3975.1	490.8	0.88
		Hispanic	4,381	3477.2	465.9	0.87
		NH/PI	31	3677.9	464.5	0.87
		White	15,216	4136.7	485.4	0.88
		2 or more Races	871	4533.4	483.0	0.89
	FRL	Yes	10,965	3832.4	472.0	0.88
		No	12,178	3888.6	492.2	0.87
	LEP	Yes	3,722	3827.4	475.6	0.88
		No	19,421	4347.1	484.0	0.89
	SPED	Yes	3,503	3441.6	496.9	0.86
		No	19,640	3986.9	480.1	0.88

ELA						
Grade	**Demographic Sub-Group***		**N**	**Variance**	**MSE**	**Marginal Reliability**
7	**Grade 7 Overall**		**22,890**	**5459.7**	**574.8**	**0.90**
	Gender	Female	11,110	5245.2	581.6	0.89
		Male	11,780	5521.2	568.4	0.90
	Ethnicity	AI/AN	266	4652.0	553.5	0.88
		Asian	602	6273.3	613.3	0.90
		Black	1,533	4713.2	557.3	0.88
		Hispanic	4,160	4477.7	540.7	0.88
		NH/PI	43	4517.8	552.8	0.88
		White	15,207	5078.3	584.6	0.88
		2 or more Races	845	5663.2	579.0	0.90
	FRL	Yes	10,552	4534.8	542.4	0.88
		No	12,241	4799.8	602.6	0.87
	LEP	Yes	3,474	4732.3	548.2	0.88
		No	19,319	5338.4	579.5	0.89
	SPED	Yes	3,321	3587.3	563.1	0.84
		No	19,472	4889.0	576.7	0.88
8	**Grade 8 Overall**		**23,178**	**4397.8**	**504.7**	**0.89**
	Gender	Female	11,304	4070.2	505.7	0.88
		Male	11,874	4545.6	503.8	0.89
	Ethnicity	AI/AN	273	3903.0	508.4	0.87
		Asian	630	5278.3	524.2	0.90
		Black	1,429	3975.4	509.4	0.87
		Hispanic	4,194	3642.3	490.9	0.87
		NH/PI	29	5352.7	516.0	0.90
		White	15,587	3999.1	506.9	0.87
		2 or more Races	784	4407.2	501.1	0.89
	FRL	Yes	10,268	3876.7	494.8	0.87
		No	12,821	3801.4	512.4	0.87
	LEP	Yes	3,495	3838.1	496.2	0.87
		No	19,594	4278.5	506.1	0.88
	SPED	Yes	3,178	3350.1	521.4	0.84
		No	19,911	3826.1	501.9	0.87

*AI/AN = American Indian or Alaska Native. NH/PI = Native Hawaiian or Other Pacific Islander. FRL = free and reduced lunch. LEP = limited English proficient. SPED = special education.

Table M.2. Marginal Reliability by Demographics—Mathematics

Mathematics						
Grade	**Demographic Sub-Group***		**N**	**Variance**	**MSE**	**Marginal Reliability**
3	**Grade 3 Overall**		**23,744**	**5062.1**	**425.0**	**0.92**
	Gender	Female	11,584	4739.8	414.6	0.91
		Male	12,160	5357.8	434.8	0.92
	Ethnicity	AI/AN	285	4322.2	378.6	0.91
		Asian	645	6964.0	530.0	0.92
		Black	1,563	4226.1	378.6	0.91
		Hispanic	4,589	3712.2	367.9	0.90
		NH/PI	33	4765.3	388.3	0.92
		White	15,344	4757.1	445.2	0.91
		2 or more Races	1,024	4693.3	396.2	0.92
	FRL	Yes	11,568	4179.7	377.3	0.91
		No	12,058	4561.4	470.9	0.90
	LEP	Yes	3,728	4010.7	374.8	0.91
		No	19,898	4981.5	434.5	0.91
	SPED	Yes	3,922	5054.0	392.0	0.92
		No	19,704	4508.4	431.7	0.90
4	**Grade 4 Overall**		**23,739**	**4486.1**	**433.1**	**0.90**
	Gender	Female	11,524	4110.4	417.7	0.90
		Male	12,215	4828.2	447.6	0.91
	Ethnicity	AI/AN	281	3012.2	366.6	0.88
		Asian	664	6185.3	548.0	0.91
		Black	1,644	3100.7	368.3	0.88
		Hispanic	4,478	3337.0	372.7	0.89
		NH/PI	34	3984.4	393.0	0.90
		White	15,407	4292.1	456.5	0.89
		2 or more Races	991	4162.9	406.3	0.90
	FRL	Yes	11,420	3514.6	377.8	0.89
		No	12,205	4294.9	485.3	0.89
	LEP	Yes	3,735	3602.7	382.7	0.89
		No	19,890	4468.7	442.9	0.90
	SPED	Yes	3,873	3342.9	375.1	0.89
		No	19,752	4212.4	444.8	0.89

Mathematics						
Grade	**Demographic Sub-Group***		**N**	**Variance**	**MSE**	**Marginal Reliability**
5	**Grade 5 Overall**		**22,164**	**4382.8**	**452.6**	**0.90**
	Gender	Female	10,718	4098.8	444.5	0.89
		Male	11,446	4648.4	460.2	0.90
	Ethnicity	AI/AN	288	3519.6	366.0	0.90
		Asian	588	6374.2	619.5	0.90
		Black	1,493	3071.4	358.9	0.88
		Hispanic	4,143	3187.0	374.5	0.88
		NH/PI	39	5094.0	466.2	0.91
		White	14,525	4246.5	482.5	0.89
		2 or more Races	894	4098.7	421.1	0.90
	FRL	Yes	10,374	3414.0	380.7	0.89
		No	11,694	4268.9	517.1	0.88
	LEP	Yes	3,180	3594.2	386.9	0.89
		No	18,888	4381.4	464.1	0.89
	SPED	Yes	3,403	3170.0	366.2	0.88
		No	18,665	4087.5	468.8	0.89
6	**Grade 6 Overall**		**23,195**	**5237.5**	**425.9**	**0.92**
	Gender	Female	11,352	4984.7	420.1	0.92
		Male	11,843	5478.4	431.5	0.92
	Ethnicity	AI/AN	290	4291.2	366.1	0.91
		Asian	626	7437.9	561.0	0.92
		Black	1,596	4619.1	371.4	0.92
		Hispanic	4,358	3990.2	364.7	0.91
		NH/PI	32	5088.2	391.2	0.92
		White	15,214	4810.3	445.8	0.91
		2 or more Races	872	5256.1	413.5	0.92
	FRL	Yes	10,927	4369.1	371.4	0.91
		No	12,173	4675.9	475.1	0.90
	LEP	Yes	3,692	4722.3	381.5	0.92
		No	19,408	5150.3	434.5	0.92
	SPED	Yes	3,496	3954.2	364.5	0.91
		No	19,604	4698.3	437.0	0.91

Mathematics						
Grade	**Demographic Sub-Group***		**N**	**Variance**	**MSE**	**Marginal Reliability**
7	**Grade 7 Overall**		**22,820**	**4546.5**	**399.4**	**0.91**
	Gender	Female	11,084	4233.4	389.4	0.91
		Male	11,736	4842.7	408.9	0.92
	Ethnicity	AI/AN	266	2821.7	368.9	0.87
		Asian	601	6860.3	522.6	0.92
		Black	1,531	2911.7	371.7	0.87
		Hispanic	4,127	3295.9	363.2	0.89
		NH/PI	43	3874.6	389.2	0.90
		White	15,196	4364.8	408.6	0.91
		2 or more Races	845	4299.6	390.4	0.91
	FRL	Yes	10,494	3292.9	364.2	0.89
		No	12,230	4413.0	429.7	0.90
	LEP	Yes	3,434	3831.5	380.8	0.90
		No	19,290	4521.2	402.8	0.91
	SPED	Yes	3,311	2539.7	371.0	0.85
		No	19,413	4312.4	404.3	0.91
8	**Grade 8 Overall**		**23,107**	**5099.2**	**455.6**	**0.91**
	Gender	Female	11,273	4717.0	444.4	0.91
		Male	11,834	5452.1	466.3	0.91
	Ethnicity	AI/AN	275	3485.0	380.9	0.89
		Asian	629	7361.9	665.4	0.91
		Black	1,429	3257.6	379.7	0.88
		Hispanic	4,151	3921.8	390.5	0.90
		NH/PI	29	5999.5	487.5	0.92
		White	15,576	4848.5	475.7	0.90
		2 or more Races	785	4422.7	410.7	0.91
	FRL	Yes	10,219	3854.4	386.7	0.90
		No	12,803	4806.9	510.5	0.89
	LEP	Yes	3,449	4235.1	405.3	0.90
		No	19,573	5074.9	464.4	0.91
	SPED	Yes	3,171	2928.6	385.9	0.87
		No	19,851	4682.3	466.7	0.90

*AI/AN = American Indian or Alaska Native. NH/PI = Native Hawaiian or Other Pacific Islander. FRL = free and reduced lunch. LEP = limited English proficient. SPED = special education.

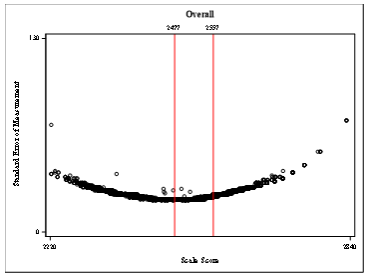
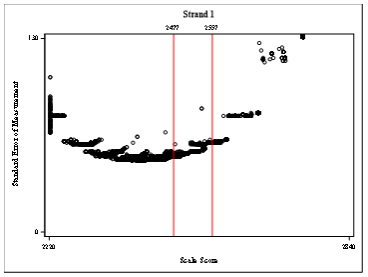
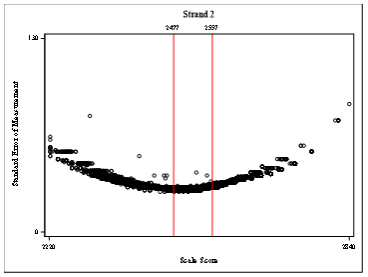
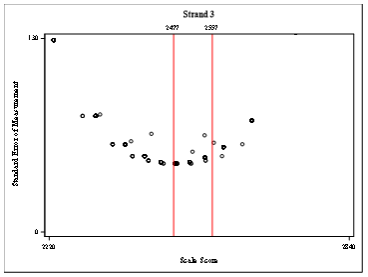
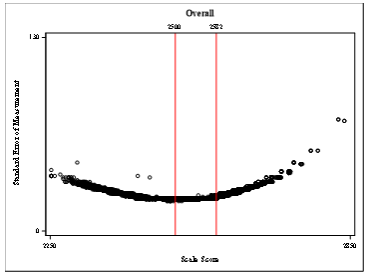
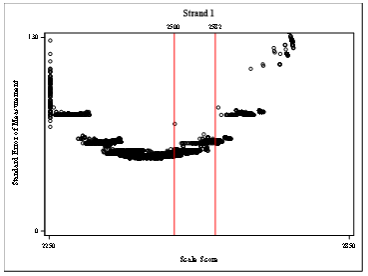
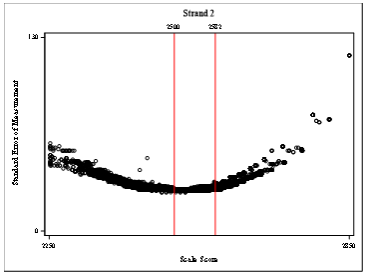
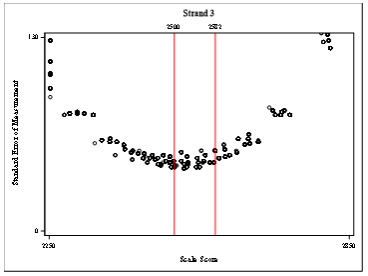
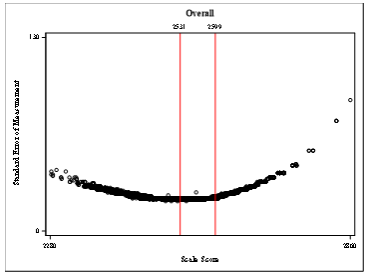
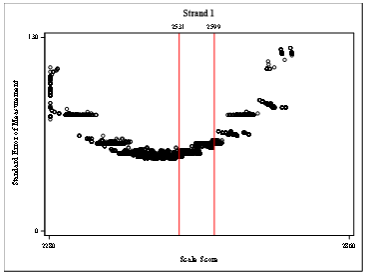
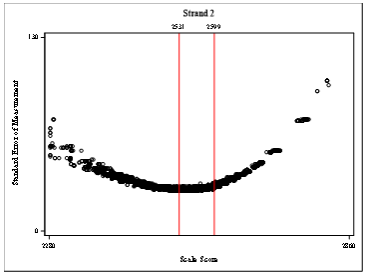
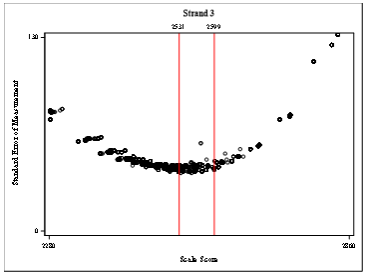
Table M.3. Marginal Reliability by Demographics—Science

Science						
Grade	**Demographic Sub-Group***		**N**	**Variance**	**MSE**	**Marginal Reliability**
5	**Grade 5 Overall**		**22,140**	**1085.5**	**140.3**	**0.87**
	Gender	Female	10,713	1039.7	136.4	0.87
		Male	11,427	1123.7	144.0	0.87
	Ethnicity	AI/AN	289	935.5	116.4	0.88
		Asian	588	1446.8	152.2	0.89
		Black	1,493	857.1	113.2	0.87
		Hispanic	4,131	846.3	117.2	0.86
		NH/PI	39	1502.5	137.9	0.91
		White	14,518	973.9	150.7	0.85
		2 or more Races	893	987.4	129.4	0.87
	FRL	Yes	10,359	931.9	120.8	0.87
		No	11,683	932.1	157.9	0.83
	LEP	Yes	3,178	864.6	114.9	0.87
		No	18,864	1034.4	144.7	0.86
	SPED	Yes	3,382	955.3	116.2	0.88
		No	18,660	973.8	144.8	0.85
8	**Grade 8 Overall**		**23,056**	**1296.2**	**123.2**	**0.91**
	Gender	Female	11,259	1154.0	117.1	0.90
		Male	11,797	1428.3	129.0	0.91
	Ethnicity	AI/AN	273	1074.5	101.2	0.91
		Asian	630	1644.1	135.0	0.92
		Black	1,427	860.2	95.9	0.89
		Hispanic	4,141	943.7	100.0	0.89
		NH/PI	29	1213.7	120.3	0.90
		White	15,570	1193.9	132.6	0.89
		2 or more Races	783	1124.1	113.1	0.90
	FRL	Yes	10,181	1063.1	103.5	0.90
		No	12,789	1145.9	139.0	0.88
	LEP	Yes	3,434	962.7	98.9	0.90
		No	19,536	1259.5	127.6	0.90
	SPED	Yes	3,137	983.4	100.1	0.90
		No	19,833	1172.0	126.9	0.89

*AI/AN = American Indian or Alaska Native. NH/PI = Native Hawaiian or Other Pacific Islander. FRL = free and reduced lunch. LEP = limited English proficient. SPED = special education.

Appendix N: Scatterplots for Scale Score CSEM

Figure N.1. Scatterplots for Scale Score CSEM—ELA

ELA			
Overall	**Reading Vocabulary**	**Reading Comprehension**	**Writing Skills**
Grade 3			
			
Grade 4			
			
Grade 5			
			

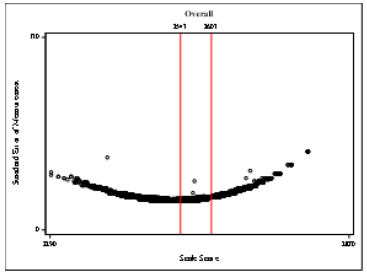
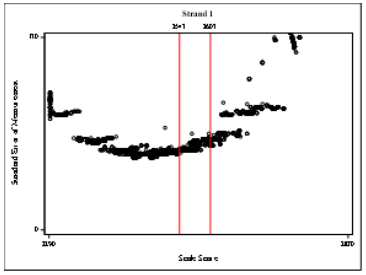
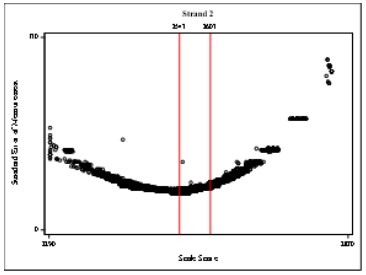
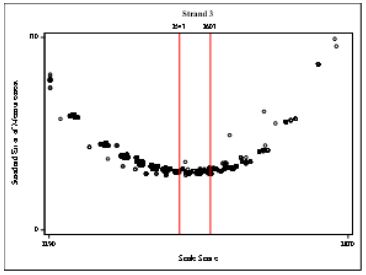
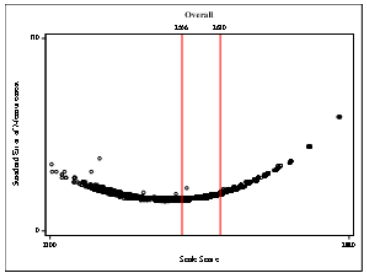
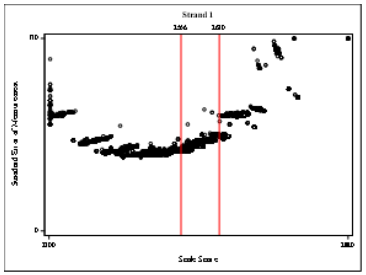
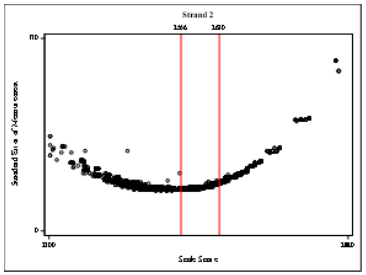
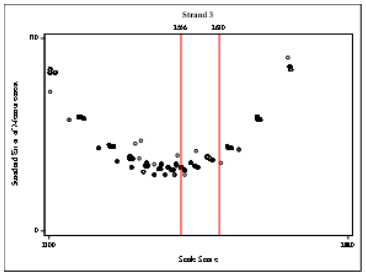
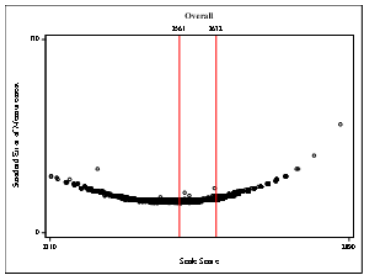
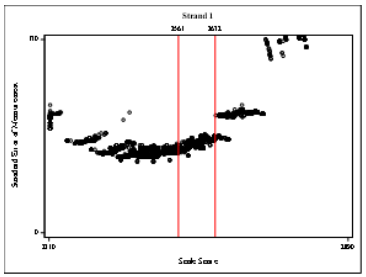
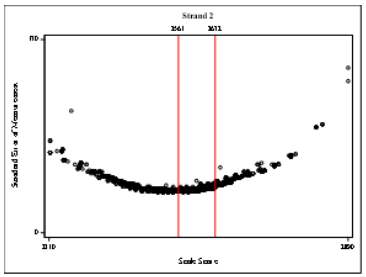
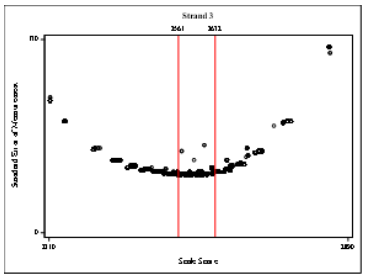
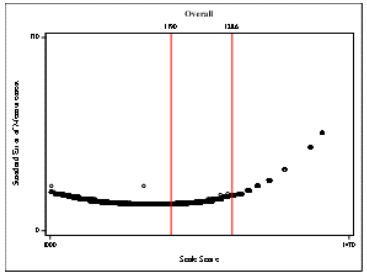
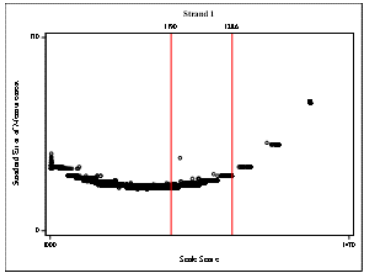
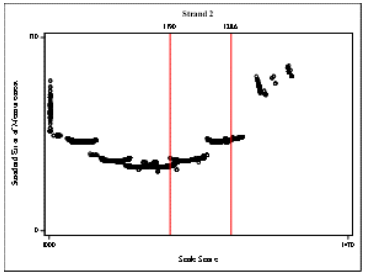
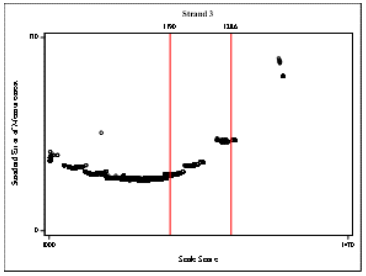
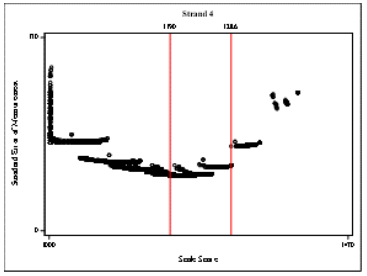
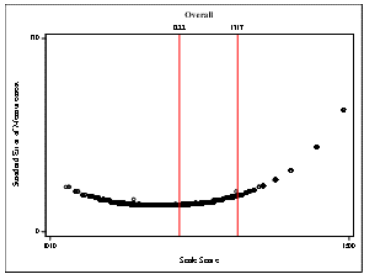
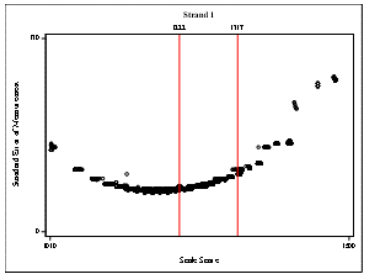
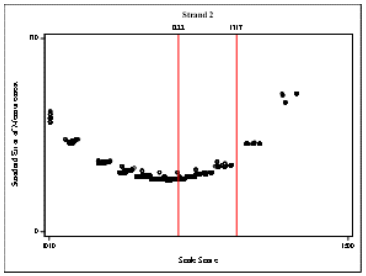
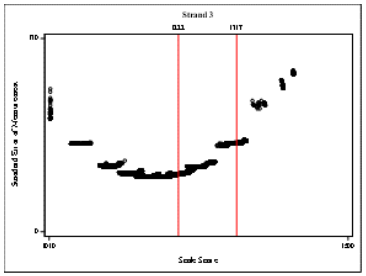
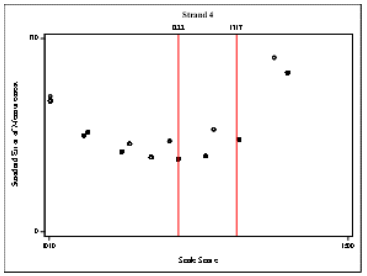
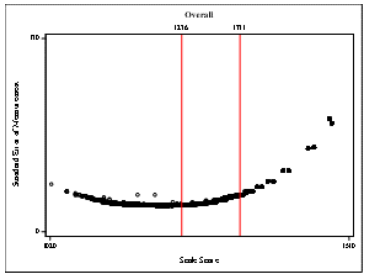
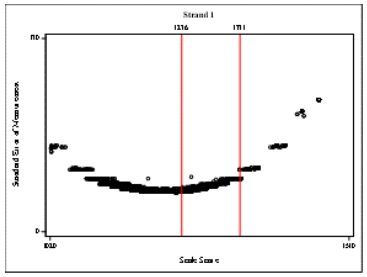
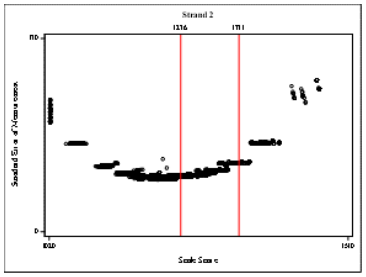
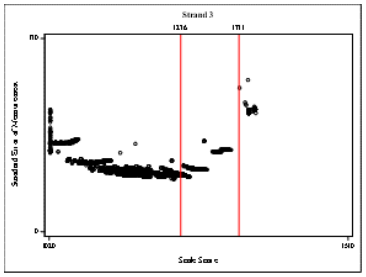
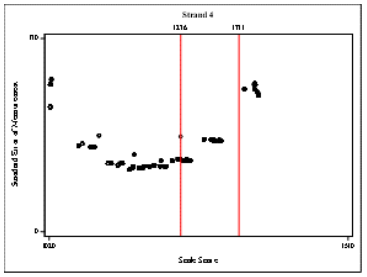
ELA			
Overall	**Reading Vocabulary**	**Reading Comprehension**	**Writing Skills**
Grade 6			
			
Grade 7			
			
Grade 8			
			

Figure N.2. Scatterplots for Scale Score CSEM—Mathematics

Mathematics				
Overall	**Number**	**Algebra**	**Geometry**	**Data**
Grade 3				
				
Grade 4				
				
Grade 5				
				

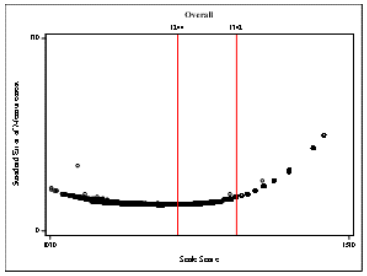
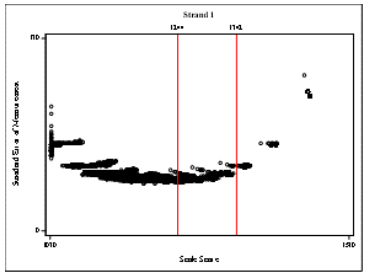
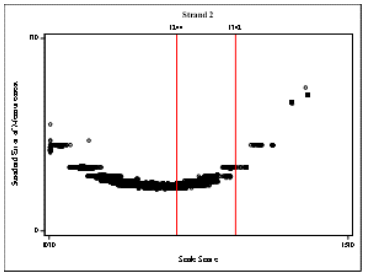
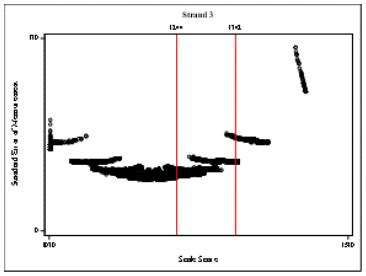
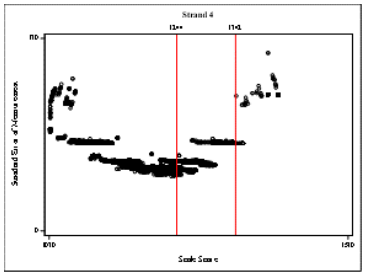
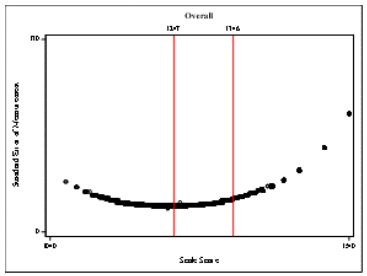
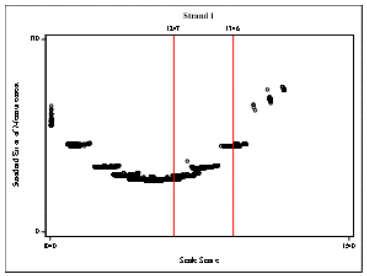
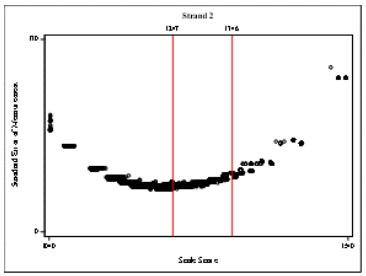
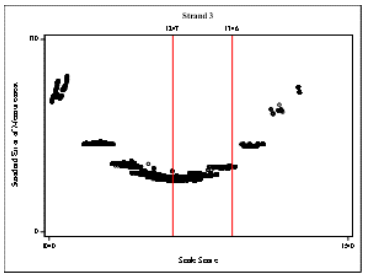
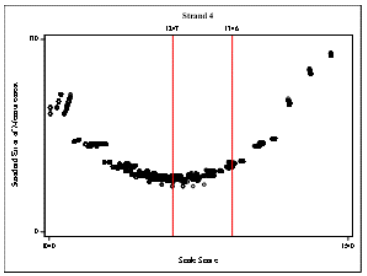
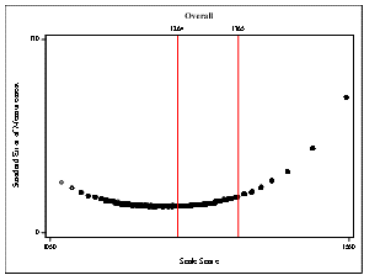
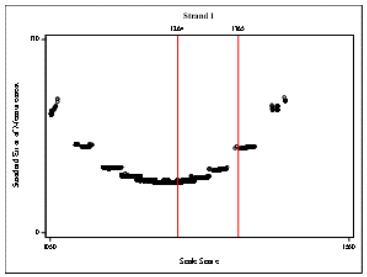
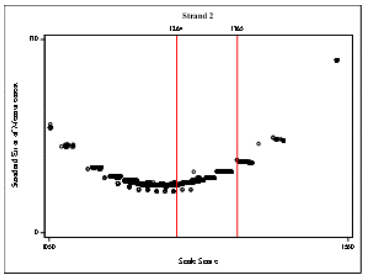
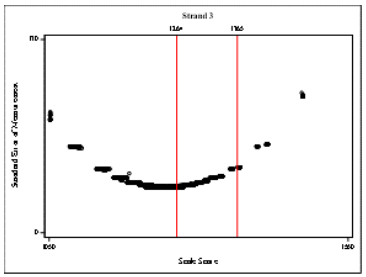
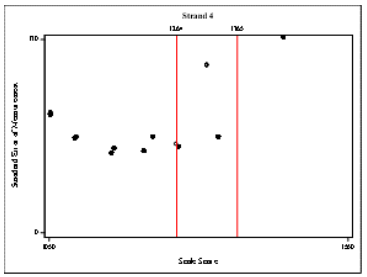
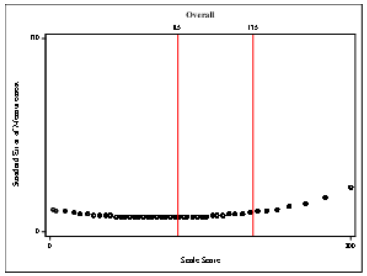
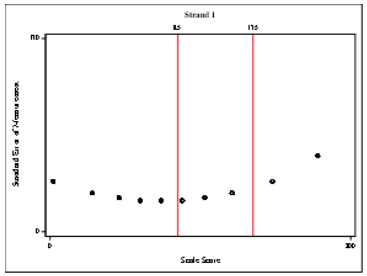
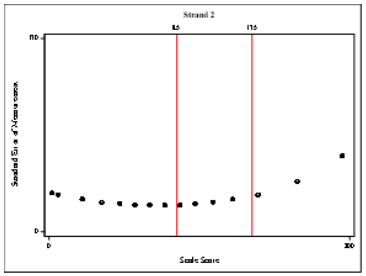
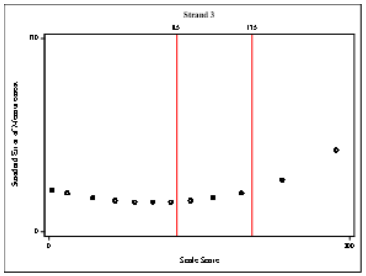
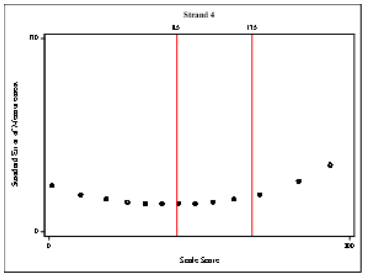
Mathematics				
Overall	**Number**	**Algebra**	**Geometry**	**Data**
Grade 6				
				
Grade 7				
				
Grade 8				
				

Figure N.3. Scatterplots for Scale Score CSEM—Science

Science				
Overall	**Inquiry, Nature of Science, & Tech**	**Physical Science**	**Life Science**	**Earth/Space Sciences**
Grade 5				
				
Grade 8				
