Spring 2010

Nebraska State Accountability (NeSA)

Grades 3-8 and 11

Reading Operational and Field Test

Mathematics Field Test

Technical Report

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2010 Nebraska State Accountability (NeSA) Technical Report

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1. Background

1.1 Purpose and organization of this report

This report documents the technical aspects of the 2010 Nebraska Reading (NeSA-R) operational tests and Mathematics (NeSA-M) field tests details of item and test development process, administration procedures, and psychometric methods and summaries.

1.2 Background of the Nebraska Student Assessment (NeSA)

Previous Nebraska Assessments: For the past eight years, Nebraska administered a balance of local and state-generated assessments to meet NCLB requirements called STARS (School-based Teacher-led Assessment and Reporting System). STARS is a decentralized local assessment system that measures academic content standards in reading, mathematics, and science. The state reviewed every local assessment system for compliance and technical quality. The Nebraska Department of Education (NDE) provided guidance and support for Nebraska educators by training them to develop and use classroom-based assessments. For accreditation, districts were also required to administer national norm-referenced tests (NRT).

As a component of STARS, NDE administered one writing assessment annually in grades 4, 8, and 11. In addition, NDE provided an alternate assessment for students severely challenged by cognitive disabilities.

Purpose of the NeSA: Legislative Bill 1157 passed by the 2008 Nebraska Legislature (http://uniweb.legislature.ne.gov/FloorDocs/Current/PDF/Slip/LB1157.pdf) requires a single statewide assessment of the Nebraska academic content standards for writing, reading, mathematics, and science in Nebraska's K-12 public schools. The new assessment system is named NeSA (Nebraska State Accountability), with NeSA-R for reading assessments, NeSA-M for mathematics, and NeSA-S for science. The assessments in reading and math will be administered in grades 3-8 and 11; science will be administered in grades 5, 8, and 11.

NeSA will supplant previous school-based assessments for purposes of local, state, and federal accountability. NeSA will consist entirely of multiple choice items and will be administered, to the extent practicable, online. In January 2009, the Nebraska Department of Education (NDE) contracted with Data Recognition Corporation (DRC) to support the Department of Education with the administration, record keeping, and reporting of statewide student assessment and accountability.

Phase-In Schedule for NeSA: The NDE prescribed such assessments starting in the 2009-2010 school year to be phased in as shown in Table 1.2.1. The state intends to use the expertise and experience of in-state educators to participate, to the maximum extent possible, in the design and development of the new statewide assessment system.

Table 1.2.1: NeSA Administration Schedule

Subject	Administration Year		Grades
	Field Test	Operational	
Reading	2009	2010	3 through 8 plus high school
Mathematics	2010	2011	3 through 8 plus high school
Science	2011	2012	Elementary, middle, and high school

Advisory Committees: LB 1157 added a governor-appointed Technical Advisory Committee (TAC) with three nationally recognized experts in educational assessment, one Nebraska administrator, and one Nebraska teacher. The TAC will review the development plan for the NeSA, and provide technical advice, guidance, and research to help the NDE make informed decisions regarding standards, assessment, and accountability. The existing Statewide Assessment Advisory Group will continue to provide input into the direction and design of the assessment system from a local perspective.

2. Item and Test Development

2.1 Content Standards

In April of 2008, the Nebraska Legislature passed into state law Legislative Bill 1157 (Appendix A). This action changed previous provisions related to standards, assessment, and reporting. Specific to standards, the legislation stated:

- The State Board of Education shall adopt measurable academic content standards for at least the grade levels required for statewide assessment. The standards shall cover the subject areas of reading, writing, mathematics, science, and social studies. The standards adopted shall be sufficiently clear and measurable to be used for testing student performance with respect to mastery of the content described in the state standards.
- The State Board of Education shall develop a plan to review and update standards for each subject area every five years.
- The state board shall review and update the standards in reading by July 1, 2009, the standards in mathematics by July 1, 2010, and these standards in all other subject areas by July 1, 2013.

The Nebraska Language Arts Standards are the foundation for Nebraska State Accountability – Reading. This assessment instrument is comprised of items that address standards for grades 3–8 and 11. The reading standards for each grade are represented in items that are distributed between two reporting categories: vocabulary and comprehension. The vocabulary standards include word structure, context clues, and semantic relationships. The comprehension standards include author's purpose, elements of narrative text, literary devices, main idea, relevant details, text features, genre, and generating questions while reading.

The mathematics component of Nebraska State Accountability is composed of items that address indicators in grades 3 through 8 and high school. The assessable standards for each grade level are distributed among the four reporting categories: Number Sense Concepts, Geometric/Measurement Concepts, Algebraic Concepts, and Data Analysis/Probability Concepts. The National Council of Teachers of Mathematics (NCTM) and the National Assessment of Educational Progress (NAEP) standards are the foundation of the Nebraska Mathematics standards.

2.2 Test Blueprints

The NeSA-R and NeSA-M test blueprints include lists of all the standards, organized by reporting categories. The test blueprints also contain the Depth of Knowledge level assigned to each standard and the range of test items to be part of the assessment by indicator. The NeSA-R test blueprint was developed and approved in fall 2009 (Appendix B). The NeSA-M test blueprint was developed and approved in fall 2010 (Appendix C).

2.3 Multiple-choice Items

NeSA-R and NeSA-M incorporate multiple-choice items to assess the content standards. Students are required to select a correct answer from four response choices with a single correct answer. Each multiple-choice item is scored as right or wrong and has a value of one raw score point. Multiple-choice items are used to assess a variety of skill levels in relation to the tested standards.

2.4 Passage Selection

All items in the reading assessment were derived from a selection of narrative and informational passages. Passages acquired were "authentic" in that they were purchased from the test vendor that commissioned experienced passage writers to provide quality pieces of text. Passages were approved by a group of reading content specialists that have teaching experience at specific grade levels. These experts were given formal training on the specific requirements of the Nebraska assessment of reading. The group, under the facilitation of the NDE test development team, screened and edited passages for:

- interest and accuracy of information in a passage to a particular grade level;
- grade-level appropriateness of passage topic and vocabulary;
- rich passage content to support the development of high-quality test questions;
- bias, sensitivity, and fairness issues; and
- readability considerations and concerns.

Passages that were approved moved forward for the development of test items.

The readability of a passage was a judgmental process made by Nebraska educators, NDE's test development team, DRC's reading content specialists, and other individuals who understand each particular grade level and children of a particular age group. In addition, formal readability programs were also used by DRC to provide a "snapshot" of a passage's reading difficulty based on sentence structure, length of words, etc. All of this information, along with the classroom context and content appropriateness of a passage, was taken into consideration when placing a passage at a particular grade.

2.5 Item Development and Review

The most significant considerations in the item and test development process are: aligning the items to the grade level indicators; determining the grade-level appropriateness; depth of knowledge; estimated difficulty level; and determining style, accuracy, and correct terminology. In addition, the *Standards for Educational and Psychological Testing* (AERA, APA, & NCME, 1999) and *Universal Design* (Thompson, Johnstone, & Thurlow, 2002) guide the following steps in the item development process.

- Analyze the grade level indicators and test blueprints.
- Analyze item specifications and style guides.
- Select qualified item writers.

- Develop item-writing workshop training materials.
- Train Nebraska educators to write items.
- Write items that match the standards, are free of bias, and address fairness and sensitivity concerns.
- Conduct and monitor internal item reviews and quality processes.
- Prepare passages and items for review by a committee of Nebraska educators (content and bias/sensitivity).
- Select and assemble items for field testing.
- Field test items, score the items, and analyze the data.
- Review items and associated statistics after field testing, including bias statistics.
- Update item bank.

Item Writer Training: The test items were written by Nebraska educators who were recommended for the process by an administrator. Three criteria were considered in selecting the item writers: educational role, geographic location, and experience with item writing.

Prior to developing items for NeSA, a cadre of item writers was trained with regard to:

- Nebraska content standards, and test blueprint;
- cognitive levels, including depth of knowledge;
- principles of universal design;
- skill-specific and balanced test items for the grade level;
- developmentally appropriate structure and content;
- item-writing technical quality issues;
- bias, fairness, and sensitivity issues; and
- style considerations and item specifications.

Item Writing: To ensure that all test items met the requirements of the approved target content test blueprint and were adequately distributed across subcategories and levels of difficulty, item writers were asked to document the following specific information as each item was written.

- Alignment to the Nebraska Standards: There must be a high degree of match between a particular question and the standard it is intended to measure. Item writers were asked to clearly indicate which standard each item was measuring.

- Estimated Difficulty Level: Prior to field testing items, the item difficulties were not known, and writers could only make approximations as to how difficult an item might be. The estimated difficulty level was based upon the writer's own judgment as directly related to his or her classroom teaching and knowledge of the curriculum for a given subject area and grade level. The purpose for indicating estimated difficulty levels as items were written was to help ensure that the pool of items would include a range of difficulty (easy, medium, and challenging).

- Appropriate Grade Level, Item Context, and Assumed Student Knowledge: Item writers were asked to consider the conceptual and cognitive level of each item. They were asked to review

each item to determine whether or not the item was measuring something that was important and could be successfully taught and learned in the classroom.

- Multiple-Choice (MC) Item Options and Distractor Rationale: Writers were instructed to make sure that each item had only one clearly correct answer. Item writers submitted the answer key with the item. All distractors were plausible choices that represented common errors and misconceptions in student reasoning.

- Face Validity and Distribution of Items Based Upon Depth of Knowledge: Writers were asked to classify the depth of knowledge of each item, using a model based on Norman Webb's work on depth of knowledge (Webb, 2002). Items were classified as one of four depth of knowledge categories: recall, skill/concept, strategic thinking, and extended thinking.

- Readability: Writers were instructed to pay careful attention to the readability of each item to ensure that the focus was on the concepts; not on reading comprehension of the item. Resources writers used to verify the vocabulary level were the *EDL Core Vocabularies* (Taylor et.al., 1989) and the *Children's Writer's Word Book* (Mogilner, 1992). In addition, every test item was reviewed by grade-level experts. They reviewed each item from the perspective of the students they teach, and they determined the validity of the vocabulary used.

- Grammar and Structure for Item Stems and Item Options: All items were written to meet technical quality, including correct grammar, syntax, and usage in all items, as well as parallel construction and structure of text associated with each multiple-choice item.

Item Review: Throughout the item development process, independent panels of reading content experts reviewed the items. The following guidelines for reviewing assessment items were used during each review process.

A quality item should:

- have only one clear correct answer and contain answer choices that are reasonably parallel in length and structure;
- have a correctly assigned content code (item map);
- measure one main idea or problem;
- measure the objective or curriculum content standard it is designed to measure;
- be at the appropriate level of difficulty;
- be simple, direct, and free of ambiguity;
- make use of vocabulary and sentence structure that is appropriate to the grade level of the student being tested;
- be based on content that is accurate and current;
- when appropriate, contain stimulus material that are clear and concise and provide all information that is needed;
- when appropriate, contain graphics that are clearly labeled;
- contain answer choices that are plausible and reasonable in terms of the requirements of the question, as well as the students' level of knowledge;
- contain distracters that relate to the question and can be supported by a rationale;

- reflect current teaching and learning practices in the subject area; and
- be free of gender, ethnic, cultural, socioeconomic, and regional stereotyping bias.

Following each review process, the item writer group and the item review panel discussed suggestions for revision related to each item. Items were revised only when both groups agreed on the proposed change.

Editorial Review of Items: After items were written and reviewed, Nebraska Department of Education test development specialists reviewed each item for item quality, making sure that the test items were in compliance with guidelines for clarity, style, accuracy, and appropriateness for Nebraska students. Additionally, DRC test development content experts worked collaboratively with NDE to review and revise the items prior to field testing to ensure highest level of quality possible.

Universally Designed Assessments: Universally designed assessments allow participation of the widest possible range of students and result in valid inferences about performance of all students who participate and are based on the premise that each child in school is a part of the population to be tested, and that testing results should not be affected by disability, gender, race, or English language ability (Thompson, Johnstone, & Thurlow, 2002). The Nebraska Department of Education and Data Recognition Corporation (DRC) are committed to the development of items and tests that are fair and valid for all students. At every stage of the item and test development process, procedures ensure that items and tests are designed and developed using the elements of universally designed assessments that were developed by the National Center on Educational Outcomes (NCEO).

Federal legislation addresses the need for universally designed assessments. The *No Child Left Behind Act* (Elementary and Secondary Education Act) requires that each state must "provide for the participation in [statewide] assessments of all students" [Section 1111(b)(3)(C)(ix)(l)]. Both Title 1 and IDEA regulations call for universally designed assessments that are accessible and valid for all students including students with disabilities and students with limited English proficiency. NDE and DRC recognize that the benefits of universally designed assessments not only apply to these groups of students, but to all individuals with wide ranging characteristics.

The NDE test development team and Nebraska item writers have been fully trained in the elements of universal design as it relates to developing large scale statewide assessments. Additionally, NDE and DRC partner to ensure that all items meet the Universal Design requirements during the item review process.

After a review of research relevant to the assessment development process and the principles of universal design (Center for Universal Design, 1997), NCEO has produced seven elements of universal design as they apply to assessments (Thompson, Johnstone, & Thurlow, 2002).

Inclusive Assessment Population

When tests are first conceptualized, they need to be thought of in the context of who will be tested. If the test is designed for state, district, or school accountability purposes, the target population must include every student except those who will participate in accountability through an alternate

assessment. NDE and DRC are fully aware of increased demands that statewide assessment systems must include and be accountable for ALL students.

Precisely Defined Constructs

An important function of well-designed assessments is that they actually measure what they are intended to measure. NDE item writers and DRC carefully examine what is to be tested and design items that offer the greatest opportunity for success within those constructs. Just as universally designed architecture removes physical, sensory, and cognitive barriers to all types of people in public and private structures, universally designed assessments must remove all non-construct-oriented cognitive, sensory, emotional, and physical barriers.

Accessible, Non-biased Items

NDE conducts both internal and external review of items and test specifications to ensure that they do not create barriers because of lack of sensitivity to disability, cultural, or other subgroups. Items and test specifications are developed by a team of individuals who understand the varied characteristics of items that might create difficulties for any group of students. Accessibility is incorporated as a primary dimension of test specifications, so that accessibility is woven into the fabric of the test rather than being added after the fact.

Amenable to Accommodations

Even though items on universally designed assessments will be accessible for most students, there will still be some students who continue to need accommodations. Thus, another essential element of any universally designed assessment is that it is compatible with accommodations and a variety of widely used adaptive equipment and assistive technology. NDE, DRC, and Computerized Assessment and Learning (CAL) work to ensure that state guidelines on the use of accommodations are compatible with the assessment being developed.

Simple, Clear, and Intuitive Instructions and Procedures

Assessment instructions should be easy to understand, regardless of a student's experience, knowledge, language skills, or current concentration level. Directions and questions need to be in simple, clear, and understandable language. Knowledge questions that are posed within complex language certainly invalidate the test if students cannot understand how they are expected to respond to a question.

Maximum Readability and Comprehensibility

A variety of guidelines exist to ensure that text is maximally readable and comprehensible. These features go beyond what is measured by readabililty formulas. Readability and comprehensibility are affected by many characteristics, including student background, sentence difficulty, organization of text, and others. All of these features are considered as NDE develops the text of assessments.

Plain language is a concept now being highlighted in research on assessments. Plain language has been defined as language that is straightforward and concise. The following strategies for editing text to produce plain language are used during NDE's editing process.

- Reduce excessive length.
- Use common words.
- Avoid ambiguous words.
- Avoid irregularly spelled words.
- Avoid proper names.
- Avoid inconsistent naming and graphic conventions.
- Avoid unclear signals about how to direct attention.
- Mark all questions.
- Maximum Legibility.

Legibility is the physical appearance of text, the way that the shapes of letters and numbers enable people to read text easily. Bias results when tests contain physical features that interfere with a student's focus on or understanding of the constructs that test items are intended to assess. DRC works closely with NDE to develop a style guide that includes dimensions of style that are consistent with universal design.

Depth of Knowledge: Interpreting and assigning depth of knowledge levels to both objectives within standards and assessment items is an essential requirement of alignment analysis. Four levels of depth of knowledge are used for this analysis. The Nebraska State Accountability-Reading and Mathematics assessments include items written at levels 1, 2, and 3. Level 4 items are not included due to the test be comprised of only multiple-choice items.

Reading Level 1

Level 1 requires students to receive or recite facts or to use simple skills or abilities. Oral reading that does not include analysis of the text as well as basic comprehension of a text is included. Items require only a shallow understanding of text presented and often consist of verbatim recall from text or simple understanding of a single word or phrase. Some examples that represent but do not constitute all of Level 1 performance are:

- Support ideas by reference to details in the text.
- Use a dictionary to find the meaning of words.
- Identify figurative language in a reading passage.

Reading Level 2

Level 2 includes the engagement of some mental processing beyond recalling or reproducing a response; it requires both comprehension and subsequent processing of text or portions of text. Intersentence analysis of inference is required. Some important concepts are covered but not in a complex way. Standards and items at this level may include words such as summarize, interpret, infer, classify, organize, collect, display, compare, and determine whether fact or opinion. Literal

main ideas are stressed. A Level 2 assessment item may require students to apply some of the skills and concepts that are covered in Level 1. Some examples that represent but do not constitute all of Level 2 performance are:

- Use context cues to identify the meaning of unfamiliar words.
- Predict a logical outcome based on information in a reading selection.
- Identify and summarize the major events in a narrative.

Reading Level 3

Deep knowledge becomes more of a focus at Level 3. Students are encouraged to go beyond the text; however, they are still required to show understanding of the ideas in the text. Students may be encouraged to explain, generalize, or connect ideas. Standards and items at Level 3 involve reasoning and planning. Students must be able to support their thinking. Items may involve abstract theme identification, inference across an entire passage, or students' application of prior knowledge. Items may also involve more superficial connections between texts. Some examples that represent but do not constitute all of Level 3 performance are:

- Determine the author's purpose and describe how it affects the interpretation of a reading selection.
- Summarize information from multiple sources to address a specific topic.
- Analyze and describe the characteristics of various types of literature.

Reading Level 4

Higher-order thinking is central and knowledge is deep at Level 4. The standard or assessment item at this level will probably be an extended activity, with extended time provided. The extended time period is not a distinguishing factor if the required work is only repetitive and does not require applying significant conceptual understanding and higher-order thinking. Students take information from at least one passage and are asked to apply this information to a new task. They may also be asked to develop hypotheses and perform complex analyses of the connections among texts. Some examples that represent but do not constitute all of Level 4 performance are:

- Analyze and synthesize information from multiple sources.
- Examine and explain alternative perspectives across a variety of sources.
- Describe and illustrate how common themes are found across texts from different cultures.

Mathematics Level 1

Level 1 includes the recall of information such as a fact, definition, term, or a simple procedure, as well as performing a simple algorithm or applying a formula. That is, in mathematics a one-step, well-defined, and straight algorithmic procedure should be included at this lowest level. Other key words that signify a Level 1 include "identify," "recall," "recognize," "use," and "measure." Verbs

such as “describe” and “explain” could be classified at different levels depending on what is to be described and explained.

Mathematics Level 2

Level 2 includes the engagement of some mental processing beyond a habitual response. A Level 2 assessment item requires students to make some decisions as to how to approach the problem or activity, whereas Level 1 requires students to demonstrate a rote response, perform a well-known algorithm, follow a set procedure (like a recipe), or perform a clearly defined series of steps. Keywords that generally distinguish a Level 2 item include “classify,” “organize,” “estimate,” “make observations,” “collect and display data,” and “compare data.” These actions imply more than one step. For example, to compare data requires first identifying characteristics of the objects or phenomenon and then grouping or ordering the objects. Some action verbs, such as “explain,” “describe,” or “interpret” could be classified at different levels depending on the object of the action. For example, if an item required students to explain how light affects mass by indicating there is a relationship between light and heat, this is considered a Level 2. Interpreting information from a simple graph, requiring reading information from the graph, also is a Level 2. Interpreting information from a complex graph that requires some decisions on what features of the graph need to be considered and how information from the graph can be aggregated is a Level 3. Caution is warranted in interpreting Level 2 as only skills because some reviewers will interpret skills very narrowly, as primarily numerical skills, and such interpretation excludes from this level other skills such as visualization skills and probability skills, which may be more complex simply because they are less common. Other Level 2 activities include explaining the purpose and use of experimental procedures; carrying out experimental procedures; making observations and collecting data; classifying, organizing, and comparing data; and organizing and displaying data in tables, graphs, and charts.

Mathematics Level 3

Level 3 requires reasoning, planning, using evidence, and a higher level of thinking than the previous two levels. In most instances, requiring students to explain their thinking is a Level 3. Activities that require students to make conjectures are also at this level. The cognitive demands at Level 3 are complex and abstract. The complexity does not result from the fact that there are multiple answers, a possibility for both Levels 1 and 2, but because the task requires more demanding reasoning. An activity, however, that has more than one possible answer and requires students to justify the response they give would most likely be a Level 3. Other Level 3 activities include drawing conclusions from observations, citing evidence and developing a logical argument for concepts, explaining phenomena in terms of concepts, and using concepts to solve problems.

Mathematics Level 4

Level 4 requires complex reasoning, planning, developing, and thinking most likely over an extended period of time. The extended time period is not a distinguishing factor if the required

work is only repetitive and does not require applying significant conceptual understanding and higher-order thinking. For example, if a student has to take the water temperature from a river each day for a month and then construct a graph, this would be classified as a Level 2. However, if the student were to conduct a river study that requires taking into consideration a number of variables, this would be a Level 4. At Level 4, the cognitive demands of the task should be high and the work should be very complex. Students should be required to make several connections—relate ideas *within* the content area or *among* content areas—and have to select one approach among many alternatives on how the situation should be solved, in order to be at this highest level. Level 4 activities include designing and conducting experiments, making connections between a finding and related concepts and phenomena, combining and synthesizing ideas into new concepts, and critiquing experimental designs.

Source of Challenge Criterion

Source of Challenge criterion is only used to identify items where the major cognitive demand is inadvertently placed and is other than the targeted language arts skill, concept, or application. Cultural bias or specialized knowledge could be reasons for an item to have a source of challenge problem. Such items' characteristics may cause some students to not answer an assessment item or answer an assessment item incorrectly or at a lower level even though they have the understanding and skills being assessed.

Item Content Review: Prior to field testing, all newly developed test passages/items were submitted to grade level content committees for review. The content committees consisted of Nebraska educators from school districts throughout the state. The primary responsibility of the content committees was to evaluate items with regard to quality and content classification, including grade-level appropriateness, estimated difficulty, depth of knowledge, and source of challenge. They also suggested revisions, if appropriate. The committees also reviewed the items for adherence to the principles of universal design, including language demand and issues of bias, fairness, and sensitivity.

Item review committee members were selected by the Nebraska Department of Education. NDE test development team members facilitated the process. Training was provided by NDE and included how to review items for technical quality and content quality, including depth of knowledge and adherence to principles of universal design. In addition, training included providing committee members with the procedures for item review.

Committee members reviewed the items for quality and content, as well as for the following categories.

- Indicator (standard) Alignment
- Difficulty Level (classified as Low, Medium, or High)
- Depth of Knowledge (classified as Recall, Application, or Strategic Thinking)
- Correct Answer
- Quality of Graphics

- Appropriate Language Demand
- Freedom from Bias (classified as Yes or No)

Committee members were asked to flag items that needed revision and to denote suggested revisions on the flagged item cards.

Security was addressed by adhering to a strict set of procedures. Items in binders did not leave the meeting rooms and were accounted for at the end of each day before attendees were dismissed. All attendees, with the exception of NDE staff, were required to sign a Confidentiality Agreement (Appendix D).

Sensitivity and Bias Review: Prior to field testing items, all newly developed test items were submitted to a Bias and Sensitivity Committee for review. The committee's primary responsibility was to evaluate passages and items as to acceptability with regard to bias and sensitivity issues. They also made recommendations for changes or deletion of items in order to remove the area of concern. The bias/sensitivity committee was composed of Nebraska educators who represented the diversity of students. All committee members were trained by a Nebraska Department of Education test development lead to review items for bias and sensitivity issues using a Fairness in Testing training manual developed by Data Recognition Corporation (Appendix E).

All passages/items were read by all of the respective committee members. Each member noted bias and/or sensitivity comments on a review form. All comments were then compiled and the actions taken on these items were recorded by NDE. Committee members were required to sign a Confidentiality Agreement and strict security measures were in place to ensure that secure materials remained guarded (Appendix D).

2.6 Item Banking

DRC maintains an item bank (IDEAS) that provides a repository of item image, history, statistics, and usage. IDEAS includes a record of all newly created items together with item data from each item field test. It also includes all data from the operational administration of the items. Within IDEAS, DRC will:

- update the Nebraska item bank after each administration;
- update the Nebraska item bank with newly developed items;
- monitor the Nebraska item bank to ensure an appropriate balance of items aligned with content standards, goals, and objectives;
- monitor item history statistics; and
- monitor the Nebraska item bank for an appropriate balance of Depth of Knowledge (DOK) levels.

2.7 The Forms Construction process

The Spring 2010 NeSA-R operational forms were constructed in Lincoln, Nebraska in August, 2009. The forms were constructed by NDE representatives and DRC reading content specialists. Training was provided by DRC for the forms construction process.

Prior to the meeting DRC Test Development reading specialists reviewed the test blueprints to ensure that there was alignment between the items and the indicators, including the number of items per standard for each content-area test.

DRC Psychometricians provided Test Development specialists with an overview of the psychometric guidelines and targets for forms construction. The average target P-value for each reading test was .65. The overall summary of the actual approved P-value and biserial of the forms is provided in the summary table later in this document.

DRC Test Development specialists printed a copy of each item card, with accompanying item characteristics, image, and psychometric data. Test Development specialists verified the accuracy of each item card, making sure that the item image has its correct item characteristics. Test Development specialists carefully reviewed each item card's psychometric data to ensure it is complete and reasonable. The item cards (passages and items) were compiled in binders and sorted by P-values from highest to lowest by passage with associated items.

NDE and DRC also checked to see that each item met technical quality for well-crafted items, including:

- only one correct answer,
- wording that is clear and concise,
- grammatical correctness,
- appropriate item complexity and cognitive demand,
    - appropriate range of difficulty,
    - appropriate depth-of-knowledge alignment,
- aligned with principles of universal design, and
- free of any content that might be offensive, inappropriate, or biased.

NDE representatives and DRC Test Development specialists made initial selection of the passages and items (pull list) to be included on the 2010 operational form. The goal was for the first pull of the items (pull list) to meet the content Table of Specification (TOS) guidelines and psychometric guidelines. As items were selected, the unique item codes were entered into a form building template which contained the item pool with statistics and item characteristics. The template automatically calculated the P-value, biserial, number of items per indicator and standard, number of items per DOK level (1, 2, or 3), and distribution of answer key as items were selected for each grade. As items were selected, the item characteristics (key, DOK, and alignment to indicator) were verified.

Review of the Items and Test Forms: At every stage of the test development process the match of the item to the content standard was reviewed and verified since establishing content validity is one of the most important aspects in the legal defensibility of a test. As a result, it is essential that an item selected for a form link directly to the content curriculum standard and performance standard to which it is measuring. Test development specialists verified all items against their classification codes and item maps, both to evaluate the correctness of the classification and to ensure that the given task measures what it purports to measure.

2.8 Reading Assessment

Test Design: The NeSA-Reading operational test includes operational passages with associated items and one field test passages with associated items. This test was administered online via the test engine developed and managed by Computerized Assessments and Learning (CAL), DRC's online testing partner. One form of the test was also published in a printed test booklet for schools and students unable or unwilling to participate in the online system. Depending on grade, the forms contained 45 to 50 operational items.

Table 2.8.1 Reading 2010 Operational Test

Grade	Total No. of MC Core Items per Form Each Year	No. of Embedded FT Items per Form	Total Items per Form	Total Forms	Total Core Points per Op. Test	Total No. of MC Items Added to the Bank Each Year
3	45	10 (1 pass.)	55	5	45	50
4	45	10	55	5	45	50
5	48	10	58	5	48	50
6	48	10	58	5	48	50
7	48	10	58	5	48	50
8	50	10	60	5	50	50
11	50	10	60	5	50	50

Psychometric Targets: The goal for the operational forms was mean p-values of approximately 0.65 with values restricted to the range of 0.3 to 0.9 and point biserial correlations greater than 0.25, based on the spring, 2009, field test results. However, these targets are secondary to constructing the best test possible. Some compromises were allowed when necessary to best meet the objective of the assessment, to conform to the test specifications, and to operate within the limitations of the item bank.

Equating Design: Spring 2010 was the first operational administration of NeSA-R. The assessment was constructed from passages and related items field tested in spring 2009. While preliminary item parameter estimates were available from the field test, the operational data were used for the final estimates; no equating was necessary.

In addition to the operational passage sets, each student received one randomly selected field test passage with items. The administered passages and 55 to 60 items taken by each student were administered in two testing sessions each intended to be administered in a single class period. The operational passages were administered to the student in a random order, but the field test passage was maintained in a fixed position. Items within a passage were administered in a fixed order for the passage. Equating was accomplished by anchoring on the operational passage items and calibrating the field test items concurrently.

2.9 Mathematics Assessment

This section briefly describes the construction of the NeSA- M field test forms. The main purpose of the 2010 mathematics field test was to collect data for item screening and parameter calibration. This is critical to ensuring a large item pool from which operational forms can be constructed. Errors in the field test form-construction phase can result in a depleted item pool or a mis-estimation of item parameters that perpetuates throughout the form-construction process.

Forms Assembly: The field test forms were constructed from the items in the field test item pool. Items from this pool were selected to meet the requirements described in the test specifications. Subject to the constraints of the pool, the forms were constructed according to the accepted standards of content balance and difficulty with the intent that the forms be as parallel as practical.

Table 2.9.1 Mathematics Standalone Field Test (2010)

Grade	Total Items per Form	Total No. of FT Forms	Total No. of FT Items
3	48	5	207
4	60	4	240
5	60	4	240
6	60	4	240
7	60	4	240
8	60	4	240
11	60	4	240

Form Approval Meeting: The 2010 mathematics stand-alone field test items and forms were reviewed and approved by the NDE staff in collaboration with DRC mathematics content specialists and project lead in August or 2009, in Lincoln, Nebraska. The items were reviewed for technical quality, alignment to indicator, and adherence to style guide formats.

Equating Design: The field tests were administered online with each student receiving a random selection of items administered in a random order. This process ensures a randomly equivalent sample receiving each item and permits the concurrent calibration of all items. The result is a common calibration and equated item difficulties for all field test items.

3. Reading Operational Assessment

3.1 Rasch Calibration and Equating

Calibration of NeSA was accomplished with Winsteps version 3.69.1. This provided the final estimates of the item logit difficulties for the reading operational items. These estimates were the basis for the standard setting and scale definition to be used throughout the duration of the program. The first calibration run was for the operational items only. Once the difficulties for the operational items were obtained, they were used as *anchors* to equate the field test items to the operational metric. Technically, this was accomplished by using the anchor difficulties to define the metric and obtain estimates only for the unanchored (field test) items in that metric. The results are estimated difficulties relative to the anchors and are, hence, equated.

For NeSA-M, a single concurrent calibration of all items provided preliminary equated estimates of item parameters for purposes of form construction.

An overview of Rasch Measurement Models is provided in Appendix F as well as in several of the references (see, for example, Wright & Stone, 1979).

3.2 Validity and Reliability

Items: For criterion-referenced, standards-based assessment the strongest validity evidence arises from the test construction process and the item scaling. The item development and test construction process, described above, ensures that every item aligns directly to one of the content standards. This alignment is foremost in the minds of the item writers and editors. As a routine part of item selection prior to an item appearing on a test form, the review committees check the alignment of the items with the standards and make any adjustments necessary. The result is consensus among the content specialists and teachers that the assessment does in fact assess what was intended.

The empirical item scaling, which indicates where each item falls on the logit ability-difficulty continuum, should be consistent with what theory suggests about the items. Items that require more knowledge, more advanced skills, and more complex behaviors should be more difficult than those requiring less. Evidence of this agreement is contained in the item summary tables in Appendix G and H, as well as the success of the Bookmark standard setting process (Lewis, Mitzel, & Green, 1996). Panelists in the Bookmark work from an item booklet in which items are ordered by their empirical difficulties. Discussions about placement of the bookmarks almost invariably focus on the knowledge, skills, and behaviors required of each item, and, overall, panelists were comfortable with the item ordering and spacing.

Items Analyses: Traditional item analysis is a straightforward approach to examining the quality of the items that is rooted in true score theory. Although these are sample-specific statistics, they are entirely adequate for assessing the effectiveness of items. The statistics provide information about the

quality of the items based on student responses in an operational setting. The following sections provide descriptions of the item summary statistics found in Appendices G and N.

Item Difficulty: (*p-value*) is the percent of examinees in the sample who answered the item correctly. Acceptable *p*-values generally include the range of 0.30 to 0.90. Mathematically, information is maximized, and standard errors minimized, when the *p*-value equals 0.5. Experience suggests that multiple choice items are effective when the student is more likely to succeed than fail and it is important to include a range of difficulties matching the distribution of student abilities (Wright & Stone, 1979). Occasionally, items that fall outside the desired range can be justified for inclusion when the educational importance of the item content or the desire to measure students with very high or low achievement override the statistical considerations.

Table 3.2.1: Summary of Traditional Item Percent Correct for NeSA-R Operational Items

	Item Percent Correct										
Grade	<=0.1	<=0.2	<=0.3	<=0.4	<=0.5	<=0.6	<=0.7	<=0.8	<=0.9	>0.9	Total
3	0	0	0	0	2	4	10	15	13	1	45
4	0	0	0	0	4	5	5	18	12	1	45
5	0	0	0	2	3	7	9	13	9	5	48
6	0	0	0	0	2	4	11	20	7	4	48
7	0	0	0	1	3	11	10	12	8	3	48
8	0	0	0	1	3	8	12	15	9	2	50
11	0	0	1	1	3	8	12	12	11	2	50

Percent selecting each response option indicates the effectiveness of each distractor. In general, one expects the correct response to be the most attractive, although this need not hold for unusually challenging items. This statistic for the correct response option is identical to the *p*-value when considering multiple-choice items.

Item-total correlation describes the relationship between performance on the specific item and performance on the entire form. For an item analysis, total test score is the best available indicator of proficiency; individual items are considered valid if success on the total test correlates with success on the item. For multiple-choice items, this is called the *point biserial correlation,* which can be computed conveniently as the Pearson product moment correlation for the keyed correct response, sometimes referred to as an *index of discrimination*. Items with negative values are flagged and referred to Test Development as possible mis-keys. Items with negative correlations can also indicate serious problems with the item content, structure, or students' opportunity to learn. Items with point biserial values of less than 0.2 were flagged and referred to content specialists for review before being considered for use on future forms.

Table 3.2.2 Summary of Point Biserial Correlations

	Item Point Biserial Correlation							
Grade	<=0.1	<=0.2	<=0.3	<=0.4	<=0.5	<=0.6	>0.6	Total
3	0	1	3	18	22	1	0	45
4	0	3	3	21	17	1	0	45
5	0	3	8	25	9	3	0	48
6	0	3	4	25	14	2	0	48
7	1	2	10	22	13	0	0	48
8	0	2	11	24	12	1	0	50
11	1	3	11	19	14	2	0	50

Point-biserial correlations of response options describe the relationship between selecting a response option for a specific item and performance on the entire test. They can be interpreted as the standardized mean score for examinees selecting this response. Typically, the correlation between an incorrect answer and total test performance should be negative. The desired pattern is strong positive values for the correct option and strong negative values for the incorrect options. Any other pattern indicates a problem with the item or with the key. These patterns would imply a high ability way to answer incorrectly or a low ability way to answer correctly. Examples of these situations could be an item with an ambiguous or misleading distractor that was attractive to high performing examinees or an item that depended on experience from outside instruction that was unrelated to ability.

This statistic for the correct option is identical to the item-total correlation for multiple-choice items.

Percent of students omitting an item is useful for identifying problems with testing time and test layout. When the pattern of omits increases at the end of a timed section, there may not have been sufficient time for students to complete all items. Alternatively, if the omit percentage is large for a single item, it could indicate a problem with the layout or content of an item. For example, students frequently skip items with wordy stems or that otherwise appear difficult or time consuming. While there is no hard and fast rule for what *large* means, and it varies with groups and ages of students, five percent is often used as a preliminary screening value.

Detailed results of the item analyses for the NeSA-R operational items are presented in Appendices G and N. Based on these analyses, items were selected for review if the *p*-value was less than 0.25 and the *item-total correlation* was less than 0.2. Items were identified as probable mis-keys if the *p*-value for the correct response was less than any of the incorrect responses and the *item-total correlation* was negative. No items on the NeSA-R were miskeyed.

Differential item functioning (DIF) is defined as an item for which the likelihood of success is influenced by group membership. Operationally, this is computed as the difference in the likelihood of

success for examinees with the same level of proficiency but who were members of different sub-groups. DIF can occur if the item involves factors that differentially advantage or disadvantage specific groups of students. Items exhibiting DIF were referred to content specialists to determine possible bias.

Within the context of the Rasch measurement models, DIF is a direct violation of the model requirements that the probability of success depends only on item difficulty and person ability. Hence, DIF analysis is a natural consequence of Rasch analysis. The Winsteps software was used to compute DIF statistics that directly compare group performance on the items after adjusting for any differences in the ability distributions of the examinees. Items with DIF codes of C (significance level less than 0.01) or B (significance level less than 0.1) were flagged for review by content and bias specialists, with emphasis on items that disadvantage the focal group. The level depends on the magnitude of the discrepancy between the groups of interest and the likelihood it could arise by chance. Large group sizes and equal numbers result in a very sensitive test. Table 3.2.3 shows a summary of the DIF statistics. The plus and minus codes on the B and C indicates which group is favored. Plus means the focal group was favored. Detailed analyses are included in appendix I.

Table 3.2.3: Summary of Differential Item Functioning by Code

Grade 3	A	B+	B-	C+	C-	Total Items
Female	45	0	0	0	0	45
Native American	42	1	2	0	0	45
Asian	41	1	3	0	0	45
Black	44	1	0	0	0	45
Hispanic	43	0	2	0	0	45

Grade 4	A	B+	B-	C+	C-	Total Items
Female	43	1	1	0	0	45
Native American	43	1	1	0	0	45
Asian	41	2	1	0	1	45
Black	44	0	1	0	0	45
Hispanic	43	1	1	0	0	45

Grade 5	A	B+	B-	C+	C-	Total Items
Female	47	0	1	0	0	48
Native American	47	0	1	0	0	48
Asian	39	3	5	0	1	48
Black	47	0	1	0	0	48
Hispanic	44	0	3	0	1	48

Grade 6	A	B+	B-	C+	C-	Total Items
Female	48	0	0	0	0	48
Native American	46	0	2	0	0	48
Asian	46	0	2	0	0	48
Black	47	0	1	0	0	48
Hispanic	48	0	0	0	0	48

Grade 7	A	B+	B-	C+	C-	Total Items
Female	47	0	1	0	0	48
Native American	48	0	0	0	0	48
Asian	43	1	3	0	1	48
Black	48	0	0	0	0	48
Hispanic	47	1	0	0	0	48

Grade 8	A	B+	B-	C+	C-	Total Items
Female	48	1	1	0	0	50
Native American	49	1	0	0	0	50
Asian	49	0	1	0	0	50
Black	49	0	1	0	0	50
Hispanic	49	0	1	0	0	50

Grade 11	A	B+	B-	C+	C-	Total Items
Female	43	3	4	0	0	50
Native American	47	0	3	0	0	50
Asian	45	3	1	0	1	50
Black	48	1	1	0	0	50
Hispanic	48	1	1	0	0	50

Forms Performance Summary: The NeSA-R operational forms contained five passages for all grades and a total of 45 to 50 items depending on the grade as shown in Table 1.4.1. The passages were administered online in a random order with the items in a fixed order within each passage. The means of the percents correct and traditional form reliabilities are shown in Table 3.2.4. More detail on the performance of the forms is given in Appendix K.

Table 3.2.4: 2010 NeSA-Reading Form Summary

Grade	Mean Percent Correct	Form Reliability
3	72.0%	0.86
4	72.4%	0.84
5	71.3%	0.85
6	73.1%	0.85
7	69.0%	0.85
8	70.4%	0.86
11	69.2%	0.86

State Performance Summary: Complete frequency distributions for the NeSA-R are provided in Appendix L along with the raw-to-scale score conversion tables. A simple summary of the distributions can be found in Table 3.2.5. While the distribution appears consistent across grades, there was no attempt at longitudinal equating beyond the articulation of the performance level definitions done in conjunction with standard setting. This is described briefly in Section 2.3 and in detail in the separate NeSA-R Standard Setting Technical Report for Spring 2010.

Table 3.2.5: 2010 NeSA-Reading State Scale Score Summary, All Students

Grade	Count	Scale Score		Quartile		
		Mean	S.D.	First	Second	Third
3	21553	100.9	36.4	75	98	121
4	21185	103.7	41.2	76	102	132
5	20751	100.9	41.6	72	98	126
6	20486	101.2	41.3	73	102	125
7	20387	104.2	39.4	75	103	127
8	20400	102.4	37.9	77	104	128
11	20542	100.9	39.8	73	101	127

Between 15% and 19% of students took the assessment in the paper-based version with the lower percentages occurring in middle schools. Table 3.2.6 provides counts of the numbers tested in each mode and the percent testing with paper.

Table 3.2.6: 2010 NeSA-Reading Number of Students Tested

Grade	Total	Online	Paper	Percent Paper
3	21553	17675	3878	18%
4	21185	17227	3958	19%
5	20751	17096	3655	18%
6	20486	17120	3363	16%
7	20387	17287	3100	15%
8	20400	17240	3160	15%
11	20542	17041	3501	17%

Decision Consistency: In a standards-based testing program, there is great interest in how accurately students are classified into achievement categories. Decision consistency answers the question: What is the agreement between the classifications based on two non-overlapping, equally difficult forms of the test (Huynh, 1976). If two equivalent forms were given to the same students, the consistency of the measure would be reflected by the extent that the classification decisions made from the first set of test scores matched the decisions based on the second set of test scores. In contrast to Coefficient Alpha, which describes the relative ordering of students, it is the actual student scores that are important in decision consistency.

Table 3.2.7. Pseudo-Decision Table for Two Hypothetical Categories

		TEST ONE		
		LEVEL I	LEVEL II	MARGINAL
TEST TWO	LEVEL I	φ_{11}	φ_{12}	$\varphi_{1\bullet}$
	LEVEL II	φ_{21}	φ_{22}	$\varphi_{2\bullet}$
	MARGINAL	$\varphi_{\bullet 1}$	$\varphi_{\bullet 2}$	1

Table 3.2.8. Pseudo-Decision Table for Four Hypothetical Categories

TEST TWO	TEST ONE: LEVEL I	LEVEL II	LEVEL III	LEVEL IV	MARGINAL
LEVEL I	φ_{11}	φ_{12}	φ_{13}	φ_{14}	$\varphi_{1\bullet}$
LEVEL II	φ_{21}	φ_{22}	φ_{23}	φ_{24}	$\varphi_{2\bullet}$
LEVEL III	φ_{31}	φ_{32}	φ_{33}	φ_{34}	$\varphi_{3\bullet}$
LEVEL IV	φ_{41}	φ_{42}	φ_{43}	φ_{44}	$\varphi_{4\bullet}$
MARGINAL	$\varphi_{\bullet 1}$	$\varphi_{\bullet 2}$	$\varphi_{\bullet 3}$	$\varphi_{\bullet 4}$	1

If a student is classified as being in one category based on Test One's score, how probable would it be that the student would be classified in the same category based on Test Two?

The proportions of correct decisions, φ for two and four categories are computed by the following two formulas, respectively:

$$\varphi = \varphi_{11} + \varphi_{22}$$

$$\varphi = \varphi_{11} + \varphi_{22} + \varphi_{33} + \varphi_{44.}$$

It is the proportion of students classified by the two forms into exactly the same achievement level that represents the overall consistency.

Since it is not possible to retest in order to estimate the proportion of students who would be reclassified in the same performance levels, a statistical model needs to be imposed on the data in order to project the consistency of classifications solely using data from the available administration (Hambleton & Novick, 1973). Although a number of procedures are available, two well-known methods were developed by Hanson and Brennan (1990) and Livingston and Lewis (1995) utilizing specific True Score Models.

Further Interpretations

Several factors might affect decision consistency. One important factor is the reliability of the scores. All other things being equal, more reliable test scores tend to result in more similar reclassifications. Another factor is the location of the cutscore in the score distribution. More consistent classifications are observed when the cutscores are located away from the mass of the score distribution. The number of performance levels is also a consideration. Consistency indices for four performance levels should be lower than those based on two categories because classification using four levels would allow more opportunity to change achievement levels. Finally, some research has found that results from the Hanson and Brennan (1990) method on a dichotomized version of a complex assessment yields similar

results to the Livingston and Lewis method (1995) and the method by Smith and Stearns (Stearns & Smith, 2007).

RESULTS AND OBSERVATIONS

Across all grades, the overall decision consistencies were around 0.9, with only trivial differences between the algorithms. Consistency around the Exceeds the Standards cut score tended to be lower than around the Meets the Standards cut score, reflecting the higher standard errors for the more extreme scores. The table below provides the results for each grade and cut score for both algorithms. The table also distinguishes between Decision Consistency and Decision Accuracy, which is similar to the distinction between reliability and validity.

Decision Consistency: *What is the degree of agreement between two classifications based on non-overlapping, equally difficult forms of the test?* This is the agreement between two independent, observable but imperfect classification decisions. It is analogous to test-retest reliability. It is an index of how consistent the classification would be if the student could be tested again without contamination from the first testing. Both classifications would involve measurement error.

Decision Accuracy: *How does the actual classification, based on their single-form scores, agree with the classification that would be made on the basis of their true scores?* This is the agreement between the observed classification and the unobservable *true* classification. While the observed classification would involve measurement error, the *true* classification would not, if it were possible to know it.

Table 3.2.9 NeSA-R Decision Consistency Results

Content Area	Grade	Livingston & Lewis				Hanson & Brennan			
		Decision Accuracy		Decision Consistency		Decision Accuracy		Decision Consistency	
		Proficient	Advanced	Proficient	Advanced	Proficient	Advanced	Proficient	Advanced
Reading	3	0.92	0.91	0.89	0.87	0.92	0.91	0.89	0.88
	4	0.92	0.89	0.88	0.85	0.92	0.89	0.89	0.86
	5	0.91	0.90	0.87	0.86	0.91	0.90	0.88	0.87
	6	0.92	0.88	0.88	0.84	0.92	0.88	0.89	0.85
	7	0.92	0.90	0.88	0.86	0.92	0.90	0.88	0.86
	8	0.92	0.89	0.89	0.85	0.92	0.90	0.89	0.86
	11	0.91	0.90	0.88	0.86	0.91	0.90	0.88	0.86

3.3 Setting Performance Standards

Academic Performance Standards for the NeSA-R were developed through a series of meetings and a two track process. Early in 2010, a meeting of policymakers and other stakeholders was convened to obtain input on the performance standards and the process. Prior to the operational administration, a teacher survey was conducted to obtain estimates of appropriate cut scores using the student-based

Contrasting Groups method (Cizek & Bunch, 2007). After the operational administration, an item-based Bookmark method was used as the preferred approach to establish cut scores. The final decision about cut scores for the performance standards was made by the State Board of Education, July 7-8, 2010. The performance standards (commonly called *performance levels*) are used to monitor the *No Child Left Behind* (NCLB) Adequate Yearly Progress (AYP) proficiency goals, which require annual progress in the percents of students falling into a proficient or above performance level category. The performance levels will be utilized by local, state, and federal accountability programs and for reporting of student level results. A copy of the PLD's can be found in Appendix L.

A meeting to set the performance level cut scores for grades 3 through 8 and 11 in reading for the Nebraska Student Assessment (NeSA-R) was held on June 28-30, 2010 in Lincoln, Nebraska. The purpose was to recommend the cut scores that will be used to assign each student to one of three performance levels: Below the Standards, Meets the Standards, or Exceeds the Standards. One hundred and one educational specialists and stakeholders from Nebraska participated in the meetings. Committee members were selected to represent grades 3 through 8, high school, and higher education. The standard setting method known as the Bookmark procedure (Lewis, Mitzel, & Green, 1996) was employed. This approach was augmented by a Contrasting Groups survey of Nebraska teachers conducted shortly before the spring operational NeSA-R administration.

The Bookmark method is an *item-based* method that asks panelists to determine which items, presented in difficulty order, can be successfully answered (67% likelihood) by students at the performance level boundaries. Contrasting Groups is a *student-based* method that asks teachers to rate the performance level of students that they know personally without considering the assessment per se. The success of either approach requires a shared understanding of what is required at each level. This shared understanding is expressed in Performance Level Descriptors (PLD's).

The item-based Bookmark method was designated the method of record, but panelists at the meetings were shown the results of the Constrasting Groups survey before the third round of deliberation. They were also shown impact data in two forms: percent of spring operational students in each performance level based on their preliminary cut scores, and results from NAEP (National Assessment of Educational Progress) and ACT college entrance exam for relevant grades.

The State Board of Education (SBE) reviewed the results from both the Bookmark and Contrasting Groups studies. DRC also presented the option of the simple, unweighted averaging of the logit cuts from the two studies. The average was computed in the logit metric and translated into percent of students in category. The percent in categories was not the statistic of focus; these were calculated after the logit cuts were determined.

Two notable adjustments were made to this option to arrive at the final cut scores:

1) Grade 8 was adjusted in "Exceeds the Standards" from 27.4 percent to 22.2 percent to more closely match the other grades, and,
2) All grades except grade 7 were adjusted to allow more *Below the Standards* students in the category and correspondingly fewer students in the *Meets the Standards* category.

The final SBE approved cut scores and the percent of spring 2010 students expected to be in each performance level are shown in Table 3.3.1. Psychometrically, cut scores are defined in a logit metric, which are transformed percent correct scores. Logits are preferable to percent correct because they are not tied to a specific test form and so will not change from year to year. This ensures a consistent definition of the performance levels even if forms vary somewhat in difficulty.

Table 3.3.1 includes the logit cut scores, the 2010 Raw Score ranges for each performance level, and the percent of spring 2010 students falling in each level. The logit and Scale values will not change in the future, but the raw score ranges will shift slightly to reflect any variation in item and form difficulty. The percent of students in each level is also expected to change to reflect improvement in student proficiency. Detailed documentation of the standard setting process is located in the separate report NeSA-R Standard Setting Technical Report for Spring 2010.

Table 3.3.1: Logit and 2010 Raw Score Cutpoints for NeSA-R

	Logit Cut Points		2010 Raw Score Ranges by Performance Level			2010 Percent in Each Performance Level		
Grade	B/M	M/E	Below	Meets	Exceeds	Below	Meets	Exceeds
3	-0.5168	1.2340	0 to 29	30 to 40	41 to 45	32.5	47.4	20.1
4	-0.5117	0.8591	0 to 29	30 to 39	40 to 45	30.5	48.1	21.4
5	-0.4122	0.8560	0 to 31	32 to 41	42 to 48	32.6	48.2	19.2
6	-0.4331	0.8924	0 to 32	33 to 42	43 to 48	31.8	48.6	19.6
7	-0.5104	0.7855	0 to 29	30 to 40	41 to 48	31.0	48.0	21.0
8	-0.4812	0.8712	0 to 32	32 to 42	43 to 50	29.6	48.1	22.2
11	-0.4103	0.8508	0 to 31	32 to 42	43 to 50	31.5	50.3	18.2

3.4 Scale Score Metric

Defining the scale score metric is an important, albeit arbitrary, step. Mathematically, scale scores are a linear transformation of the logit scores and thus do not alter the relationships or the displays. Scale scores simply provide more user-friendly terms for the scales. This is not meant to minimize the practical importance of this step because these are the numbers that will be reported to describe the performance of the students, schools, and systems. They will define the ranges of the performance levels, appear on individual student reports and school accountability analyses, and be dissected in

newspaper accounts. Appendix M contains the detailed raw score to scale score conversion tables that were used to assign Scale Scores to students based on the total number correct scores from the NeSA-R for 2010. Because the relationship between raw and scale scores depends on the difficulties of the specific items on the form, these tables will be redone for every operational form.

There are two primary considerations when establishing the metric:

- Multiply the logit by a value large enough to make decimal points unnecessary for student scores, and
- Shift the scale enough to avoid negative values for the Scales Scores.

The scale chosen for all grades of the NeSA will range from 0 to 200. The value of 0 is reserved for students who were not tested or otherwise invalidated. Any student who attempted the test will receive a Scale Score equal to 1 even if the student gave no correct responses. No student tested will receive a Scale Score higher than 200 or lower than 1 even if this requires constraining the Scale Score calculation. It is possible that a future form will be easy enough that the upper limit of 200 is not invoked even for a perfect paper or could be difficult enough that the lower limit is not invoked.

As part of its deliberations concerning defining the performance levels, the State Board of Education specified that the *Meets the Standards* performance level have a Scale Score of 85 and that the *Exceeds the Standards* level have a Scale Score of 135. Together with the logit standards adopted by the SBE, this is sufficient to define the final Scale Score Metric.

To ensure proper rounding on all future forms, the calculations used 84.501 and 134.501 as the Scale Score performance standards. The arithmetic was done using logits rounded to four decimals and the final constants for the slope and intercept of the transformation were rounded to five. Scale Scores are rounded to whole numbers. Otherwise the calculation is straightforward:

The transformation to Scales Scores is:

1. SS = $a + b$ * logit where
2. $b = \frac{134.501-84.501}{x_E - x_M}$ where x_E is the logit for *Exceeds Standards* and x_M is the logit for *Meets Standards*.
3. $a = 84.501 - bx_M$ or $a = 134.501 - bx_E$.

Calculations of the slopes and intercepts for all grades of the NeSA-R Scale Score conversion are given in Table 3.4.1, and the Raw-to-Scale conversions are given in Appendix M.

Table 3.4.1: Conversion of Logits to Scale Scores

	Logit Cut Points		Scale Score Ranges by Performance Level			Conversion	
Grade	B/M	M/E	Below	Meets	Exceeds	Slope b	Intercept a
3	-0.5168	1.2340	1 to 84	85-134	135 to 200	28.55837	99.25997
4	-0.5117	0.8591	1 to 84	85-134	135 to 200	36.47505	103.16528
5	-0.4122	0.8560	1 to 84	85-134	135 to 200	39.42751	100.75302
6	-0.4331	0.8924	1 to 84	85-134	135 to 200	37.72161	100.83823
7	-0.5104	0.7855	1 to 84	85-134	135 to 200	38.58471	104.19271
8	-0.4812	0.8712	1 to 84	85-134	135 to 200	36.97131	102.29159
11	-0.4103	0.8508	1 to 84	85-134	135 to 200	39.64793	100.76854

4. Reading Embedded Field Test

4.1 Psychometric Summary

Traditional Item Statistics: The statistics computed are defined in detail in Section 3.1 above and traditional statistics for each NeSA-R field test item are in Appendix G and I. The tables below provide summaries of the distributions of item percents correct, point biserial correlations, and differential item functioning codes.

Table 4.1.1: Summary of Traditional Item Statistics for NeSA-R Field Test Items

	Item Percent Correct										
Grade	<=0.1	<=0.2	<=0.3	<=0.4	<=0.5	<=0.6	<=0.7	<=0.8	<=0.9	>0.9	Total
3	0	0	2	6	10	7	9	11	5	0	50
4	0	1	1	2	5	6	14	11	9	1	50
5	0	0	1	4	8	6	9	10	9	3	50
6	0	1	1	3	7	6	6	12	10	4	50
7	0	1	2	5	7	8	12	9	6	0	50
8	0	1	0	3	4	12	9	12	7	2	50
11	0	0	3	3	6	12	8	12	5	1	50

	Item Point Biserial Correlation							
Grade	<=0.1	<=0.2	<=0.3	<=0.4	<=0.5	<=0.6	>0.6	Total
3	2	8	13	11	13	3	0	50
4	1	5	13	18	13	0	0	50
5	2	3	10	23	10	2	0	50
6	3	3	13	15	14	2	0	50
7	2	5	7	20	13	3	0	50
8	3	2	8	20	15	2	0	50
11	4	7	8	18	13	0	0	50

Differential Item Functioning (DIF): The differential item function statistics are defined in detail in Section 3.1 above, and item statistics are included in Appendix I. The NA indicates cells where the sample size was too small to be meaningful.

Table 4.1.2: Summary of Differential Item Functioning by Code for NeSA-R Field Test

Grade 3	A	B+	B-	C+	C-	Total Items
Female	49	1	0	0	0	50
Native American	9	0	1	0	0	10
Asian	NA	NA	NA	NA	NA	NA
Black	50	0	0	0	0	50
Hispanic	49	0	1	0	0	50

Grade 4	A	B+	B-	C+	C-	Total Items
Female	48	0	2	0	0	50
Native American	NA	NA	NA	NA	NA	NA
Asian	NA	NA	NA	NA	NA	NA
Black	38	0	11	0	1	50
Hispanic	41	0	5	0	4	50

Grade 5	A	B+	B-	C+	C-	Total Items
Female	49	0	1	0	0	50
Native American	NA	NA	NA	NA	NA	NA
Asian	NA	NA	NA	NA	NA	NA
Black	43	0	6	0	1	50
Hispanic	49	1	0	0	0	50

Grade 6	A	B+	B-	C+	C-	Total Items
Female	47	1	1	1	0	50
Native American	NA	NA	NA	NA	NA	NA
Asian	NA	NA	NA	NA	NA	NA
Black	41	0	8	0	1	50
Hispanic	47	0	2	0	1	50

Grade 7	A	B+	B-	C+	C-	Total Items
Female	47	1	2	0	0	50
Native American	NA	NA	NA	NA	NA	NA
Asian	NA	NA	NA	NA	NA	NA
Black	43	1	6	0	0	50
Hispanic	46	0	4	0	0	50

Grade 8	A	B+	B-	C+	C-	Total Items
Female	48	0	2	0	0	50
Native American	NA	NA	NA	NA	NA	NA
Asian	NA	NA	NA	NA	NA	NA
Black	42	0	6	0	2	50
Hispanic	40	0	7	0	3	50

Grade 11	A	B+	B-	C+	C-	Total Items
Female	45	1	2	0	2	50
Native American	NA	NA	NA	NA	NA	NA
Asian	NA	NA	NA	NA	NA	NA
Black	37	0	3	0	0	40
Hispanic	41	0	8	0	1	50

5. Mathematics Stand-Alone Field Test

5.1 Sampling Design

Schools were recruited to participate in the online mathematics field test. Every attempt was made to obtain a sample representative of the state covering all regions, ethnic-cultural groups, and district and school types. Psychometrically, any issues related to the students actually tested are mitigated by the use of the Rasch measurement model, which conditions out the influence of the ability distribution. However, it is still important to reflect the diversity of the state in the sample, both to foster acceptance of the assessment and to ensure the robustness of the measurement model.

For the NeSA-R, the sample is also representative of the state. Specifics of the NeSA-M sample are provided in Table 1.6.1.

Table 5.1.1: Demographic Comparison of NeSA-R Field Test Schools

	Non-white		Free and Reduced Lunch		Special Education	
Grade	Online	Paper	Online	Paper	Online	Paper
3	24.7%	24.7%	44.8%	48.7%	15.9%	18.6%
4	24.3%	26.0%	45.4%	47.8%	17.2%	18.7%
5	25.0%	26.2%	44.5%	45.3%	17.3%	15.3%
6	23.6%	16.2%	42.6%	43.4%	15.9%	15.6%
7	20.4%	21.5%	38.5%	39.8%	13.4%	14.2%
8	18.7%	22.6%	36.7%	39.2%	13.5%	10.7%
11	17.7%	15.7%	32.1%	33.8%	11.5%	16.4%

5.2 Psychometric Summary

Traditional Item Statistics: The statistics computed are defined in detail in Section 3.1 above, and traditional statistics for each NeSA-M field test item are in Appendix H, J and O. The tables below provide summaries of the distributions of item percents correct, point biserial correlations, and differential item functioning codes.

Table 5.2.1: Summary of Traditional Item Statistics for NeSA-M Field Test Items

	Item Percent Correct										
Grade	<=0.1	<=0.2	<=0.3	<=0.4	<=0.5	<=0.6	<=0.7	<=0.8	<=0.9	>0.9	Total
3	1	0	3	16	13	32	38	50	49	5	207
4	0	3	7	26	38	29	46	44	39	8	240
5	0	0	13	30	33	33	44	52	33	2	240
6	2	1	9	31	38	48	45	35	28	3	240
7	2	6	20	39	42	42	42	31	13	3	240
8	1	4	25	38	48	35	41	28	17	3	240
11	1	14	28	51	51	56	28	8	3	0	240

	Item Point Biserial Correlation							
Grade	<=0.1	<=0.2	<=0.3	<=0.4	<=0.5	<=0.6	>0.6	Total
3	0	7	19	78	83	20	0	207
4	0	6	21	95	101	17	0	240
5	5	8	28	69	94	34	2	240
6	1	6	21	83	92	37	0	240
7	4	7	35	88	89	17	0	240
8	3	13	27	71	96	30	0	240
11	6	15	36	52	96	35	0	240

Differential Item Functioning (DIF): The differential item function statistics are defined in detail in Section 3.1 above, and item statistics are included in Appendix J. The NA indicates cells where the sample size was too small to be meaningful.

Table 5.2.2: Summary of Differential Item Functioning by Code for NeSA-M Field Test

Grade 3	A	B+	B-	C+	C-	Total Items
Female	202	1	4	0	0	207
Native American	NA	NA	NA	NA	NA	NA
Asian	NA	NA	NA	NA	NA	NA
Black	178	7	11	2	9	207
Hispanic	195	8	3	0	1	207

Grade 4	A	B+	B-	C+	C-	Total Items
Female	231	5	4	0	0	240
Native American	NA	NA	NA	NA	NA	NA
Asian	NA	NA	NA	NA	NA	NA
Black	202	10	19	7	2	240
Hispanic	219	6	9	3	3	240

Grade 5	A	B+	B-	C+	C-	Total Items
Female	227	3	7	0	3	240
Native American	NA	NA	NA	NA	NA	NA
Asian	NA	NA	NA	NA	NA	NA
Black	210	11	9	4	6	240
Hispanic	225	7	8	0	0	240

Grade 6	A	B+	B-	C+	C-	Total Items
Female	233	0	5	0	2	240
Native American	NA	NA	NA	NA	NA	NA
Asian	NA	NA	NA	NA	NA	NA
Black	208	9	17	3	3	240
Hispanic	226	4	7	1	2	240

Grade 7	A	B+	B-	C+	C-	Total Items
Female	229	3	8	0	0	240
Native American	NA	NA	NA	NA	NA	NA
Asian	NA	NA	NA	NA	NA	NA
Black	100	8	9	2	1	120
Hispanic	233	1	6	0	0	240

Grade 8	A	B+	B-	C+	C-	Total Items
Female	228	1	9	1	1	240
Native American	NA	NA	NA	NA	NA	NA
Asian	NA	NA	NA	NA	NA	NA
Black	137	24	12	2	5	180
Hispanic	229	2	7	1	1	240

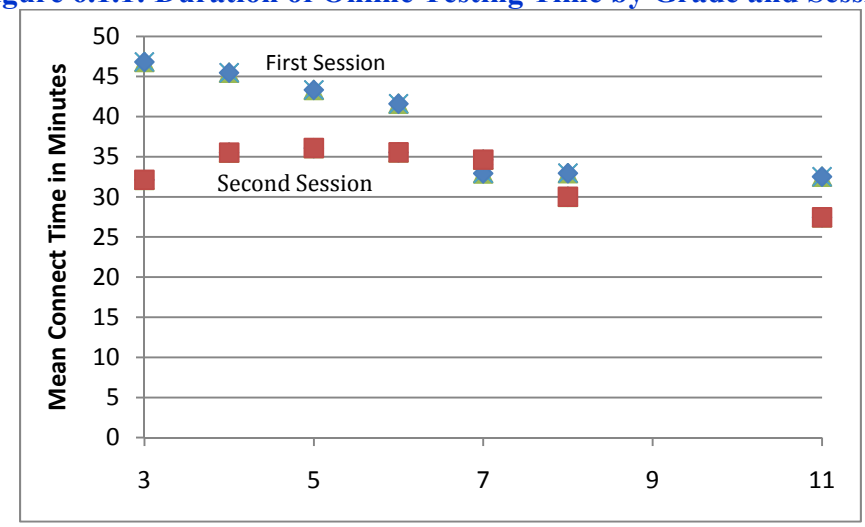
Grade 11	A	B+	B-	C+	C-	Total Items
Female	222	7	7	2	2	240
Native American	NA	NA	NA	NA	NA	NA
Asian	NA	NA	NA	NA	NA	NA
Black	NA	NA	NA	NA	NA	NA
Hispanic	218	16	2	2	2	240

6. Online Testing Times

Figure 6.1.1 contains a breakout of testing times from the 2010 NeSA-R assessment. The data (see Table 6.1.1) were compiled based on students who had a *single login, a single logout,* and *responded to all the items.*

In general, more time was spent on the first session and decreased with grade. There was little difference between sessions for grade 7 and above.

Figure 6.1.1: Duration of Online Testing Time by Grade and Session



One observation of note is that there were students who answered every item in less than five minutes. The very short times are primarily for upper grades, second session. The outliers on the other end, greater than 120 minutes, are also interesting because these data do not include students who *paused out*, had the test end due to inactivity, or were reactivated. It appears that they were actively involved with the test for the full time between the login and logout, but it raises the question of how fully engaged those students may have been for that amount of time. This occurs primarily in the lower grades in the first session. The exception is grade 8, second session.

Table 6.1.1: Duration of Online Testing Sessions

Grade	3		4		5		6		7		8		11	
Session	1	2	1	2	1	2	1	2	1	2	1	2	1	2
<5	3	3	0	0	0	0	0	0	0	8	4	9	4	16
5-10	0	15	2	8	0	2	1	7	12	33	10	38	21	64
10-15	13	177	6	66	4	51	9	71	60	115	77	195	60	200
15-20	55	753	52	413	61	352	71	323	406	348	405	840	291	683
20-25	269	1456	256	1120	328	1054	349	941	1155	877	1321	1848	779	1321
25-30	540	1781	658	1427	787	1544	921	1411	1777	1546	1944	2142	1199	**1364**
30-35	920	**1367**	965	1258	1317	1605	1154	1306	**1552**	**1550**	**1813**	**1456**	**1189**	912
35-40	1119	956	1085	**1070**	1320	**1191**	1200	**963**	1045	1250	1201	765	827	377
40-45	1126	628	1041	775	**1237**	832	**957**	639	645	766	596	444	446	178
45-50	**1004**	427	**848**	555	934	548	719	421	317	451	339	302	206	100
50-55	761	256	673	344	750	418	493	244	223	282	187	155	104	42
55-60	557	161	550	242	445	247	328	176	125	182	178	92	65	25
60-65	487	98	361	133	329	174	224	116	76	105	128	56	39	21
65-70	312	68	240	80	192	108	140	66	29	65	52	24	28	8
70-75	195	41	146	56	131	68	75	33	29	29	26	25	15	8
75-80	165	20	114	29	80	32	52	44	19	18	23	11	8	6
80-85	105	8	66	23	64	17	41	25	5	12	7	14	7	0
85-90	61	6	61	16	45	16	56	23	4	7	8	4	4	5
90-95	37	2	30	13	17	10	15	16	7	8	4	0	7	4
95-100	31	1	32	11	17	6	24	18	1	9	1	4	1	2
100-105	18	2	14	4	12	6	17	12	2	4	4	2	2	3
105-110	19	0	13	3	5	6	9	18	5	3	1	1	1	2
110-115	3	0	12	1	14	1	2	11	0	3	2	1	2	0
>120	10	2	16	4	16	5	11	3	5	5	1	26	2	3
Total	7810	8228	7241	7651	8105	8293	6868	6887	7499	7676	8332	8454	5307	5344
Mean	46.8	32.1	45.5	35.5	43.3	36.1	41.6	35.5	32.9	34.6	33.0	30.0	32.5	27.5

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APPENDICES

Appendix A: Legislative Bill 1157

LEGISLATURE OF NEBRASKA

ONE HUNDREDTH LEGISLATURE

SECOND SESSION

LEGISLATIVE BILL 1157

FINAL READING

Introduced by Raikes, 25.

Read first time January 23, 2008

Committee: Education

A BILL

FOR AN ACT relating to education; to amend sections 79-758, 79-760.01, 79-760.02, 79-760.03, and 79-760.05, Revised Statutes Supplement, 2007; to change provisions relating to statewide assessment and reporting; and to repeal the original sections.

Be it enacted by the people of the State of Nebraska,

Section 1. Section 79-758, Revised Statutes Supplement, 2007, is amended to read:

79-758 For purposes of the Quality Education Accountability Act:

(1) Assessment means the process of measuring student achievement and progress on ~~state and locally adopted~~ state-adopted standards;

(2) Assessment instrument means a test aligned with state ~~and local~~ standards that is designed to measure student progress and achievement; and

~~(3) Assessment portfolio means the compilation of assessment practices and procedures, assessment instruments, and national assessment instruments used by a school district in meeting assessment and reporting requirements; and~~

~~(4)~~ (3) National assessment instrument means a nationally norm-referenced test developed and scored by a national testing service.

Sec. 2. Section 79-760.01, Revised Statutes Supplement, 2007, is amended to read:

79-760.01 The State Board of Education shall adopt measurable ~~model~~ academic content standards for at least ~~three~~ the grade levels required for statewide assessment pursuant to section 79-760.03. The standards shall cover the subject areas of reading, writing, mathematics, science, and social studies. The standards adopted shall be sufficiently clear and measurable to be

used for testing student performance with respect to mastery of the content described in the state standards. The State Board of Education shall develop a plan to review and update standards for each subject area every five years. The state board shall review and update the standards in reading by July 1, 2009, the standards in mathematics by July 1, 2010, and the standards in all other subject areas by July 1, 2013. The state board plan shall include a review of commonly accepted standards adopted by school districts.

Sec. 3. Section 79-760.02, Revised Statutes Supplement, 2007, is amended to read:

79-760.02 In accordance with timelines that are adopted by the State Board of Education, but in no event later than one year following the adoption or modification of state standards, each school district shall adopt measurable quality academic content standards in the subject areas of reading, writing, mathematics, science, and social studies. The standards may be the same as, or may be equal to or exceed in rigor, the measurable ~~model~~ academic content standards adopted by the state board and shall cover at least the same grade levels. School districts may work collaboratively with educational service units, with learning communities, or through interlocal agreements to develop such standards. Educational service units and learning communities shall develop a composite set of standards shared by member school districts. ~~The State Department of Education shall adopt and promulgate appropriate rules and regulations to insure the rigor of~~

~~the measurable quality academic content standards.~~

Sec. 4. Section 79-760.03, Revised Statutes Supplement, 2007, is amended to read:

79-760.03 (1) For school year 2009-10 and each school year thereafter, the State Board of Education shall implement a statewide system for the assessment of student learning and for reporting the performance of school districts and learning communities pursuant to this section. The assessment and reporting system shall measure student knowledge of subject matter materials covered by measurable academic content standards selected by the state board.

(2) The state board shall adopt a plan for an assessment and reporting system and implement and maintain the assessment and reporting system according to such plan. The plan shall be submitted annually to the State Department of Education, the Governor, the chairperson of the Education Committee of the Legislature, and the Clerk of the Legislature. The state board shall select ~~three~~ grade levels for assessment and reporting required pursuant to subsections (4) through (7) of this section. The purposes of the system are to:

(a) Determine how well public schools are performing in terms of achievement of public school students related to the state academic content standards;

(b) Report the performance of public schools based upon the results of state assessment instruments and national assessment

instruments;

(c) Provide information for the public and policymakers on the performance of public schools; and

(d) Provide for the comparison among Nebraska public schools and the comparison of Nebraska public schools to public schools elsewhere.

(3) The Governor shall appoint a technical advisory committee to review the statewide assessment plan and state assessment instruments developed under the Quality Education Accountability Act. The technical advisory committee shall consist of three nationally recognized experts in educational assessment and measurement, one administrator from a school in Nebraska, and one teacher from a school in Nebraska. The members shall serve terms of three years, except that two of the members shall be appointed for initial terms of two years. Any vacancy shall be filled by the Governor for the remainder of the term. One of the members shall be designated as chairperson by the Governor. Members shall be reimbursed for their actual and necessary expenses as provided in sections 81-1174 to 81-1177. The committee shall advise the Governor, the state board, and the State Department of Education on the development of statewide assessment instruments and the statewide assessment plan. The appointments to the committee shall be confirmed by the Legislature.

~~(3)~~ (4) The state board shall prescribe a statewide assessment of writing that relies on writing samples in each of

three grades selected by the state board. Each year at least one of the three selected grades shall participate in the statewide writing assessment with each selected grade level participating at least once every three years.

~~(4)~~ (5) For school year 2009-10 and for each school year thereafter, the state board shall prescribe a statewide assessment of reading. ~~that is based on model assessments developed pursuant to section 79-760. The reading assessment instruments shall be developed in collaboration with educational service units and be approved by a majority of the educational service unit administrators.~~ The statewide assessment of reading shall include assessment instruments for each of the grade levels three through eight and for one grade in high school and standards ~~selected~~ adopted by the state board pursuant to section 79-760.01.

~~(5)~~ (6) For no later than school year 2010-11 and for each school year thereafter, the state board shall prescribe a statewide assessment of mathematics. ~~that is based on model assessments developed pursuant to section 79-760. The mathematics assessment instruments shall be developed in collaboration with educational service units and be approved by a majority of the educational service unit administrators.~~ The statewide assessment of mathematics shall include assessment instruments for each of the grade levels three through eight and for one grade in high school and standards ~~selected~~ adopted by the state board pursuant to section 79-760.01. If no statewide assessment of mathematics

is administered in school year 2009-10, school districts shall report mathematics assessment results in the same manner as such information was reported in school year 2008-09.

~~(6) School districts shall develop assessment portfolios. Such assessment portfolios may be developed through school district collaboration with educational service units and learning communities or through interlocal agreements. Educational service units shall conduct a peer review of local district assessments annually. Educational service units shall submit documentation of the district portfolios for review by the State Department of Education not more than once every three years. Assessment portfolios shall include all assessment instruments required by the state board and by the Quality Education Accountability Act.~~

~~(7) The department shall identify criteria for rating assessment instruments and assessment portfolios. The department shall establish statewide minimum proficiency levels for local assessments and shall include proficiency levels in the rating of assessment instruments and assessment portfolios. The department shall contract with independent, recognized assessment experts to review and rate locally developed assessment instruments and portfolios according to such criteria and proficiency levels.~~

(7) For no later than school year 2011-12 and each school year thereafter, the state board shall prescribe a statewide assessment of science. The statewide assessment of science shall include assessment instruments for each of the grade levels

selected by the state board and standards adopted by the state board pursuant to section 79-760.01. The grade levels shall include at least one grade in elementary school, one grade in middle school or junior high school, and one grade in high school.

(8) The department shall conduct studies to verify the technical quality of assessment instruments and demonstrate the comparability of assessment instrument results required by the ~~Quality Education Accountability Act.~~ act. The department shall annually report such findings to the Governor, the Legislature, and the ~~State Board of Education.~~ state board.

(9) The ~~State Board of Education~~ state board shall recommend national assessment instruments for the purpose of national comparison. Each school district shall ~~include national assessment instruments in its assessment portfolio.~~ report individual student data for scores and sub-scores according to procedures established by the state board and the department pursuant to section 79-760.05.

(10) The aggregate results of assessment instruments and national assessment instruments shall be reported by the district on a building basis to the public in that district, to the learning community coordinating council if such district is a member of a learning community, and to the department. Each learning community shall also report the aggregate results of any assessment instruments and national assessment instruments to the public in that learning community and to the department. The

department shall report the aggregate results of any assessment instruments and national assessment instruments on a learning community, district, and building basis as part of the statewide assessment and reporting system.

(11)(a) The assessment and reporting plan shall:

(i) Provide for the confidentiality of the results of individual students; and

(ii) Include all public schools and all public school students.

(b) The state board shall adopt criteria for the inclusion of students with disabilities, students entering the school for the first time, and students with limited English proficiency.

The department may determine appropriate accommodations for the assessment of students with disabilities or any student receiving special education programs and services pursuant to section 79-1139. Alternate academic achievement standards in reading, mathematics, and science and alternate assessment instruments aligned with the standards may be among the accommodations for students with severe cognitive disabilities.

(12) The state board may select additional grade levels and additional subject areas for statewide assessment instruments to comply with federal requirements.

(13) The state board shall not require school districts to administer assessments or assessment instruments other than as

prescribed by the act.

(14) The state board shall appoint committees of teachers, from each appropriate subject area, and administrators to assist in the development of statewide assessment instruments required by the act.

Sec. 5. Section 79-760.05, Revised Statutes Supplement, 2007, is amended to read:

79-760.05 (1) The State Board of Education shall implement a statewide system for tracking individual student achievement, using the student identifier system of the State Department of Education, that can be aggregated to track student progress by demographic characteristics, including, but not limited to, race, poverty, high mobility, attendance, and limited English proficiency, on available measures of student achievement which include, but need not be limited to, national assessment instruments~~,~~ and state assessment instruments. ~~, local assessment instruments, and other similar measures.~~ Such a system shall be designed so as to aggregate student data by available educational input characteristics, which may include class size, teacher education, teacher experience, special education, early childhood programs, federal programs, and other targeted education programs. School districts shall provide the department with individual student achievement data ~~as requested~~ from assessment instruments required pursuant to section 79-760.03 in order to implement the statewide system.

(2) The department and the coordinator appointed pursuant to section 79-11,150 shall annually analyze and report on student achievement for the state, each school district, and each learning community aggregated by the demographic characteristics described in subsection (1) of this section. The department shall report the findings to the Governor, the Legislature, school districts, educational service units, and each learning community. Such analysis shall include aggregated data that would indicate differences in achievement due to available educational input characteristics described in subsection (1) of this section. Such analysis shall include indicators of progress toward state achievement goals for students in poverty, limited English proficient students, and highly mobile students according to the plan developed by the coordinator pursuant to section 79-11,150.

Sec. 6. Original sections 79-758, 79-760.01, 79-760.02, 79-760.03, and 79-760.05, Revised Statutes Supplement, 2007, are repealed.

Appendix B: NeSA-R Test Blueprint

Nebraska State Accountability - Reading Table of Specifications					
Grade 3					
Gr3 Vocabulary	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
LA 3.1.5 Vocabulary: Students will build literary, general academic, and content specific grade level vocabulary.					
LA 3.1.5.a *Apply word structure elements, known words, and word patterns to determine meanings (e.g., contractions, plurals, possessives, basic parts of speech, compounds, syllables)*	1	4-6	0	0	4-6
LA 3.1.5.b *Relate new grade level vocabulary to prior knowledge and use in new situations*	Assessed at the local level				
LA 3.1.5.c *Apply context clues (e.g., word, phrase, and sentence clues, re-reading) and text features (e.g., table of contents, maps, charts, font/format styles) to help infer meaning of unknown word*	2	2-3	2-3	0	4-6
LA 3.1.5.d *Identify semantic relationships (e.g., patterns and categories, synonyms, antonyms, homonyms, multiple meanings)*	1	4-6	0	0	4-6
LA 3.1.5.e *Identify meaning using print and digital reference materials (e.g., dictionary, glossary)*	Assessed at the local level				
LA 3.1.5.f *Locate words in reference materials (e.g., alphabetical order, guide words)*	Assessed at the local level				
Gr3 Comprehension	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
LA 3.1.6 Comprehension: Students will extract and construct meaning using prior knowledge, applying text information, and monitoring comprehension while reading grade level text.					

Nebraska State Accountability - Reading Table of Specifications					
Grade 3					
LA 3.1.6.a *Identify author purpose(s) (e.g., explain, entertain, inform, persuade) to support text comprehension*	3	0	0-1	1-2	1-3
LA 3.1.6.b *Identify elements of narrative text (e.g., characters, setting, plot, point of view)*	1	4-6	0	0	4-6
LA 3.1.6.c *Retell and summarize narrative text including characters, setting, and plot with supporting details*	2	1-2	3-4	0	4-6
LA 3.1.6.d *Identify literary devices and explain the ways in which language is used (e.g., simile, alliteration, onomatopoeia, imagery, rhythm)*	2	0-1	1-2	0	1-3
LA 3.1.6.e *Retell and summarize the main idea from informational text using supporting details*	2	1-2	2-4	0	3-6
LA 3.1.6.f *Recognize and apply knowledge of organizational patterns found in informational text (e.g., sequence, description, cause and effect, compare/contrast)*	2	1-2	2-3	0	3-5
LA 3.1.6.g *Apply knowledge of text features to locate information and gain meaning from a text (e.g., table of contents, maps, charts, illustrations, headings, captions, font/format styles)*	2	1-3	2-3	0	3-6
LA 3.1.6.h *Describe the defining characteristics of narrative and informational genres (e.g., folk tales, poetry, historical fiction, biographies, chapter books, textbooks)*	2	0	1-3	0	1-3
LA 3.1.6.i *Use narrative or informational text to develop a multi-cultural perspective*	Assessed at the local level				
LA 3.1.6.j *Generate and/or answer literal, inferential, and critical questions, supporting answers using prior knowledge and literal and inferential information from the text*	3	1-2	1-2	1-2	3-6
LA 3.1.6.k *Identify and explain purpose for reading (e.g., information, pleasure, understanding)*	Assessed at the local level				

Nebraska State Accountability - Reading Table of Specifications	
Grade 3	
LA 3.1.6.l *Build and activate prior knowledge in order 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 before, during, and after reading (e.g., captions, headings, character traits, personal experience)*	Assessed at the local level
LA 3.1.6.o *Use examples and details in a text to make inferences about a story or situation*	Assessed at the local level
LA 3.1.6.p *Respond to text verbally, in writing, or artistically*	Assessed at the local level

Nebraska State Accountability - Reading
Table of Specifications

Grade 4

Gr4 Vocabulary	DOK Level	DOK 1	DOK 2	DOK 3	Item Total
LA 4.1.5 Vocabulary: Students will build literary, general academic, and content specific grade level vocabulary.					
LA 4.1.5.a *Apply knowledge of word structure elements, known words, and word patterns to determine meaning (e.g., parts of speech, plurals, possessives, suffixes, prefixes, base and root words)*	1	4-6	0	0	4-6
LA 4.1.5.b *Relate new grade level vocabulary to prior knowledge and use in new situations*	Assessed at the local level				
LA 4.1.5.c *Apply context clues (e.g., word, phrase, sentence and paragraph clues, re-reading) and text features (e.g., glossary, headings, subheadings, captions) to infer meaning of unknown words*	2	1-2	2-4	0	3-6
LA 4.1.5.d *Identify semantic relationships (e.g., patterns and categories, homographs, homophones, synonyms, antonyms, multiple meanings)*	1	4-6	0	0	4-6
LA 4.1.5.e *Determine meaning using print and digital reference materials (e.g., dictionary, thesaurus, glossary)*	Assessed at the local level				
Gr4 Comprehension	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
LA 4.1.6 Comprehension: Students will extract and construct meaning using prior knowledge, applying text information, and monitoring comprehension while reading grade level text.					
LA 4.1.6.a *Identify author purpose(s) (e.g., explain, entertain, inform, persuade) and recognize how author perspective (e.g., beliefs, assumptions, biases) influences text*	3	0	0-1	1-2	1-3
LA 4.1.6.b *Identify and analyze elements of narrative text (e.g., character development, setting, plot, theme)*	2	2-3	2-3	0	4-6

Nebraska State Accountability - Reading Table of Specifications					
Grade 4					
LA 4.1.6.c *Summarize narrative text including characters, setting, and plot with supporting details*	2	1-2	2-4	0	3-6
LA 4.1.6.d *Identify literary devices and explain the ways in which language is used (e.g., simile, metaphor, alliteration, onomatopoeia, imagery, rhythm)*	2	1-2	1-2	0	2-4
LA 4.1.6.e *Retell and summarize the main idea from informational text using supporting details*	2	1-2	2-4	0	3-6
LA 4.1.6.f *Recognize and apply knowledge of organizational patterns found in informational text (e.g., sequence, description, cause and effect, compare/contrast, fact/opinion)*	2	1-2	2-4	0	3-6
LA 4.1.6.g *Apply knowledge of text features to locate information and gain meaning from a text (e.g., glossary, maps, charts, tables, graphs, illustrations, headings, subheadings, captions, font/format styles)*	2	1-3	2-3	0	3-6
LA 4.1.6.h *Describe the defining characteristics of narrative and informational genres (e.g., folk tales, poetry, historical fiction, biographies, chapter books, textbooks)*	2	0	1-3	0	1-3
LA 4.1.6.i *Use narrative or informational text to develop a multi-cultural perspective*	Assessed at the local level				
LA 4.1.6.j *Generate and/or answer literal, inferential, critical, and interpretive questions, supporting answers using prior knowledge and literal and inferential information from the text*	3	1-2	1-2	1-2	3-6
LA 4.1.6.k *Identify and explain purpose for reading (e.g., information, pleasure, understanding)*	Assessed at the local level				
LA 4.1.6.l *Build and activate prior knowledge in order to identify text to self, text to text, and text to world connections before, during, and after reading*	Assessed at the local level				

Nebraska State Accountability - Reading Table of Specifications	
Grade 4	
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 before, during, and after reading (e.g., title, topic sentences, font, key words, foreshadowing clues)*	Assessed at the local level
LA 4.1.6.o *Use examples and details in a text to make inferences about a story or situation*	Assessed at the local level
LA 4.1.6.p *Respond to text verbally, in writing, or artistically*	Assessed at the local level

Nebraska State Accountability - Reading
Table of Specifications

Grade 5

Gr5 Vocabulary	DOK Level	DOK 1	DOK 2	DOK 3	Item Total
LA 5.1.5 Vocabulary: Students will build literary, general academic, and content specific grade level vocabulary.					
LA 5.1.5.a *Apply knowledge of word structure elements, known words, and word patterns to determine meaning (e.g., affixes, abbreviations, parts of speech, word origins)*	1	4-6	0	0	4-6
LA 5.1.5.b *Relate new grade level vocabulary to prior knowledge and use in new situations*	Assessed at the local level				
LA 5.1.5.c *Select and apply context clues (e.g., word, phrase, sentence and paragraph clues, re-reading) and text features (e.g., glossary, headings, subheadings, captions, maps) to determine meaning of unknown words in a variety of text structures*	2	1-2	3-4	0	4-6
LA 5.1.5.d *Identify semantic relationships (e.g., multiple meanings, metaphors, similes, idioms, analogies)*	1	2-4	0	0	2-4
LA 5.1.5.e *Determine meaning using print and digital reference materials (e.g., dictionary, thesaurus, glossary)*	Assessed at the local level				
Gr5 Comprehension	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
LA 5.1.6 Comprehension: Students will extract and construct meaning using prior knowledge, applying text information, and monitoring comprehension while reading grade level text.					
LA 5.1.6.a *Identify author purpose(s) (e.g., explain, entertain, inform, persuade) and recognize how author perspective (e.g., beliefs, assumptions, biases) influences text*	3	0	0-1	1-2	1-3
LA 5.1.6.b *Identify and analyze elements of narrative text (e.g., character development, setting, plot, theme)*	2	1-2	2-4	0	3-6

Nebraska State Accountability - Reading
Table of Specifications

Grade 5

LA 5.1.6.c *Summarize narrative text including characters, setting, plot, and theme with supporting details*	2	1-2	3-4	0	4-6
LA 5.1.6.d *Identify literary devices and explain the ways in which language is used (e.g., simile, metaphor, alliteration, onomatopoeia, imagery, rhythm)*	2	1-2	1-2	0	2-4
LA 5.1.6.e *Summarize and analyze the main idea from informational text using supporting details*	2	1-2	3-4	0	4-6
LA 5.1.6.f *Understand and apply knowledge of organizational patterns found in informational text (e.g., sequence, description, cause and effect, compare/contrast, fact/opinion)*	2	1-2	2-4	0	3-6
LA 5.1.6.g *Apply knowledge of text features to locate information and gain meaning from a text (e.g., index, maps, charts, tables, graphs, headings, subheadings)*	2	1-2	1-2	0	2-4
LA 5.1.6.h *Describe the defining characteristics of narrative and informational genres (e.g., textbooks, myths, fantasies, science fiction, drama, periodicals, essays)*	2	0	1-3	0	1-3
LA 5.1.6.i *Recognize the social, historical, cultural, and biographical influences in a variety of genres*	Assessed at the local level				
LA 5.1.6.j *Use narrative and informational text to develop a national and globalmulti-cultural perspective*	Assessed at the local level				
LA 5.1.6.k *Generate and/or answer literal, inferential, critical, and interpretive questions, supporting answers using prior knowledge and literal and inferential information from the text and additional sources*	3	1-2	2-4	1-2	4-8
LA 5.1.6.l *Select text for a particular purpose (e.g., information, pleasure, answer a specific question)*	Assessed at the local level				
LA 5.1.6.m *Build and activate prior knowledge in order to identify text to self, text to text, and text to world connections before, during, and after reading*	Assessed at the local level				

Nebraska State Accountability - Reading Table of Specifications	
Grade 5	
LA 5.1.6.n *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.o *Use examples and details to make inferences or logical predictions while previewing and reading text*	Assessed at the local level
LA 5.1.6.p *Respond to text verbally, in writing, or artistically*	Assessed at the local level

Nebraska State Accountability - Reading
Table of Specifications

Grade 6

Gr6 Vocabulary	DOK Level	DOK 1	DOK 2	DOK 3	Item Total
LA 6.1.5 Vocabulary: Students will build literary, general academic, and content specific grade level vocabulary.					
LA 6.1.5.a *Determine the meaning of words through structural analysis, using knowledge of Greek, Latin, and Anglo Saxon roots, prefixes, and suffixes to understand complex words, including words in science, mathematics, and social studies*	1	4-6	0	0	4-6
LA 6.1.5.b *Relate new grade level vocabulary to prior knowledge and use in new situations*	Assessed at the local level				
LA 6.1.5.c *Select and apply knowledge of context clues (e.g., word, phrase, sentence and paragraph clues, re-reading) and text features (e.g., glossary, headings, subheadings, index, tables, maps, charts) to determine meaning of unknown words in a variety of text structures*	2	1-2	3-4	0	4-6
LA 6.1.5.d *Identify semantic relationships (e.g., metaphors, similes, idioms, analogies, comparisons)*	1	2-4	0	0	2-4
LA 6.1.5.e *Determine meaning using print and digital reference materials (e.g., dictionary, thesaurus, glossary)*	Assessed at the local level				
Gr6 Comprehension	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
LA 6.1.6 Comprehension: Students will extract and construct meaning using prior knowledge, applying text information, and monitoring comprehension while reading grade level text.					
LA 6.1.6.a *Explain how author's purpose and perspective affect the meaning and reliability of the text*	3	0	1-2	1-2	2-4

Nebraska State Accountability - Reading Table of Specifications					
Grade 6					
LA 6.1.6.b *Identify and analyze elements of narrative text (e.g., character development, setting, plot development, conflict, point of view, theme)*	2	1-3	2-3	0	3-6
LA 6.1.6.c *Summarize narrative text using understanding of characters, setting, sequence of events, plot, and theme*	2	1-2	2-4	0	3-6
LA 6.1.6.d *Interpret and explain the author's use of literary devices (e.g., simile, metaphor, alliteration, onomatopoeia, imagery, rhythm)*	3	0	1-2	1-2	2-4
LA 6.1.6.e *Summarize, analyze, and synthesize informational text using main idea and supporting details*	3	1-2	1-2	2-3	4-7
LA 6.1.6.f *Apply knowledge of organizational patterns found in informational text (e.g., sequence, description, cause and effect, compare/contrast, fact/opinion)*	2	1-2	2-4	0	3-6
LA 6.1.6.g *Apply knowledge of text features to locate information and gain meaning from a text (e.g., index, maps, charts, tables, graphs, headings, subheadings)*	2	1-2	1-2	0	2-4
LA 6.1.6.h *Distinguish between the defining characteristics of different narrative and informational genres (e.g., textbooks, myths, fantasies, science fiction, drama, periodicals, and essays)*	2	0	1-3	0	1-3
LA 6.1.6.i *Describe the social, historical, cultural, and biographical influences in a variety of genres*	Assessed at the local level				
LA 6.1.6.j *Use narrative and informational text to develop a national and global multi-cultural perspective*	Assessed at the local level				
LA 6.1.6.k *Generate and/or answer literal, inferential, critical, and interpretive questions, supporting answers using prior knowledge and literal and inferential information from the text and additional sources*	3	1-2	2-4	1-2	4-8

Nebraska State Accountability - Reading Table of Specifications	
Grade 6	
LA 6.1.6.l *Select text for a particular purpose (e.g., information, pleasure, answer a specific question)*	Assessed at the local level
LA 6.1.6.m *Build and activate prior knowledge in order to identify text to self, text to text, and text to world connections before, during, and after reading*	Assessed at the local level
LA 6.1.6.n *Self-monitor comprehension for accuracy and understanding when errors detract from meaning by applying appropriate strategies to self-correct*	Assessed at the local level
LA 6.1.6.o *Use examples and details to make inferences or logical predictions while previewing and reading text*	Assessed at the local level
LA 6.1.6.p *Respond to text verbally, in writing, or artistically*	Assessed at the local level

Nebraska State Accountability - Reading
Table of Specifications

Grade 7

Gr7 Vocabulary	DOK Level	DOK 1	DOK 2	DOK 3	Item Total
LA 7.1.5 Vocabulary: Students will build literary, general academic, and content specific grade level vocabulary.					
LA 7.1.5.a *Determine meaning of words through structural analysis, using knowledge of Greek, Latin, and Anglo-Saxon roots, prefixes, and suffixes to understand complex words, including words in science, mathematics, and social studies*	1	3-5	0	0	3-5
LA 7.1.5.b *Relate new grade level vocabulary to prior knowledge and use in new situations.*	Assessed at the local level				
LA 7.1.5.c *Select and apply knowledge of context clues (e.g., word, phrase, sentence and paragraph clues, re-reading) and text features (e.g., glossary, headings, subheadings, index, tables, maps, graphs, charts) appropriate to a particular text to determine meaning of unknown words*	2	1-2	3-5	0	4-7
LA 7.1.5.d *Analyze semantic relationships (e.g., figurative language, connotations, subtle distinctions)*	2	1-2	1-2	0	2-4
LA 7.1.5.e *Determine meaning using print and digital reference materials*	Assessed at the local level				
Gr7 Comprehension	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
LA 7.1.6 Comprehension: Students will extract and construct meaning using prior knowledge, applying text information, and monitoring comprehension while reading grade level text.					
LA 7.1.6.a *Analyze the meaning, reliability, and validity of the text considering author's purpose and perspective*	3	0	1-2	1-2	2-4
LA 7.1.6.b *Identify and analyze elements of narrative text (e.g., character development, setting, plot development, conflict, point of view, theme)*	2	2-4	2-4	0	4-8

Nebraska State Accountability - Reading Table of Specifications					
Grade 7					
LA 7.1.6.c *Analyze author's use of literary devices (e.g., foreshadowing, personification, idiom, oxymoron, hyperbole, flashback, suspense, symbolism, irony)*	3	0	1-2	1-2	2-4
LA 7.1.6.d *Summarize, analyze, and synthesize informational text using main idea and supporting details*	3	0	2-3	2-3	4-6
LA 7.1.6.e *Apply knowledge of organizational patterns found in informational text (e.g., sequence, description, cause and effect, compare/contrast, fact/opinion, proposition/support)*	2	1-2	2-4	0	3-6
LA 7.1.6.f *Apply knowledge of text features to locate information and gain meaning from a text (e.g., index, annotations, maps, charts, tables, graphs, headings, subheadings)*	2	1-2	1-2	0	2-4
LA 7.1.6.g *Explain and make inferences based on the characteristics of narrative and informational genres (e.g., textbooks, myths, fantasies, science fiction, drama, periodicals, essays)*	2	0	1-3	0	1-3
LA 7.1.6.h *Explain the social, historical, cultural, and biographical influences in a variety of genres*	Assessed at the local level				
LA 7.1.6.i *Use narrative and informational text to develop a national and global multi-cultural perspective*	Assessed at the local level				
LA 7.1.6.j *Generate and/or answer literal, inferential, critical, and interpretive questions, analyzing prior knowledge, information from the text and additional sources, to support answers*	3	2-3	2-3	1-2	5-8
LA 7.1.6.k *Select text for a particular purpose (e.g., understand, interpret, enjoy, solve problems, form an opinion, answer a specific question, discover models for own writing)*	Assessed at the local level				
LA 7.1.6.l *Build and activate prior knowledge in order to clarify text, deepen understanding, and make connections while reading*	Assessed at the local level				

Nebraska State Accountability - Reading Table of Specifications	
Grade 7	
LA 7.1.6.m *Self-monitor comprehension for accuracy and understanding when errors detract from meaning by applying appropriate strategies to self-correct*	Assessed at the local level
LA 7.1.6.n *Use examples and details to make inferences or logical predictions while previewing and reading text*	Assessed at the local level
LA 7.1.6.o *Respond to text verbally, in writing, or artistically*	Assessed at the local level

Nebraska State Accountability - Reading
Table of Specifications

Grade 8

Gr8 Vocabulary	DOK Level	DOK 1	DOK 2	DOK 3	Item Total
LA 8.1.5 Vocabulary: Students will build literary, general academic, and content specific grade level vocabulary.					
LA 8.1.5.a *Determine meaning of words through structural analysis, using knowledge of Greek, Latin, and Anglo-Saxon roots, prefixes, and suffixes to understand complex words, including words in science, mathematics, and social studies*	1	3-5	0	0	3-5
LA 8.1.5.b *Relate new grade level vocabulary to prior knowledge and use in new situations*	Assessed at the local level				
LA 8.1.5.c *Select a context clue strategy to determine meaning of unknown word appropriate to text (e.g., restatement, example, gloss, annotations, sidebar)*	2	1-3	3-5	0	4-8
LA 8.1.5.d *Analyze semantic relationships (e.g., figurative language, connotations, subtle distinctions)*	2	1-2	1-2	0	2-4
LA 8.1.5.e *Determine meaning using print and digital reference materials*	Assessed at the local level				
Gr8 Comprehension	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
LA 8.1.6 Comprehension: Students will extract and construct meaning using prior knowledge, applying text information, and monitoring comprehension while reading grade level text.					
LA 8.1.6.a *Analyze the meaning, reliability, and validity of the text considering author's purpose, perspective, and information from additional sources*	3	0	0-1	1-2	1-3
LA 8.1.6.b *Identify and analyze elements of narrative text (e.g., character development, setting, plot development, conflict, point of view, inferred and recurring themes)*	2	1-2	3-5	0	4-7

Nebraska State Accountability - Reading Table of Specifications					
Grade 8					
LA 8.1.6.c *Analyze author's use of literary devices (e.g., foreshadowing, personification, idiom, oxymoron, hyperbole, flashback, suspense, symbolism, irony, transitional devices)*	3	0	1-2	1-2	2-4
LA 8.1.6.d *Summarize, analyze, and synthesize informational text using main idea and supporting details*	3	0	3-5	2-3	5-8
LA 8.1.6.e *Apply knowledge of organizational patterns found in informational text (e.g., sequence, description, cause and effect, compare / contrast, fact / opinion, proposition / support)*	2	0	4-6	0	4-6
LA 8.1.6.f *Analyze and evaluate information from text features (e.g., index, annotations, maps, charts, tables, graphs, headings, subheadings, lists)*	2	1-2	1-2	0	2-4
LA 8.1.6.g *Analyze and make inferences based on the characteristics of narrative and informational genres*	2	1-2	1-2	0	2-4
LA 8.1.6.h *Analyze a variety of genres for the social, historical, cultural, and biographical influences*	Assessed at the local level				
LA 8.1.6.i *Use narrative and informational text to develop a national and global multi-cultural perspective*	Assessed at the local level				
LA 8.1.6.j *Generate and/or answer literal, inferential, critical, and interpretive questions, analyzing and synthesizing prior knowledge, information from the text and additional sources, to support answers*	3	1-2	2-3	1-2	4-7
LA 8.1.6.k *Select text for a particular purpose (e.g., understand, interpret, enjoy, solve problems, form an opinion, answer a specific question, discover models for own writing)*	Assessed at the local level				
LA 81.6.l *Build and activate prior knowledge in order to clarify text, deepen understanding, and make connections while reading*	Assessed at the local level				

Nebraska State Accountability - Reading Table of Specifications	
Grade 8	
LA 8.1.6.m *Self-monitor comprehension for accuracy and understanding when errors detract from meaning by applying appropriate strategies to self-correct*	Assessed at the local level
LA 8.1.6.n *Make complex or abstract inferences or predictions by synthesizing information while previewing and reading text*	Assessed at the local level
LA 8.1.6.o *Respond to text verbally, in writing, or artistically*	Assessed at the local level

Nebraska State Accountability - Reading
Table of Specifications

Grade 12

Gr12 Vocabulary	DOK Level	DOK 1	DOK 2	DOK 3	Item Total
LA 12.1.5 Vocabulary: Students will build literary, general academic, and content specific grade level vocabulary.					
LA 12.1.5.a *Determine meaning of words through structural analysis, using knowledge of Greek, Latin, and Anglo-Saxon roots, prefixes, and suffixes to understand complex words, including words in science, mathematics, and social studies*	1	2-4	0	0	2-4
LA 12.1.5.b *Relate new grade level vocabulary to prior knowledge and use in new situations.*	Assessed at the local level				
LA 12.1.5.c *Independently apply appropriate strategy to determine meanings of unknown words in text*	2	1-2	2-4	0	3-6
LA 12.1.5.d *Use semantic relationships to evaluate, defend, and make judgments*	3	0	1-2	1-2	2-4
LA 12.1.5.e *Determine meaning using print and digital reference materials*	Assessed at the local level				
Gr12 Comprehension	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
LA 12.1.6 Comprehension: Students will extract and construct meaning using prior knowledge, applying text information, and monitoring comprehension while reading grade level text.					
LA 12.1.6.a *Evaluate the meaning, reliability, and validity of the text considering author's purpose, perspective, and information from additional sources*	3	0	1-2	1-2	2-4
LA 12.1.6.b *Analyze and evaluate elements of narrative text (e.g., characterization, setting, plot development, internal and external conflict, inferred and recurring themes, point of view, tone, mood)*	3	0	2-3	1-2	3-5

Nebraska State Accountability - Reading Table of Specifications					
Grade 12					
LA 12.1.6.c *Analyze the function and critique the effects of the author's use of stylistic and literary devices (e.g., allusion, symbolism, irony, foreshadowing, flashback, metaphor, personification, epiphany, oxymoron, dialect, tone, mood, transitional devices)*	3	0	2-3	1-2	3-5
LA 12.1.6.d *Summarize, analyze, synthesize, and evaluate informational text*	3	0	3-4	2-3	5-7
LA 12.1.6.e *Apply knowledge of organizational patterns found in informational text (e.g., sequence, description, cause and effect, compare/contrast, fact/opinion, proposition/support, concept definition, question/answer)*	2	1-2	3-6	0	4-8
LA 12.1.6.f *Analyze and evaluate information from text features (e.g., index, annotations, photographs, charts, tables, graphs, headings, subheadings, lists)*	2	1-2	1-2	0	2-4
LA 12.1.6.g *Analyze and evaluate inferences based on the characteristics of narrative and informational genres and provide evidence from the text to support understanding*	3	1-2	1-2	0	2-4
LA 12.1.6.h *Critique the effects of historical, cultural, political, and biographical influences in a variety of genres*	Assessed at the local level				
LA 12.1.6.i *Use narrative and informational text to develop a national and global multi-cultural perspective*	Assessed at the local level				
LA 12.1.6.j *Generate and/or answer literal, inferential, critical, and interpretive questions, analyzing, synthesizing, and evaluating prior knowledge, information from the text and additional sources, to support answers*	3	1-2	2-3	1-2	4-7
LA 12.1.6.k *Select a text for a particular purpose (e.g., understand a specific viewpoint, enjoy, solve problems, form an opinion, discover models for own writing, predict outcomes, accomplish a task)*	Assessed at the local level				

Nebraska State Accountability - Reading Table of Specifications	
Grade 12	
LA 12.1.6.l *Build and activate prior knowledge in order to clarify text, deepen understanding, and make connections while reading*	Assessed at the local level
LA 12.1.6.m *Self-monitor comprehension for accuracy and understanding when errors detract from meaning by applying appropriate strategies to self-correct*	Assessed at the local level
LA 12.1.6.n *Make complex or abstract inferences or predictions by synthesizing information while previewing and reading text*	Assessed at the local level
LA 12.1.6.o *Respond to text verbally, in writing, or artistically*	Assessed at the local level

Appendix C: NeSA-M Test Blueprint

Nebraska State Mathematics Test Table of Specifications					
Grade 3					
NUMBER SENSE					
Gr3 Number System	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 3.1.1 Students will represent and show relationships among positive rational numbers within the base-ten number system.					
MA 3.1.1.a Read and write numbers to one-hundred thousand.	Assessed at the local level				
MA 3.1.1.b Count by multiples of 5 to 200	Assessed at the local level				
MA 3.1.1.c Count by multiples of 10 to 400	Assessed at the local level				
MA 3.1.1.d Count by multiples of 100 to 1000	Assessed at the local level				
MA 3.1.1.e Demonstrate multiple equivalent representations for numbers up to 10,000	1	3-5	0	0	3-5
MA 3.1.1.f Demonstrate multiple equivalent representations for decimals numbers through the tenths place.	Assessed at the local level				
MA 3.1.1.g Compare and order whole numbers through the thousands	1	4-6	0	0	4-6
MA 3.1.1.h Find parts of whole and parts of a set for 1/2, 1/3, or 1/4	2	0-1	3-5	0	3-6
MA 3.1.1.i Round a given number to tens, hundreds, or thousands	1	1-3	0	0	1-3
Gr3 Operations	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 3.1.2 Students demonstrate the meaning of multiplication with whole numbers.					
MA 3.1.2.a Represent multiplication as repeated addition using objects, drawings, words, and symbols	2	0-1	1-2	0	1-3
MA 3.1.2.b Use objects, drawings, words, and symbols to explain the relationship between multiplication and division	Assessed at the local level				
MA.3.1.2.c Use drawings, words and symbols to explain the meaning of the factors and product in a multiplication sentence	Assessed at the local level				

Nebraska State Mathematics Test Table of Specifications					
Grade 3					
MA.3.1.2.d Use drawings, words, and symbols to explain the meaning of multiplication using an array	2	0-1	1-2	0	1-3
Gr3 Computation	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 3.1.3 Students will compute fluently and accurately using appropriate strategies and tools.					
MA 3.1.3.a Compute whole number multiplication facts 0-10 fluently	Assessed at the local level				
MA 3.1.3.b Add and subtract through four-digit whole numbers with regrouping	Assessed at the local level				
MA 3.1.3.c Select and apply the appropriate methods of computation when problem solving with four-digit whole numbers through the thousands	Assessed at the local level				
Gr3 Estimation	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 3.1.4 Students will estimate and check reasonableness of answers using appropriate strategies and tools.					
MA 3.1.4.a Estimate the two-digit product of whole number multiplication and check the reasonableness	Assessed at the local level				
GEOMETRIC/MEASUREMENT CONCEPTS					
Gr3 Characteristics	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 3.2.1 Students will identify characteristics and describe properties of two-dimensional shapes and three-dimensional objects.					
MA 3.2.1.a Identify the number of sides, angles, and vertices of two-dimensional shapes	1	2-4	0	0	2-4
MA 3.2.1.b Identify congruent two-dimensional figures given multiple two-dimensional shapes	1	1-2	0	0	1-2
MA 3.2.1.c Identify lines, line segments, rays, and angles	Assessed at the local level				
MA 3.2.1.d Describe attributes of solid shapes	Assessed at the local level				
Gr3 Coordinate Geometry	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**

Nebraska State Mathematics Test Table of Specifications					
Grade 3					
MA 3.2.2 Students will identify distances on a number line.					
MA 3.2.2.a Draw a number line and plot points	Assessed at the local level				
MA 3.2.2.b Determine the distance between two whole number points on a number line	1	1-3	0	0	1-3
Gr3 Transformations	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 3.2.3 Students will draw all lines of symmetry.					
MA 3.2.3.a Draw all possible lines of symmetry in two-dimensional shapes	Assessed at the local level				
Gr3 Spatial Modeling	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 3.2.4 Students will create two-dimensional shapes and three-dimensional objects.					
MA 3.2.4.a Sketch and label lines, rays, line segments, and angles	Assessed at the local level				
MA 3.2.4.b Build three-dimensional objects	Assessed at the local level				
Gr3 Measurement	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 3.2.5 Students will apply appropriate procedures and tools to determine measurements using customary and metric units.					
3.2.5.a Select and use appropriate tools to measure perimeter of simple two-dimensional shapes	Assessed at the local level				
MA 3.2.5.b Count mixed coins and bills greater than $1.00	Assessed at the local level				
MA 3.2.5.c Identify time of day	Assessed at the local level				
MA 3.2.5.d State multiple ways for the same time using 15 minute intervals	Assessed at the local level				
MA 3.2.5.e Identify the appropriate customary unit for measuring length, weight, and capacity/volume	1	2-4	0	0	2-4
MA 3.2.5.f Measure length to the nearest 1/2 inch and centimeter	Assessed at the local level				
MA 3.2.5.g Compare and order objects according to length using centimeters and meters	1	1-3	0	0	1-3

Nebraska State Mathematics Test Table of Specifications					
Grade 3					
ALGEBRAIC CONCEPTS					
Gr3 Relationships	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 3.3.1 Students will represent relationships.					
MA 3.3.1.a Identify, describe, and extend numeric and non-numeric patterns	1	1-3	0	0	1-3
MA 3.3.1.b Identify patterns using words, tables, and graphs	Assessed at the local level				
Gr3 Modeling in Context	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 3.3.2 Students will create and use models to represent mathematical situations.					
MA 3.3.2.a Model situations that involve the addition and subtraction of whole numbers using objects, number lines, and symbols	3	0	1-2	1-2	2-4
MA 3.3.2.b Describe and model quantitative change involving subtraction	Assessed at the local level				
Gr3 Procedures	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 3.3.3 Students will identify and apply properties of whole numbers to solve equations involving addition and subtraction.					
MA 3.3.3.a Use symbolic representation of the identity property of addition	Assessed at the local level				
MA 3.3.3.b Solve simple one-step whole number equations involving addition and subtraction	1	2-4	0	0	2-4
MA 3.3.3.c Explain the procedure(s) used in solving simple one-step whole number equations involving addition and subtraction	Assessed at the local level				
DATA ANALYSIS/PROBABILITY CONCEPTS					
Gr3 Display and Analysis	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 3.4.1 Students will organize, display, compare, and interpret data.					
MA 3.4.1.a Represent data using horizontal and vertical bar graphs	2	0-1	1-2	0	1-3

Nebraska State Mathematics Test Table of Specifications					
Grade 3					
MA 3.4.1.b Use comparative language to describe the data	Assessed at the local level				
MA 3.4.1.c Interpret data using horizontal and vertical bar graphs	2	0-1	1-2	0	1-3
Gr3 Predictions and Inferences	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 3.4.2 Mastery not expected at this level					
Gr3 Probability	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 3.4.3 Students will find and describe experimental probability.					
MA 3.4.3.a Perform simple experiments and describe outcomes as possible, impossible, or certain	Assessed at the local level				

Nebraska State Mathematics Test Table of Specifications					
Grade 4					
NUMBER SENSE					
Gr4 Number System	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 4.1.1 Students will represent and show relationships among positive rational numbers within the base-ten number system.					
MA 4.1.1.a Read and write numbers through the millions	Assessed at the local level				
MA 4.1.1.b Demonstrate multiple equivalent representations for decimal numbers through the hundredths place	2	0-1	2-3	0	2-4
MA 4.1.1.c Compare and order whole numbers and decimals through the hundredths place	1	2-4	0	0	2-4
MA 4.1.1.d Classify a number as even or odd	Assessed at the local level				
MA 4.1.1.e Represent a fraction as parts of a whole, and/or parts of a set	2	0-1	1-2	0	1-3
MA 4.1.1.f Use visual models to find equivalent fractions	1	1-3	0	0	1-3
MA 4.1.1.g Determine the size of a fraction relative to one half using equivalent forms	Assessed at the local level				
MA 4.1.1.h Locate fractions on a number line	1	1-3	0	0	1-3
MA 4.1.1.i Round a whole number to millions	Assessed at the local level				
Gr4 Operations	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 4.1.2 Students will demonstrate the meaning of division with whole numbers.					
MA 4.1.2.a Use drawings, words, and symbols to explain the meaning of division	2	0-1	1-2	0	1-3
Gr4 Computation	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
4.1.3 Students will compute fluently and accurately using appropriate strategies and tools.					
MA 4.1.3.a Compute whole number division facts 0-10 fluently	Assessed at the local level				
MA 4.1.3.b Add and subtract decimals to the hundredth place	1	1-2	0	0	1-2

Nebraska State Mathematics Test Table of Specifications					
Grade 4					
MA 4.1.3.c Multiply two-digit whole numbers	1	1-3	0	0	1-3
MA 4.1.3.d Divide a three-digit number by a one digit divisor with and without a remainder	Assessed at the local level				
MA 4.1.3.e Mentally compute multiplication and division involving powers of 10	1	1-3	0	0	1-3
MA 4.1.3.f Select and apply the appropriate method of computation when problem solving	2	0-1	3-4	0	3-5
Gr4 Estimation	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
4.1.4 Students will estimate and check reasonableness of answers using appropriate strategies and tools.					
MA 4.1.4.a Estimate the three-digit product and the two-digit quotient of whole number multiplication and division and check the reasonableness	Assessed at the local level				
GEOMETRIC/MEASUREMENT CONCEPTS					
Gr4 Characteristics	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 4.2.1 Students will classify two-dimensional shapes and three-dimensional objects.					
MA 4.2.1.a Identify two- and three- dimensional shapes according to their sides and angle properties	2	0-1	2-3	0	2-4
MA 4.2.1.b Classify an angle as acute, obtuse, and right	2	0-1	1-2	0	1-3
MA 4.2.1.c Identify parallel, perpendicular, and intersecting lines	1	1-2	0	0	1-2
MA 4.2.1.d Identify the property of congruency when dealing with plane geometric shapes	Assessed at the local level				
Gr4 Coordinate Geometry	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 4.2.2 Students will describe locations using coordinate geometry.					
MA 4.2.2.a Identify the ordered pair of a plotted point in first quadrant by its location	1	1-2	0	0	1-2

Nebraska State Mathematics Test Table of Specifications					
Grade 4					
Gr4 Transformations	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 4.2.3 Students will identify simple transformations.					
MA 4.2.3.a Given two congruent geometric shapes, identify the transformation applied to an original shape to create a transformed shape	Assessed at the local level				
Gr4 Spatial Modeling	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 4.2.4 Students will use geometric models to solve problems.					
MA 4.2.4.a Given a geometric model, use it to solve a problem	Assessed at the local level				
Gr4 Measurement	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 4.2.5 Students will apply appropriate procedures and tools to estimate and determine measurement using customary units and metric units.					
MA 4.2.5.a Select and use appropriate tools to measure perimeter of polygons	Assessed at the local level				
MA 4.2.5.b Identify time to the minute on an analog clock	2	0-1	1-2	0	1-3
MA 4.2.5.c Solve problems involving elapsed time	2	0-1	1-2	0	1-3
MA 4.2.5.d Identify the appropriate metric unit for measuring length, weight, and capacity/volume	1	2-4	0	0	2-4
MA 4.2.5.e Estimate and measure length using customary and metric units	Assessed at the local level				
MA 4.2.5.f Measure weight and temperature using customary units	Assessed at the local level				
MA 4.2.5.g Compute simple unit conversions for length within a system of measurement	2	0-1	1-2	0	1-3
ALGEBRAIC CONCEPTS					
Gr4 Relationships	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 4.3.1 Students will represent and analyze relationships.					

Nebraska State Mathematics Test Table of Specifications					
Grade 4					
MA 4.3.1.a Describe, extend, and apply rules about numeric patterns	Assessed at the local level				
MA 4.3.1.b Represent and analyze a variety of patterns using words, tables, and graphs	Assessed at the local level				
MA 4.3.1.c Use ≤ and ≥ symbols to compare quantities	2	0-1	1-2	0	1-3
MA 4.3.1.d Select appropriate operational and relational symbols to make a number sentence true	2	0-1	1-2	0	1-3
Gr4 Modeling in Context	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 4.3.2 Students will create and use models to represent mathematical situations.					
MA 4.3.2.a Model situations that involve the multiplication of whole numbers using number lines and symbols	Assessed at the local level				
MA 4.3.2.b Describe and model quantitative change involving quantitative change involving multiplication	Assessed at the local level				
Gr4 Procedures	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 4.3.3 Students will identify and apply properties of whole numbers to solve equations involving multiplication and division.					
MA 4.3.3.a Represent the idea of a variable as an unknown quantity using a letter or a symbol	Assessed at the local level				
MA 4.3.3.b Use symbolic representation of the identity property of multiplication	Assessed at the local level				
MA 4.3.3.c Use symbolic representations of the commutative property of multiplication	1	1-3	0	0	1-3
MA 4.3.3.d Solve simple one-step whole number equations	1	2-4	0	0	2-4
MA 4.3.3.e Explain the procedures(s) used in solving simple one-step whole number equations	Assessed at the local level				
DATA ANALYSIS/PROBABILITY CONCEPTS					
Gr4 Display and Analysis	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 4.4.1 Students will organize, display, compare, and interpret data.					

Nebraska State Mathematics Test Table of Specifications					
Grade 4					
MA 4.4.1.a Represent data using bar dot/line plots	Assessed at the local level				
MA 4.4.1.b Compare different representations of the same data	2	0-1	1-2	0	1-3
MA 4.4.1.c Interpret data and draw conclusions using dot/line plots	2	0-1	1-2	0	1-3
MA 4.4.1.d Find the mode and range for a set of whole numbers	Assessed at the local level				
MA 4.4.1.e Find the whole number mean for a set of whole numbers	Assessed at the local level				
Gr4 Predictions and Inferences	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 4.4.2 Students will construct predictions based on data.					
MA 4.4.2.a Make predictions based on data to answer questions from tables and bar graphs	2	0-1	1-2	0	1-3
Gr4 Probability	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 4.4.3 Students will find, describe, and compare experimental probabilities.					
MA 4.4.3.a Perform simple experiments and compare the degree of likelihood	Assessed at the local level				

Nebraska State Mathematics Test Table of Specifications					
Grade 5					
NUMBER SENSE					
Gr5 Number System	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 5.1.1 Students will represent and show relationships among positive rational numbers.					
MA 5.1.1.a Demonstrate multiple equivalent representations for whole numbers and decimals through the thousandths place	2	0-1	2-3	0	2-4
MA 5.1.1.b Compare and order whole numbers, fractions, and decimals through the thousandths place	1	2-4	0	0	2-4
MA 5.1.1.c Identify and name fractions in their simplest form and find common denominators for fractions	1	2-4	0	0	2-4
MA 5.1.1.d Recognize and generate equivalent forms of commonly used fractions, decimals, and percents	2	0-1	2-3	0	2-4
MA 5.1.1.e Classify a number as prime or composite	1	1-2	0	0	1-2
MA 5.1.1.f Identify factors and multiples of any whole number	1	1-2	0	0	1-2
MA 5.1.1.g Round whole numbers and decimals to any given place	Assessed at the local level				
Gr5 Operations	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 5.1.2 Students will demonstrate the meaning of arithmetic operations with whole numbers.					
MA 5.1.2.a Use words and symbols to explain the meaning of the identity properties for addition and multiplication	Assessed at the local level				
MA 5.1.2.b Use words and symbols to explain the meaning of the commutative and associative properties of addition and multiplication	Assessed at the local level				
MA 5.1.2.c Use words and symbols to explain the distributive property of multiplication over addition	2	0-1	1-2	0	1-3
Gr5 Computation	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**

Nebraska State Mathematics Test Table of Specifications					
Grade 5					
MA 5.1.3 Students will compute fluently and accurately using appropriate strategies and tools.					
MA 5.1.3.a Add and subtract positive rational numbers	1	2-4	0	0	2-4
MA 5.1.3.b Select, apply, and explain the appropriate method of computation when problem solving	2	0-1	3-4	0	3-5
MA 5.1.3.c Multiply decimals	1	1-3	0	0	1-3
MA 5.1.3.d Divide a decimal by a whole number	1	1-3	0	0	1-3
Gr5 Estimation	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 5.1.4 Students will estimate and check reasonableness of answers using appropriate strategies and tools.					
MA 5.1.4.a Estimate the sums and differences of positive rational numbers to check the reasonableness of such results	2	0-1	1-2	0	1-3
GEOMETRIC/MEASUREMENT CONCEPTS					
Gr5 Characteristics	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 5.2.1 Students will describe relationships among two-dimensional shapes and three-dimensional objects.					
MA 5.2.1.a Identify the number of edges, faces, and vertices of triangular and rectangular prisms	1	1-3	0	0	1-3
MA 5.2.1.b Justify congruence of two-dimensional shapes	Assessed at the local level				
MA 5.2.1.c Justify the classification of two-dimensional shapes	Assessed at the local level				
MA 5.2.1.d Identify degrees on a circle	1	1-2	0	0	1-2
Gr5 Coordinate Geometry	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
5.2.2 Students will identify locations using coordinate geometry.					
MA 5.2.2.a Plot the location of an ordered pair in the first quadrant	1	1-2	0	0	1-2

Nebraska State Mathematics Test Table of Specifications					
Grade 5					
Gr5 Transformations	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 5.2.3 Students will identify simple transformations.					
MA 5.2.3.a Perform one-step transformations on two-dimensional shapes	Assessed at the local level				
Gr5 Spatial Modeling	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
5.2.4 Students will create and use geometric models to solve problems.					
MA 5.2.4.a Build or sketch a geometric model to solve a problem	Assessed at the local level				
MA 5.2.4.b Sketch congruent shapes	Assessed at the local level				
MA 5.2.4.c Build rectangular prisms using cubes	Assessed at the local level				
Gr5 Measurement	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 5.2.5 Students will apply appropriate procedures, tools, and formulas to determine measurements using customary units and metric units.					
MA 5.2.5.a Select and use appropriate tools to measure perimeter and angles	Assessed at the local level				
MA 5.2.5.b Identify correct unit (customary or metric) to the measurement situation	2	0-1	1-2	0	1-3
MA 5.2.5.c Estimate and measure length with customary units to the nearest 1/4 inch	Assessed at the local level				
MA 5.2.5.d Measure capacity/volume with customary units	Assessed at the local level				
MA 5.2.5.e Measure weight (mass) and temperature using metric units	Assessed at the local level				
MA 5.2.5.f Determine the area of rectangles and squares	2	0-1	1-2	0	1-3
ALGEBRAIC CONCEPTS					
Gr5 Relationships	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**

Nebraska State Mathematics Test Table of Specifications					
Grade 5					
MA 5.3.1 Students will represent, analyze, and generalize relationships.					
MA 5.3.1.a Describe, extend, apply rules, and make generalizations about numeric and geometric patterns	Assessed at the local level				
MA 5.3.1.b Create and analyze numeric patterns using words, tables, and graphs	Assessed at the local level				
MA 5.3.1.c Communicate relationships using expressions and equations	Assessed at the local level				
Gr5 Modeling in Context	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 5.3.2 Students will create, use, and compare models representing mathematical situations.					
MA 5.3.2.a Model situations that involve the addition, subtraction, and multiplication of positive rational numbers using words, graphs, and tables	2	0-1	1-2	0	1-3
MA 5.3.2.b Represent a variety of quantitative relationships using tables and graphs	Assessed at the local level				
MA 5.3.2.c Compare different models to represent mathematical situations	Assessed at the local level				
Gr5 Procedures	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 5.3.3 Students will apply properties of simple positive rational numbers to solve one-step equations.					
MA 5.3.3.a Explain the addition property of equality	Assessed at the local level				
MA 5.3.3.b Use symbolic representations of the associative property	2	0	1-2	0	1-2
MA 5.3.3.c Evaluate numerical expressions by using parentheses with respect to order of operations	1	2-4	0	0	2-4
MA 5.3.3.d Evaluate simple algebraic expressions involving addition and subtraction	2	0	1-2	0	1-2
MA 5.3.3.e Solve one-step addition and subtraction equations involving common positive rational numbers	1	1-2	0	0	1-2

Nebraska State Mathematics Test Table of Specifications					
Grade 5					
MA 5.3.3.f Identify and explain the properties of equality used in solving one-step equations involving common positive rational numbers	Assessed at the local level				
DATA ANALYSIS/PROBABILITY CONCEPTS					
Gr5 Display and Analysis	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 5.4.1 Students will organize, display, compare, and interpret data.					
MA 5.4.1.a Represent data using line graphs	2	0	1-2	0	1-2
MA 5.4.1.b Represent the same set of data in different formats	2	0-1	1-2	0	1-3
MA 5.4.1.c Draw conclusions based on a set of data	3	0	0-1	1-2	1-3
MA 5.4.1.d Find the mean, median, mode, and range for a set of whole numbers	Assessed at the local level				
MA 5.4.1.e Generate questions and answers from data sets and their graphical representations	Assessed at the local level				
Gr5 Predictions and Inferences	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 5.4.2 Students will construct predictions based on data.					
MA 5.4.2.a Make predictions based on data to answer questions from tables, bar graphs, and line graphs	Assessed at the local level				
Gr5 Probability	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 5.4.3 Students will determine theoretical probabilities.					
MA 5.4.3.a Perform and record results of probability experiments	Assessed at the local level				
MA 5.4.3.b Generate a list of possible outcomes for a simple event	1	1-3	0	0	1-3
MA 5.4.3.c Explain the likelihood of an event that can be represented by a number from 0 to 1	1	1-3	0	0	1-3

Nebraska State Mathematics Test Table of Specifications					
Grade 6					
NUMBER SENSE					
Gr6 Number System	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 6.1.1 Students will represent and show relationships among positive rational numbers and integers.					
MA 6.1.1.a Show equivalence among common fractions and non-repeating decimals and percents	Assessed at the local level				
MA 6.1.1.b Compare and order positive and negative integers	1	1-3	0	0	1-3
MA 6.1.1.c Identify integers less than 0 on a number line	Assessed at the local level				
MA 6.1.1.d Represent large numbers using exponential notation	1	1-2	0	0	1-2
MA 6.1.1.e Identify the prime factorization of numbers	1	1-3	0	0	1-3
MA 6.1.1.f Classify numbers as natural, whole, or integer	Assessed at the local level				
Gr6 Operations	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 6.1.2 Students will demonstrate the meaning of arithmetic operations with positive fractions and decimals.					
MA 6.1.2.a Use drawings, words, and symbols to explain the meaning of addition and subtraction of fractions	2	0-1	1-3	0	1-4
MA 6.1.2.b Use drawings, words and symbols to explain the meaning of addition and subtraction of decimals	2	0-1	1-3	0	1-4
Gr6 Computation	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 6.1.3 Students will compute fluently and accurately using appropriate strategies and tools.					
MA 6.1.3.a Multiply and divide positive rational numbers	1	1-3	0	0	1-3
MA 6.1.3.b Select and apply the appropriate method of computation when problem solving	2	0-1	2-3	0	2-4

Nebraska State Mathematics Test Table of Specifications					
Grade 6					
Gr6 Estimation	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 6.1.4 Students will estimate and check reasonableness of answers using appropriate strategies and tools.					
MA 6.1.4.a Use appropriate estimation methods to check the reasonableness of solutions for problems involving positive rational numbers	2	0-1	1-2	0	1-3
GEOMETRIC/MEASUREMENT CONCEPTS					
Gr6 Characteristics	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 6.2.1 Students will compare and contrast properties among two-dimensional shapes and three-dimensional objects.					
MA 6.2.1.a Justify the classification of three-dimensional objects	Assessed at the local level				
Gr6 Coordinate Geometry	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 6.2.2 Students will label points using coordinate geometry.					
MA 6.2.2.a Identify the ordered pair of a plotted point in the coordinate plane	1	1-3	0	0	1-3
Gr6 Transformations	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 6.2.3 Students will use and describe results of transformations on geometric shapes.					
MA 6.2.3.a Perform and describe positions and orientation of shapes under single transformations not on a coordinate plane	Assessed at the local level				
Gr6 Spatial Modeling	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 6.2.4 Students will use visualization of geometric models to solve problems.					
MA 6.2.4.a Identify two-dimensional drawings of three-dimensional objects	2	1-2	1-2	0	2-4
Gr6 Measurement	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**

Nebraska State Mathematics Test Table of Specifications					
Grade 6					
MA 6.2.5 Students will apply appropriate procedures, tools, and formulas to determine measurements.					
MA 6.2.5.a Estimate and measure length with customary and metric units to the nearest 1/16 inch and mm	Assessed at the local level				
MA 6.2.5.b Measure volume/capacity using the metric system	Assessed at the local level				
MA 6.2.5.c Convert length, weight, and liquid capacity from one unit to another within the same system	Assessed at the local level				
MA 6.2.5.d Determine the perimeter of polygons	2	1-2	1-2	0	2-4
MA 6.2.5.e Determine the area of parallelograms and triangles	2	1-2	1-2	0	2-4
MA 6.2.5.f Determine the volume of rectangular prisms	2	1-2	1-2	0	2-4
ALGEBRAIC CONCEPTS					
Gr6 Relationships	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 6.3.1 Students will represent, analyze, and use relationships to make generalizations.					
MA 6.3.1.a Describe and create simple algebraic expressions from words and tables	2	0-1	1-2	0	1-3
MA 6.3.1.b Use a variable to describe a situation with an equation	2	0-1	1-2	0	1-3
MA 6.3.1.c Identify relationships as increasing, decreasing, or constant	Assessed at the local level				
Gr6 Modeling in Context	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 6.3.2 Students will create, use, and interpret models of quantitative relationships.					
MA 6.3.2.a Model contextualized problems using various representations	2	2-3	2-3	0	4-6
MA 6.3.2.b Represent a variety of quantitative relationships using symbols and words	Assessed at the local level				
Gr6 Procedures	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**

Nebraska State Mathematics Test Table of Specifications					
Grade 6					
MA 6.3.3 Students will apply properties to solve equations.					
MA 6.3.3.a Explain the multiplication property of equality	Assessed at the local level				
MA 6.3.3.b Evaluate numerical expressions containing multiple operations with respect to order of operations	1	2-4	0	0	2-4
MA 6.3.3.c Evaluate simple algebraic expressions involving multiplication and division	1	1-3	0	0	1-3
MA 6.3.3.d Solve one-step equations involving positive rational numbers	1	1-3	0	0	1-3
MA 6.3.3.e Identify and explain the properties of equality used in solving one-step equations	2	0-1	1-2	0	1-3
DATA ANALYSIS/PROBABILITY CONCEPTS					
Gr6 Display and Analysis	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 6.4.1 Students will organize, display, compare, and interpret data.					
MA 6.4.1.a Represent data using stem and leaf plots, histograms, and frequency charts	Assessed at the local level				
MA 6.4.1.b Compare and interpret data sets and their graphical representations	2	0-1	3-4	0	3-5
MA 6.4.1.c Find the mean, median, mode, and range for a set of data	1	2-4	0	0	2-4
MA 6.4.1.d Compare the mean, median, mode, and range from two sets of data	Assessed at the local level				
Gr6 Predictions and Inferences	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 6.4.2 Students will construct predictions based on data.					
MA 6.4.2.a *Make predictions based on data and create questions to further investigate the quality of the predictions*	Assessed at the local level				
Gr6 Probability	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**

Nebraska State Mathematics Test Table of Specifications					
Grade 6					
MA 6.4.3 Students will apply basic concepts of probability.					
MA 6.4.3.a Describe the theoretical probability of an event using a fraction, percentage, decimal, or ratio	Assessed at the local level				
MA 6.4.3.b Compute theoretical probabilities for independent events	2	0-1	1-2	0	1-3
MA 6.4.3.c Find experimental probability for independent events	1	1-3	0	0	1-3

Nebraska State Mathematics Test Table of Specifications					
Grade 7					
NUMBER SENSE					
Gr7 Number System	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 7.1.1 Students will represent and show relationships among rational numbers.					
MA 7.1.1.a Show equivalence among fractions, decimals, and percents	2	0-1	2-3	0	2-4
MA 7.1.1.b Compare and order rational numbers	2	0-1	1-2	0	1-3
MA 7.1.1.c Represent large numbers using scientific notation	1	1-3	0	0	1-3
MA 7.1.1.d Classify numbers as natural, whole, integer, or rational	Assessed at the local level				
MA 7.1.1.e Find least common multiple and greatest common divisor given two numbers	Assessed at the local level				
Gr7 Operations	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 7.1.2 Students will demonstrate the meaning of arithmetic operations with positive fractions, decimals, and integers.					
MA 7.1.2.a Use drawings, words, and symbols to explain the meaning of multiplication and division of fractions	Assessed at the local level				
MA 7.1.2.b Use drawings, words, and symbols to explain the meaning of multiplication and division of decimals	Assessed at the local level				
MA 7.1.2.c Use drawings, words, and symbols to explain the addition and subtraction of integers	Assessed at the local level				
Gr7 Computation	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 7.1.3 Students will compute fluently and accurately using appropriate strategies and tools.					
MA 7.1.3.a Compute accurately with integers	1	2-3	0	0	2-3
MA 7.1.3.b Select, apply, and explain the method of computation when problem solving using integers and positive rational numbers	2	1-2	1-2	0	2-4
MA 7.1.3.c Solve problems involving percent of numbers	2	1-2	1-2	0	2-4

Nebraska State Mathematics Test Table of Specifications					
Grade 7					
Gr7 Estimation	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 7.1.4 Students will estimate and check reasonableness of answers using appropriate strategies and tools.					
MA 7.1.4.a Use estimation methods to check the reasonableness of solutions for problems involving integers and positive rational numbers	2	0-1	1-2	0	1-3
GEOMETRIC/MEASUREMENT CONCEPTS					
Gr7 Characteristics	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 7.2.1 Students will describe, compare, and contrast properties and relationships of geometric shapes and objects.					
MA 7.2.1.a Identify and describe similarity of two-dimensional shapes using side and angle measurement	Assessed at the local level				
MA 7.2.1.b Name line, line segment, ray, and angle	Assessed at the local level				
Gr7 Coordinate Geometry	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 7.2.2 Students will specify locations and describe relationships using coordinate geometry.					
MA 7.2.2.a Plot the location of an ordered pair in the coordinate plane	1	1-2	0	0	1-2
MA 7.2.2.b Identify the quadrant of a given point in the coordinate plane	Assessed at the local level				
MA 7.2.2.c Find the distance between points along horizontal and vertical lines of a coordinate plane	1	1-2	0	0	1-2
Gr7 Transformations	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 7.2.3 Students will use transformations and symmetry to analyze geometric shapes.					
MA 7.2.3.a Identify lines of symmetry for a reflection	Assessed at the local level				

Nebraska State Mathematics Test Table of Specifications					
Grade 7					
MA 7.2.3.b Perform and describe positions and orientation of shapes under a single transformation on a coordinate plane	2	0-1	1-2	0	1-3
Gr7 Spatial Modeling	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 7.2.4 Students will use visualization to create geometric models in solving problems.					
MA 7.2.4.a Identify the shapes that make up the three-dimensional object	Assessed at the local level				
MA 7.2.4.b Create two-dimensional representations of three-dimensional objects to visualize and solve problems	Assessed at the local level				
MA 7.2.4.c Draw angles to given degree	Assessed at the local level				
Gr7 Measurement	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 7.2.5 Students will select and apply appropriate procedures, tools, and formulas to determine measurements.					
MA 7.2.5.a Measure angles to the nearest degree	Assessed at the local level				
MA 7.2.5.b Determine the area of trapezoids and circles, and the circumference of circles	2	1-2	2-3	0	3-5
MA 7.2.5.c Recognize the inverse relationship between the size of a unit and the number of units used when measuring	Assessed at the local level				
ALGEBRAIC CONCEPTS					
Gr7 Relationships	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 7.3.1 Students will represent and analyze relationships using algebraic symbols.					
MA 7.3.1.a Describe and create algebraic expressions from words, tables, and graphs	2	0-1	2-3	0	2-4
MA 7.3.1.b Use a variable to describe a situations with an inequality	2	0	1-2	0	1-2
MA 7.3.1.c Recognize and generate equivalent forms of simple algebraic expressions	Assessed at the local level				
Gr7 Modeling in Context	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**

Nebraska State Mathematics Test Table of Specifications					
Grade 7					
MA 7.3.2 Students will create, use, and interpret models of quantitative relationships.					
MA 7.3.2.a Model contextualized problems using various representations	2	1-2	2-3	0	3-5
MA 7.3.2.b Represent a variety of quantitative relationships using algebraic expressions and one-step equations	Assessed at the local level				
Gr7 Procedures	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 7.3.3 Students will apply properties to solve equations and inequalities.					
MA 7.3.3.a Explain additive inverse of addition	Assessed at the local level				
MA 7.3.3.b Use symbolic representation of the distributive property	Assessed at the local level				
MA 7.3.3.c Given the value of the variable(s), evaluate algebraic expressions with respect to order of operations	1	3-5	0	0	3-5
MA 7.3.3.d Solve two-step equations involving integers and positive rational numbers	2	0-1	1-3	0	2-4
MA 7.3.3.e Solve one-step inequalities involving positive rational numbers	2	0-1	2-3	0	2-4
MA 7.3.3.f Identify and explain the properties used in solving two-step equations	Assessed at the local level				
DATA ANALYSIS/PROBABILITY CONCEPTS					
Gr7 Display and Analysis	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 7.4.1 Students will formulate questions that can be addressed with data, and then organize, display, and analyze the relevant data to answer their questions.					
MA 7.4.1.a Analyze data sets and interpret their graphical representations	2	0-1	2-3	0	2-4
MA 7.4.1.b Find and interpret mean, median, mode, and range for sets of data	2	0-1	1-2	0	1-3
MA 7.4.1.c Explain the difference between a population and a sample	Assessed at the local level				

Nebraska State Mathematics Test Table of Specifications					
Grade 7					
MA 7.4.1.d List biases that may be created by various data collection processes	Assessed at the local level				
MA 7.4.1.e Formulate a question about a characteristic that can be answered by simulation or a survey	Assessed at the local level				
Gr7 Predictions and Inferences	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 7.4.2 Students will evaluate predictions and make inferences based on data.					
MA 7.4.2.a Determine if data collected from a sample can be used to make predictions about a population	Assessed at the local level				
Gr7 Probability	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 7.4.3 Students will apply and interpret basic concepts of probability.					
MA 7.4.3.a Find the probability of independent compound events	2	0	1-2	0	1-2
MA 7.4.3.b Compare and contrast theoretical and experimental probabilities	2	0	1-2	0	1-2

Nebraska State Mathematics Test Table of Specifications					
Grade 8					
NUMBER SENSE					
Gr8 Number System	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 8.1.1 Students will represent and show relationships among real numbers.					
MA 8.1.1.a Compare and order real numbers	2	0	1-2	0	1-2
MA 8.1.1.b Demonstrate relative position of real numbers on the number line	Assessed at the local level				
MA 8.1.1.c Represent small numbers using scientific notation	2	0-1	1-2	0	1-3
MA 8.1.1.d Classify numbers as natural, whole, integer, rational, irrational, or real	1	1-2	0	0	1-2
Gr8 Operations	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 8.1.2 Students will demonstrate the meaning of arithmetic operations with integers.					
MA 8.1.2.a Use drawings, words, and symbols to explain the meaning of addition, subtraction, multiplication, and division of integers	Assessed at the local level				
MA 8.1.2.b Use words and symbols to explain the zero property of multiplication	Assessed at the local level				
MA 8.1.2.c Use words and symbols to explain why division by zero is undefined	Assessed at the local level				
Gr8 Computation	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 8.1.3 Students will compute fluently and accurately using appropriate strategies and tools.					
MA 8.1.3.a Compute accurately with rational numbers	1	2-4	0	0	2-4
MA 8.1.3.b Evaluate expressions involving absolute value of integers	1	1-3	0	0	1-3
MA 8.1.3.c Calculate squares of integers, the square roots of perfect squares, and the square roots of whole numbers using technology	Assessed at the local level				

Nebraska State Mathematics Test Table of Specifications					
Grade 8					
MA 8.1.3.d Select, apply, and explain the method of computation when problem solving using rational numbers	2	0-1	2-3	0	2-4
MA 8.1.3.e Solve problems involving ratios and proportions	2	0-1	2-3	0	2-4
Gr8 Estimation	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 8.1.4 Students will estimate and check reasonableness of answers using appropriate strategies and tools.					
MA 8.1.4.a Use estimation methods to check the reasonableness of solutions for problems involving rational numbers	2	0-1	1-2	0	1-3
GEOMETRIC/MEASUREMENT CONCEPTS					
Gr8 Characteristics	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 8.2.1 Students will describe, compare, and contrast characteristics, properties, and relationships of geometric shapes and objects.					
MA 8.2.1.a Identify and describe similarity of three-dimensional objects	Assessed at the local level				
MA 8.2.1.b Compare and contrast relationships between similar and congruent objects	Assessed at the local level				
MA 8.2.1.c Identify geometric properties of parallel lines cut by a transversal and related angles	1	2-4	0	0	2-4
MA 8.2.1.d Identify pairs of angles	1	2-4	0	0	2-4
MA 8.2.1.e Examine the relationships of the interior angles of a triangle	2	0-1	1-2	0	1-3
Gr8 Coordinate Geometry	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 8.2.2 Students will specify locations and describe spatial relationships using coordinate geometry.					
MA 8.2.2.a Use coordinate geometry to represent and examine the properties of rectangles and squares using horizontal and vertical segments	2	0-1	1-2	0	1-3

Nebraska State Mathematics Test Table of Specifications					
Grade 8					
Gr8 Transformations	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 8.2.3 Students will perform transformations and use them to analyze the orientation and size of geometric shapes.					
MA 8.2.3.a Identify the similarity of dilated shapes	Assessed at the local level				
MA 8.2.3.b Perform and describe positions and sizes of shapes under dilations	Assessed at the local level				
Gr8 Spatial Modeling	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 8.2.4 Students will use visualization, spatial reasoning, and geometric modeling to solve problems.					
MA 8.2.4.a Draw geometric objects with specified properties	Assessed at the local level				
Gr8 Measurement	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 8.2.5 Students will select and apply appropriate procedures, tools, and formulas to determine measurements.					
MA 8.2.5.a Use strategies to find the perimeter and area of complex shapes	Assessed at the local level				
MA 8.2.5.b Determine surface area and volume of three-dimensional objects	Assessed at the local level				
MA 8.2.5.c Apply the Pythagorean theorem to find missing lengths in right triangles and to solve problems	2	0-1	2-3	0	2-4
MA 8.2.5.d Use scale factors to find missing lengths in similar shapes	1	1-3	0	0	1-3
MA 8.2.5.e Convert between metric and standard units of measurement, given conversion factors	Assessed at the local level				
ALGEBRAIC CONCEPTS					
Gr8 Relationships	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 8.3.1 Students will represent and analyze relationships using algebraic symbols.					

Nebraska State Mathematics Test Table of Specifications					
Grade 8					
MA 8.3.1.a Represent and analyze a variety of patterns with tables, graphs, words, and algebraic equations	Assessed at the local level				
MA 8.3.1.b Describe relationships using algebraic expressions, equations, and inequalities	2	0-1	2-4	0	2-5
MA 8.3.1.c Identify constant slope from tables and graphs	Assessed at the local level				
Gr8 Modeling in Context	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 8.3.2 Students will create, use, and interpret models of quantitative relationships.					
MA 8.3.2.a Model contextualized problems using various representations	3	0	2-3	1-2	3-5
MA 8.3.2.b Represent a variety of quantitative relationships using algebraic expressions and two-step/one-step variable equations	Assessed at the local level				
Gr8 Procedures	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 8.3.3 Students will apply properties to solve equations and inequalities.					
MA 8.3.3.a Explain the multiplicative inverse	Assessed at the local level				
MA 8.3.3.b Evaluate numerical expressions containing whole number exponents	2	1-3	1-2	0	2-5
MA 8.3.3.c Solve multi-step equations involving rational numbers	2	0-1	2-4	0	2-5
MA 8.3.3.d Solve two-step inequalities involving rational numbers	2	0-1	2-4	0	2-5
MA 8.3.3.e Identify and explain the properties used in solving two-step inequalities and multi-step equations	Assessed at the local level				
DATA ANALYSIS/PROBABILITY CONCEPTS					
Gr8 Display and Analysis	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 8.4.1 Students will formulate questions that can be addressed with data, and then organize, display, and analyze the relevant data to answer their questions.					

Nebraska State Mathematics Test Table of Specifications					
Grade 8					
MA 8.4.1.a Represent data using circle graphs and box plots with and without the use of technology	Assessed at the local level				
MA 8.4.1.b Compare characteristics between sets of data or within a given set of data	3	0	1-2	1-2	2-4
MA 8.4.1.c Find, interpret, and compare measures of central tendency (mean, median, and mode) and the quartiles for sets of data	Assessed at the local level				
MA 8.4.1.d Select the most appropriate unit of central tendency for sets of data	2	0-1	1-2	0	1-3
MA 8.4.1.e Identify misrepresentation and misinterpretation of data represented in circle graphs and box plots	2	0-1	1-2	0	1-3
Gr8 Predictions and Inferences	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 8.4.2 Students will evaluate predictions and make inferences based on data.					
MA 8.4.2.a Evaluate predictions to formulate new questions and plan new studies	Assessed at the local level				
MA 8.4.2.b Compare and contrast two sets of data to make inferences	Assessed at the local level				
Gr8 Probability	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 8.4.3 Students will apply and interpret basic concepts of probability.					
MA 8.4.3.a Identify complementary events and calculate their probabilities	2	0-1	1-2	0	1-3
MA 8.4.3.b Compute probabilities for independent compound events	2	0-1	1-2	0	1-3

Nebraska State Mathematics Test Table of Specifications					
Grade 11					
NUMBER SENSE					
Gr11 Number System	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 12.1.1 Students will represent and show relationships among real numbers.					
MA 12.1.1.a Demonstrate multiple equivalent forms of irrational numbers	Assessed at the local level				
MA 12.1.1.b Compare, contrast, and apply the properties of numbers and the real number system, including the rational, irrational, imaginary and complex numbers	Assessed at the local level				
Gr11 Operations	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 12.1.2 Students will demonstrate the meaning and effects of arithmetic operations with real numbers.					
MA 12.1.2.a Use drawings, words, and symbols to explain the effects of such operations as multiplication and division, and computing positive powers and roots on the magnitude of quantities	Assessed at the local level				
MA 12.1.2.b Use drawings, words, and symbols to explain that the distance between two numbers on the number line is the absolute value of their difference	Assessed at the local level				
Gr11 Computation	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 12.1.3 Students will compute fluently and accurately using appropriate strategies and tools.					
MA 12.1.3.a Compute accurately with real numbers	1	1-2	0	0	1-2
MA 12.1.3.b Simplify exponential expressions	2	0	1-2	0	1-2
MA 12.1.3.c Multiply and divide numbers using scientific notation	Assessed at the local level				
MA 12.1.3.d Select, apply, and explain the method of computation when problem solving using real numbers	Assessed at the local level				
Gr11 Estimation	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**

Nebraska State Mathematics Test Table of Specifications					
Grade 11					
MA 12.1.4 Students will estimate and check reasonableness of answers using appropriate strategies and tools.					
MA 12.1.4.a Use estimation methods to check the reasonableness of real number computations and decide if the problem calls for an approximation or an exact number	2	0-1	1-2	0	1-3
MA 12.1.4.b Distinguish relevant from irrelevant information, identify missing information and either find what is needed or make appropriate estimates	Assessed at the local level				
GEOMETRIC/MEASUREMENT CONCEPTS					
Gr11 Characteristics	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 12.2.1 Students will analyze characteristics, properties, and relationships among geometric shapes and objects.					
12.2.1.a Identify and explain the necessity of and give examples of definitions and theorems	Assessed at the local level				
MA 12.2.1.b Analyze properties and relationships among classes of two and three dimensional geometric objects using inductive reasoning and counterexamples	Assessed at the local level				
MA 12.2.1.c State and prove geometric theorems using deductive reasoning	Assessed at the local level				
MA 12.2.1.d Apply geometric properties to solve problems	2	0-1	3-4	0	3-5
MA 12.2.1.e Identify and apply right triangle relationships	2	0-1	2-4	0	2-5
MA 12.2.1.f Recognize that there are geometries, other than Euclidean geometry, in which the parallel postulate is not true	Assessed at the local level				
MA 12.2.1.g Know the definitions and basic properties of a circle and use them to prove basic theorems and solve problems	Assessed at the local level				
Gr11 Coordinate Geometry	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**

Nebraska State Mathematics Test Table of Specifications					
Grade 11					
MA 12.2.2 Students will use coordinate geometry to analyze and describe relationships in the coordinate plane.					
MA 12.2.2.a Use coordinate geometry to analyze geometric situations	2	0-1	2-3	0	2-4
MA 12.2.2.b Apply the midpoint formula	Assessed at the local level				
MA 12.2.2.c Apply the distance formula	2	0-1	1-2	0	1-3
MA 12.2.2.d Prove special types of triangles and quadrilaterals	3	0	0-1	1-2	1-3
Gr11 Transformations	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 12.2.3 Students will apply and analyze transformations.					
MA 12.2.3.a Explain and justify the effects of simple transformations on the ordered pairs of two-dimensional shapes	Assessed at the local level				
MA 12.2.3.b Perform and describe multiple transformations	Assessed at the local level				
Gr11 Spatial Modeling	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 12.2.4 Students will use visualization, spatial reasoning, and geometric modeling to solve problems.					
MA 12.2.4.a Sketch and draw appropriate representations of geometric objects using ruler, protractor, or technology	Assessed at the local level				
MA 12.2.4.b Use geometric models to visualize, describe, and solve problems	2	0-1	2-3	0	2-4
Gr11 Measurement	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 12.2.5 Students will apply the units, systems, and formulas to solve problems.					
MA 12.2.5.a Use strategies to find surface area and volume of complex objects	Assessed at the local level				
MA 12.2.5.b Apply appropriate units and scales to solve problems involving measurement	Assessed at the local level				

Nebraska State Mathematics Test Table of Specifications					
Grade 11					
MA 12.5.c Convert between various units of area ad volume, such as square feet to square yards	Assessed at the local level				
MA 12.2.5.d Convert equivalent rates	2	1-2	1-2	0	2-4
MA 12.2.5.e Find arc length and area of sectors of a circle	Assessed at the local level				
MA 12.2.5.f Determine surface area and volume of three-dimensional objects	Assessed at the local level				
MA 12.2.5.g Know that the effect of a scale factor k on length, area and volume is to multiply each k, k^2 and k^3, respectively	Assessed at the local level				
ALGEBRAIC CONCEPTS					
Gr11 Relationships	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 12.3.1 Students will generalize, represent, and analyze relationships using algebraic symbols.					
MA 12.3.1.a Represent, interpret, and analyze functions with graphs, tables, and algebraic notation, and convert among these representations	3	0	2-3	1-2	3-5
MA 12.3.1.b Identify domain and range of functions represented in either symbolic or graphical form	Assessed at the local level				
MA 12.3.1.c Identify the slope and intercepts of a linear relationship from an equation or graph	2	0-1	2-3	0	2-4
MA 12.3.1.d Identify characteristics of linear and non-linear functions	3	0	2-3	1-2	3-5
MA 12.3.1.e Graph linear and non-linear functions	Assessed at the local level				
MA 12.3.1.f Compare and analyze the rate of change by using ordered pairs, tables, graphs, and equations	3	0	1-2	1-2	2-4
MA 12.3.1.g Graph and interpret linear inequalities	Assessed at the local level				
MA 12.3.1.h Represent, interpret, and analyze functions and their inverses	Assessed at the local level				
MA 12.3.1.i Determine if a relation is a function	Assessed at the local level				
Gr11 Modeling in Context	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**

Nebraska State Mathematics Test Table of Specifications					
Grade 11					
MA 12.3.2 Students will model and analyze quantitative relationships.					
MA 12.3.2.a Model contextualized problems using various representations	Assessed at the local level				
MA 12.3.2.b Represent a variety of quantitative relationships using linear equations and one variable inequalities	3	0	0	2-4	2-4
MA 12.3.2.c Analyze situations to determine the type of algebraic relationship	Assessed at the local level				
MA 12.3.2.d Model contextualized problems using various representations for non-linear functions	Assessed at the local level				
Gr11 Procedures	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 12.3.3 Students will represent and solve equations and inequalities.					
MA 12.3.3.a Explain/apply the reflexive, symmetric, and transitive properties of equality	Assessed at the local level				
MA 12.3.3.b Simplify algebraic expressions involving exponents	1	1-3	0	0	1-3
MA 12.3.3.c Add and subtract polynomials	1	1-3	0	0	1-3
MA 12.3.3.d Multiply and divide polynomials	1	1-3	0	0	1-3
MA 12.3.3.e Factor polynomials	Assessed at the local level				
MA 12.3.3.f Identify and generate equivalent forms of linear equations	1	1-3	0	0	1-3
MA 12.3.3.g Solve linear equations and inequalities including absolute value	Assessed at the local level				
MA 12.3.3.h Identify and explain the properties used in solving equations and inequalities	Assessed at the local level				
MA 12.3.3.i Solve quadratic equations	Assessed at the local level				
MA 12.3.3.j Add, subtract, and simplify rational expressions	Assessed at the local level				
MA 12.3.3.k Multiply, divide, and simplify rational expressions	Assessed at the local level				

Nebraska State Mathematics Test Table of Specifications					
Grade 11					
MA 12.3.3.l Evaluate polynomial and rational expressions and expressions containing radicals and absolute values at specified values of their variables	Assessed at the local level				
MA 12.3.3.m Derive and use the formulas for the general term and summation of finite arithmetic and geometric series	Assessed at the local level				
MA 12.3.3.n Combine functions by composition, as well as by addition, subtraction, multiplication, and division	Assessed at the local level				
MA 12.3.3.o Solve an equation involving several variables for one variable in terms of the others	Assessed at the local level				
MA 12.3.3.p Analyze and solve systems of two linear equations in two variables algebraically and graphically	Assessed at the local level				
DATA ANALYSIS/PROBABILITY CONCEPTS					
Gr11 Display and Analysis	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 12.4.1 Students will formulate a question and design a survey or an experiement in which data is collected and displayed in a variety of formats, then select and use appropriate statistical methods to analyze the data.					
MA 12.4.1.a Interpret data represented by the normal distribution and formulate conclusions	Assessed at the local level				
MA 12.4.1.b Compute, identify, and interpret measures of central tendency (mean, median, mode) when provided a graph or data set	Assessed at the local level				
MA 12.4.1.c Explain how sample size and transformations of data affect measures of central tendency	Assessed at the local level				
MA 12.4.1.d Describe the shape and determine the spread (variance, standard deviation) and outliers of a data set	2	0	2-3	0	2-3
MA 12.4.1.e Explain how statistics are used or misused in the world	Assessed at the local level				
MA 12.4.1.f Create scatter plots, analyze patterns, and describe relationships in paired data	Assessed at the local level				

Nebraska State Mathematics Test Table of Specifications					
Grade 11					
MA 12.4.1.g Explain the impact of sampling methods, bias, and the phrasing of questions asked during data collection and the conclusions that can rightfully be made	Assessed at the local level				
MA 12.4.1.h Explain the differences between randomized experiment and observational studies	Assessed at the local level				
Gr11 Predictions and Inferences	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 12.4.2 Students will develop and evaluate inferences to make predictions.					
MA 12.4.2.a Compare data sets and evaluate conclusions using graphs and summary statistics	Assessed at the local level				
MA 12.4.2.b Support inferences with valid arguments	Assessed at the local level				
MA 12.4.2.c Develop linear equations for linear models to predict unobserved outcomes using regression line and correlation coefficient	Assessed at the local level				
MA 12.4.2.d Recognize when arguments based on data confuse correlation with causation	Assessed at the local level				
Gr11 Probability	**DOK Level**	**DOK 1**	**DOK 2**	**DOK 3**	**Item Total**
MA 12.4.3 Students will apply and analyze concepts of probability.					
MA 12.4.3.a Construct a sample space and a probability distribution	Assessed at the local level				
MA 12.4.3.b Identify dependent and independent events and calculate their probabilities	2	1-2	1-2	0	2-4
MA 12.4.3.c Use the appropriate counting techniques to determine the probability of an event	2	1-2	0-1	0	1-3
MA 12.4.3.d Analyze events to determine if they are mutually exclusive	2	0-1	1-2	0	1-3
MA 12.4.3.e Determine the relative frequency of a specified outcome of an event to estimate the probability of the outcome	Assessed at the local level				

Appendix D: Confidentiality Agreement

NEBRASKA DEPARTMENT OF EDUCATION

NEBRASKA STATE ACCOUNTABILITY-READING (NESA-R)

_____

_____, 2009

CONFIDENTIALITY AGREEMENT

TEST SECURITY IS OF THE UTMOST IMPORTANCE TO THE NEBRASKA DEPARTMENT OF EDUCATION. AS A PARTICIPANT IN THIS _____, YOU HAVE ACCESS TO TEST ITEMS THAT MUST BE REGARDED AS CONFIDENTIAL. **DO NOT REPRODUCE ANY MATERIALS, DIRECTLY OR INDIRECTLY, DISCLOSE THE CONTENTS OF THESE MATERIALS, OR DISCUSS THE MATERIALS OR ANY ISSUES THAT ARISE DURING THE MEETINGS WITH INDIVIDUALS OUTSIDE OF THE MEETING ITSELF.**

WE ARE CERTAIN THAT YOU SHARE OUR CONCERN FOR TEST SECURITY AND ASK THAT YOU ACKNOWLEDGE YOUR ADHERENCE TO THIS AGREEMENT BY SIGNING BELOW.

LEGAL FIRST NAME _____ *MI* _____ *LEGAL LAST NAME* _____

SCHOOL _____

SIGNATURE _____ *DATE* _____

Appendix E: Fairness in Testing Manual

FAIRNESS IN TESTING

Guidelines for Training
Bias, Fairness, and Sensitivity Issues

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INTRODUCTION

The most important part of the development of any new test is to ensure balanced treatment and control of potential bias, stereotyping, and insensitivity in the items or in the test-related materials. Data Recognition Corporation (DRC) understands that the presence of any type of bias in a test is undesirable not only from a civil rights point of view, but also from a measurement point of view. Issues of bias, fairness, and sensitivity in testing can have a direct impact on test scores. Our test developers are committed to the development of items and tests that are fair for all students. At every stage of the item and test development process, we employ procedures that are designed to ensure that our items and tests meet Standard 7.4 of the *Standards for Educational and Psychological Testing* (AERA, APA, NCME, 1999).

> Standard 7.4: Test developers should strive to identify and eliminate language, symbols, words, phrases, and content that are generally regarded as offensive by members of racial, ethnic, gender, or other groups, except when judged to be necessary for adequate representation of the domain.

In meeting Standard 7.4, DRC employs a series of internal quality steps that we believe are among some of the best in the industry. We provide specific training for our test developers, item writers, and reviewers on how to write, review, revise, and edit items for issues of bias, fairness, and sensitivity, as well as for technical quality. Our training also includes an awareness of and sensitivity to issues of cultural diversity.

In addition to providing *internal* training in reviewing items in order to eliminate potential bias, we also provide *external* training to our clients, including state departments of education, review panels of minority experts, teachers, and other stakeholders. DRC understands the importance of having external panels with a wide variety of expertise in reviewing items and tests for potential bias. External panels of professionals provide a review of items for subtle forms of bias that often can be perceived only by individuals who possess a wide variety of appropriate expertise and represent specific constituencies.

This manual has been prepared to summarize DRC's guidelines for bias, fairness, and sensitivity, including how to eliminate language, symbols, words, phrases, and content that might be considered offensive by members of racial, ethnic, gender, or other groups. Our guidelines may be modified to meet client's requirements and/or state-specific guidelines.

DEFINITION OF BIAS

While there are many definitions of bias, the following definition is provided on page 76 of the *Standards for Educational and Psychological Testing* (AERA, APA, NCME, 1999):

> The term *bias* in tests and testing refers to construct-irrelevant components that result in systematically lower or higher scores for identifiable groups of examinees. In other words, **bias is the presence of some characteristic of an item and/or test that results in two individuals of the same ability but from different subgroups performing differently on the item and/or test.** Therefore, it is most important that there are no ambiguities in the test items (questions and responses), passages, prompts, stimulus materials, artwork, graphs, charts, and test-related ancillaries.

TYPES OF BIAS

There are many types of bias. They include stereotyping and discriminating against people because of gender, regional or geographical differences, ethnicity or culture, socioeconomic or class status, religion, or age, as well as bias against other groups of people, including those with disabilities. Another form of bias involves the use of questions and/or activities in the items or on a test as a whole that are not relevant to the life experiences of the students responding to the items or test. A definition of each type of bias, along with samples, is provided below.

STEREOTYPING

"Stereotype is an image formed by ascribing certain characteristics (e.g., physical, cultural, personal, occupational, historical) to all members of a group" (National Evaluation Systems, Inc. page 2). Stereotyping in test items and tests might include physical characteristics, intellectual characteristics, emotions, careers, activities, and domestic or social roles. In writing or reviewing test items, it is very important that all groups are portrayed fairly, without stereotyping. As a result, there should be a range of characteristics, careers, and social roles across all groups, and no one group should be characterized by any one particular attribute or characteristic. Following are examples of stereotyping.

Stereotype	***Examples***
PHYSICAL CHARACTERISTICS	MALES ARE STRONG AND CAPABLE LEADERS. Females are weak. The elderly are feeble and sickly. Children are healthy and full of energy. The elderly are dependent upon others. People with disabilities are dependent upon others. Females worry about their hair.
Intellectual characteristics	Males do better in mathematics and science. Females do better in reading and language arts. Asian Americans excel in academics.
Emotions	Males are aggressive, courageous, and strong. Females are weak, weepy, tender, and fearful.

Types of Bias

Stereotyping (continued)

Stereotyping	***Examples***
Careers	Females are nurses, teachers, and secretaries. Males are doctors, principals, superintendents, lawyers, and skilled laborers (e.g., plumbers, construction workers, painters). African-Americans are athletes. Hispanics operate lawn care businesses. Asian-Americans own dry cleaning businesses.
Activities	Females play with dolls and read books. Females do domestic chores (e.g., clean house, cook, sew). Females spend money. Males play sports and work with tools. Boys are rowdy. Girls are quiet.
Domestic and/or Social Roles	Females are responsible for childcare. Men work outside of the home and are the breadwinners.
Community	Asian-Americans live in ethnic neighborhoods. African-Americans live in high-rise apartment buildings located in urban areas. American Indians live on reservations.
Leadership	Men are leaders and rulers. Women are followers. Women are dependent on men. Men are elected to political positions. Females in leadership roles are aggressive and pushy.

TYPES OF BIAS (CONTINUED)

GENDER BIAS

Gender bias involves items (questions and responses), passages, prompts, stimulus materials, artwork, graphs, charts, and test-related ancillaries that show members of either sex in stereotypical activities, emotions, occupations, characteristics, and/or situations. Gender bias also involves the use of demeaning labels.

Examples of gender bias

TITLES AND SPECIFIC TERMS REFERRING TO HUMANITY AT LARGE, SUCH AS

- Mankind
- Manhood
- Manpower
- Man of the hour
- Man-hours
- Man-made

Use of gender specific terms for occupations, such as

- Fireman
- Workman
- Chairman
- Policeman
- Mailman
- Salesman
- Insurance man
- Businessman
- Congressman
-

Use of pronouns that imply a stereotype, such as

- The nurse went to the hospital, and *she* was able to talk with the patient.
- The factory worker needed to earn more money for *his* family.
- When the lawyer delivered *his* closing remarks, the jury listened carefully.
- A politician must give a lot of speeches when *he* runs for office.

Use of phrases that identify genders in terms of their roles or occupations, such as

- Men and girls were invited to the lecture.
- The travelers took their wives and children with them.
- The happy couple was introduced as man and wife.

TYPES OF BIAS

GENDER BIAS (CONTINUED)

Use of phrases or words with an emphasis on marital status, such as

- Abraham Lincoln and Mrs. Lincoln attended the play.
- George Washington and Martha visited the new building.
- Dr. and Mrs. Jones attended the opening of the new warehouse.
- The admirable Dr. George Halstead and his wife, Maria, visited the library.

Use of words that identify genders in the salutation of a business letter, such as

- Dear Sir:
- Dear Madam:
- Dear Gentlemen:

Use of words or phases that are not parallel, such as

- The girls' restroom is down the hall, and the men's restroom is on the second floor.
- The boys' locker room door is painted green, and the women's locker room door is painted yellow.
- The men's department is on the right; the ladies' department is on the left.

Use of figures of speech, such as

- Old wives' tale
- Right-hand man
- Man versus nature
- The best man for the job
- The better half

Use of gender-specific terms or diminutive words, such as

- Sweet young thing
- Usherette
- Housewife
- Maid
- Cleaning lady
- Little woman
- Career girl
- Houseboy
- Steward

TYPES OF BIAS (CONTINUED)

Regional or Geographical Bias

Regional and/or geographical bias involves items (questions and responses), passages, prompts, stimulus materials, artwork, graphs, charts, and test-related ancillaries that include terms that are not commonly used nationwide or within a particular region or state to which the test will be given. It also involves the use of terms that have different connotations in different parts of the country and/or geographical regions. It is important to note that some experiences may not be common to all students. For example, within a given geographic area not all students might be familiar with snow, so questions involving sleds and toboggans, for example, may well reflect a regional or geographical bias.

Examples of regional or geographical bias

- She ordered a new davenport (couch or sofa).
- Go get your toboggan (hat or type of sled).
- The students stood in line at the bubbler (water fountain or drinking fountain).
- Turn left at the berm (curb).
- Take the pike (road).

Ethnic or Cultural Bias

Ethnic bias involves items (questions and responses), passages, prompts, stimulus materials, artwork, graphs, charts, and test-related ancillaries that include terms that are demeaning and/or offensive to a particular ethnic group or culture. In addition, no minority group should be portrayed as being uneducated or poor.

Examples of ethnic or cultural bias

- Maria was in the kitchen making tacos.
- The Chinese owned a laundry in our area.
- Native Americans are very close to nature.

Terminology

Terms that have a negative connotation or that reinforce negative judgments should also be avoided. Following is a list of **acceptable** terms.

- African-American
- Asian-American or Pacific Island American
- Latino, Mexican-American, Hispanic
- Tribal name (preferred), Native American, American Indian
- European-American

Socioeconomic or Class Bias

Socioeconomic or class bias involves items (questions and responses), passages, prompts, stimulus materials, artwork, graphs, charts, and test-related ancillaries that include activities, possessions, or ideas that may not be common to all students within a given area. For example, not all students in a given area own CD players or video games, nor do all students in a given area participate in certain sports activities, such as golf, snow skiing, or sailing. In addition, not all students in a given area take expensive vacations or attend expensive schools.

Examples of socioeconomic or class bias

- They were members of the country club.
- Boarding school.
- How many golf balls landed in the lake?
- The club members plan to go snow skiing over the holidays.
- My great aunt lives in a town house overlooking Lake Michigan.

Religious Bias

Religious bias involves items (questions and responses), passages, prompts, stimulus materials, artwork, graphs, charts, and test-related ancillaries that include terms that are demeaning and/or offensive to a particular religious group.

Examples of religious bias

- The house on Smith Street is decorated for Halloween.
- There were several Christmas trees in the window.
- The students in the class will stand and say the *Pledge of Allegiance*.
- The high school students will be attending a rock-and-roll dance at the community center.

It is also important to note that no religious belief or practice should be portrayed as a universal norm or as inferior or superior to any other.

TYPES OF BIAS

Ageism (Bias Against a Particular Age Group)

There are other subtle forms of bias, including bias against the elderly or ageism. Ageism involves items (questions and responses), passages, prompts, stimulus materials, artwork, graphs, charts, and test-related ancillaries that include terms that are demeaning and/or offensive to the elderly or older persons (65 years or older). Ageism can also involve issues of bias with other age groups, including teenagers and young children.

It is important to note, however, that representing older persons or any age group fairly does not mean that the content of the items has to be revised or rewritten to seem unrealistic. Rather, as a whole, the items and the test should show older people or any age group in a variety of roles and activities whenever they appear naturally in the test content.

Examples of ageism (bias against a particular age group)

- Despite the fact that she was very old, she was able to walk down the stairs.
- The child's grandfather seemed senile.
- They were acting like typical irresponsible teenagers.

Bias Against Persons with Disabilities

Another form of subtle bias involves issues of bias related to persons with disabilities. This type of bias involves items (questions and responses), passages, prompts, stimulus materials, artwork, graphs, charts, and test-related ancillaries that include terms that are demeaning and/or offensive to persons with disabilities. It is important to note, however, that representing persons with disabilities does not mean that the content of the items has to be revised or rewritten to seem unrealistic. Rather, as a whole, the items and the test should show people with disabilities in a variety of roles and activities whenever they appear naturally in the test content.

Examples of bias against persons with disabilities

- After the car accident, the student was confined to a wheelchair.
- He became a successful writer despite his disability.
- She is a blind person.
- The student is handicapped.
- The child made great strides in overcoming her disability.

TYPES OF BIAS

Bias Against Persons with Disabilities (continued)

Terminology

Terms that have a negative connotation or that reinforce negative judgments (crippled, victim, afflicted, confined, etc.) should also be avoided. It is also important that no one with a disability should be pictured as helpless or portrayed as pitiful.

Do not use	*Use*
Retarded	Developmentally delayed
Hard of hearing	Hearing impaired
Deaf and Dumb or Deaf-mute	Deaf or hard-of-hearing used accurately
Learning-disabled	Person with a learning disability
Handicap	Disability
	Visually-impaired or Blind used accurately

EXPERIENTIAL BIAS

The questions and activities reflected in the items or test, as a whole, should also be relevant to the life experiences of the students responding to the items. In other words, for a student to respond sensibly to the test questions, he or she must know what the question is about. In addition, culturally specific knowledge should be avoided, along with the use of difficult words and figures of speech.

Examples of experiential bias

- Pat knew she would win the race as she had an ace up her sleeve.
- Put the pedal to the metal and clean up your room.
- I needed change for the subway turnstile.
- The arroyos filled quickly during the storm.
- The super takes care of cleaning the foyer.

MAINTAINING BALANCE

Bias may also occur as a result of having a lack of balance through underrepresentation of a particular ethnic group and/or gender. Therefore, whenever possible, tests and test-related materials should contain content that is balanced across ethnic groups and across gender. The content of the pool of items and/or test, as a whole, should also reflect cultural diversity. In order to achieve balance, the test developers at DRC review the pool of items or the test, as a whole, to determine whether or not there is an adequate representation of

- Females and males in both traditional and nontraditional roles
- Female and male names
- Minority groups in various environments and occupations
- Minority groups, including the use of names

The issue of fairness also involves content inclusiveness. Subtle forms of bias can result from omitting certain areas of information and/or from omitting certain topics. Wherever possible, the content should show people in everyday situations and groups should be depicted as fully integrated in the society, reflecting the diverse multicultural composition of society as a whole (NES, page 9).

TOPICS TO AVOID

Because issues of bias, fairness, and sensitivity in testing can have a direct impact on the test scores, it is also important that sensitive and offensive topics be avoided. A topic might be considered offensive or controversial if it offends teachers, students, parents, or the community at large. This includes highly charged and controversial topics such as abortion, the death penalty, and evolution. Unacceptable content might also include less controversial topics, such as the use of tobacco or topics that could evoke unpleasant emotions on the part of a given student. In addition, topics that appear to promote or defend a particular set of values should be avoided. It is important to remember that the ability of the student to take the test should never be undermined. Following are examples of topics generally to be avoided.

Examples of topics to be generally avoided

- *ABORTION*
- Alcohol, including beer and wine
- Behaviors that are inappropriate, including stealing, cheating, lying, and other criminal and/or anti-social behaviors and activities
- Biographies of controversial figures whether or not they are still alive
- Birthdays
- Cancer and other diseases that might be considered fatal (HIV, AIDS)
- Criticism of democracy or capitalism
- Dangerous behavior
- Death of animals or animals dying or being mistreated
- Death, murder, and suicide
- Disasters, including tornadoes, hurricanes, etc. (unless treated as scientific subjects)
- Disrespect of any mainstream racial or religious group
- Double meanings of words that have sexually suggestive meanings
- Evolution
- Family experiences that may be upsetting, including divorce or loss of a job
- Feminist or chauvinistic topics
- Gambling
- Guns and gun control
- Holidays of religious origin (e.g., Halloween, Christmas, Easter)
- Junk food, including candy, gum, chips
- Left- or right-wing politics
- Luxuries (homes with swimming pools, expensive clothes, expensive vacations, and sports activities that typically require the purchase of expensive equipment such as snow skiing)
- Parapsychology

  - Physical, emotional, and/or mental abuse, including animal, child, and/or spousal abuse
- Religions, except in appropriate historical context; mythology, folk tales, and fables may contain religious elements as part of appropriately presented literary excerpts.
- Sex, including kissing and dating
- Slavery (unless presented in an historical context and presented appropriately)
- Tobacco
- Violence against a particular group of people or animals
- Rock music, including rap and heavy metal
- Wars
- Witchcraft, sorcery, or magic
- Words that might be problematic to a specific ethnic group

SPECIAL CIRCUMSTANCES

In certain subject areas, a sensitive topic may be acceptable because the topic is a part of the course of study or may be required in order to measure the specific curriculum content standards and/or test objectives. For example, it may be appropriate to have test questions dealing with hurricanes. However, the questions should not focus unduly upon the destruction of property or the deaths of human beings. Other special circumstances include historical and literary contexts. A discussion of these special circumstances is provided below.

Historical Contexts

In order to measure the content curriculum standards, social studies tests often include topics that might otherwise be deemed as controversial. For example, in a history test, the topic of slavery might be used. The student would know that such a controversial topic is used to access knowledge of a particular curriculum content standard and/or set of objectives and, therefore, the topic would not reflect the views of the test developer.

Literary Contexts

Today's tests often require the use of authentic or previously published passages. As a result, sometimes a given passage or prompt might contain controversial material, including sentences, phrases, and/or words. If the overall passage or prompt is acceptable, it may be possible to edit and or delete the objectionable sentences, phrases, words, and/or references in order to eliminate the potential bias. In such cases, DRC test developers request permission from the publisher to make such edits and/or changes, and they would do so only if permission is granted.

Points to Remember

When reviewing items (questions and responses), passages prompts, stimulus materials, artwork, graphs, charts, and test-related ancillaries for issues of bias, fairness, and sensitivity, the following questions should be asked.

1. Do the items (questions and responses), passages, prompts, stimulus materials, artwork, graphs, charts, and test-related ancillaries:

   Demean any religious, ethnic, cultural, or social group?
   Portray anyone or any group in a stereotypical manner?
   Contain any other forms of bias, including gender, regional or geographical, ethnic or cultural, socioeconomic or class, religious, age-related bias, or bias against persons with disabilities?

2. Are there any topics that might disadvantage a student for any reason?

3. Are there any culturally specific sets of knowledge, terms, difficult words and/or figures of speech that might disadvantage a group of students?

4. Are the questions and activities reflected in the items or test, as a whole, relevant to the life experiences of the students responding to the items?

5. As a whole, does the test or pool of items have a balance across ethnic groups and across genders, including an adequate representation of:

   Females and males in both traditional and nontraditional roles
   Female and male names
   Minority groups in various environments and occupations
   Minority groups, including the use of ethnic names

6. Wherever possible, does the content show minority groups in everyday situations and groups depicted as fully integrated in the society, reflecting the multicultural composition of society as a whole?

Sample Review Form

Name: _____

Date: _____

Subject Area: _____ **Grade Level:** _____

Item No.	Type of Bias							
	Gender	Regional	Ethnic	Socio-economic	Religious	Age	Exper-iential	Other

Comments:

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SAMPLE ITEMS WITH BIAS, FAIRNESS, AND/OR SENSITIVITY CONCERNS

1. Franco Piccione cooked spaghetti for his family. When he placed 6 ounces of pasta into the water, the water temperature was $160°$ F. After 3 minutes the water temperature reached $212°$ F. What information is **not** needed to find the mean (average) rate that the water temperature changed?

A. 6 ounces of pasta

B. $160°$ water temperature

C. 3 minutes

D. $212°$ water temperature

TYPE OF BIAS: _____

2. For a community service project, Amanda's class spent 2 hours at a retirement home. They spent $\frac{1}{2}$ of the time doing jigsaw puzzles, $\frac{1}{4}$ of the time reading, and the rest of the time watching television. How long did they spend watching television?

A. 30 minutes

B. 45 minutes

C. 60 minutes

D. 90 minutes

TYPE OF BIAS: _____

3. Which of the following items did Kathleen buy at the fair?

A. a pretzel

B. a snowball

C. a slice of pizza

D. a piece of pie

TYPE OF BIAS: _____

Samples of Items with Bias, Fairness, and/or Sensitivity Concerns (continued)

4. On July 1 the price of a share of Jolter Corporation stock was $123.38. On January 1, the price of a share was $97.41. What is the percent of decrease in the price of a share of Jolter Corporation stock between July 1 and January 1? (Round to the nearest hundredth.)

A. 1.27%

B. 21.05%

C. 25.97%

D. 26.67%

Type of Bias: _____

5. What is the main idea of the article?

A. Doctors work long hours and neglect their wives and children.

B. Doctors deal with many pressures in modern American society.

C. Doctors pay a large amount of money to attend medical school.

D. Doctors leave the profession more now than ten years ago.

TYPE OF BIAS: _____

Samples of Items with Bias, Fairness, and/or Sensitivity Concerns (continued)

6. What is the main conflict in the story?

A. man versus man

B. man versus nature

C. man versus society

D. man versus self

TYPE OF BIAS: _____

7. What did Eduardo learn from the visit with his grandfather?

A. Age does not affect one's personality.

B. Older people need help with everyday tasks.

C. Age lessens one's appreciation for life.

D. Older people often have special medical needs.

TYPE OF BIAS: _____

8. Compare Ken's experience with playing golf with a time when you played golf. Support your comparison with details from the story.

TYPE OF BIAS: _____

9. What does Kim enjoy most about summer?

A. celebrating her birthday

B. swimming at the lake

C. playing softball at the park

D. reading her favorite books

TYPE OF BIAS: _____

Samples of Items with Bias, Fairness, and/or Sensitivity Concerns (continued

10. What could someone learn from reading the article?

A. Mexican people often wear sombreros and eat tacos.

B. Mexico has become a popular tourist destination.

C. Mexican people are very friendly and helpful.

D. Mexico produces many different kinds of fruit.

TYPE OF BIAS: _____

11. The Wampanoag people and the Pilgrims both lived in the same environment at the same time. Which is an example of a way the Indians used their environment **before** the Pilgrims arrived?

A. dug wells

B. grew corn, squash, and beans

C. raised sheep for wool

D. sawed trees into boards to build houses

Type of Bias: _____

12. According to the article, how is Marie different from the other children in her class?

A. She likes to play the piano.

B. She is a blind person.

C. She is a tall person.

D. She likes to work alone.

TYPE OF BIAS: _____

SAMPLES OF ITEMS WITH BIAS, FAIRNESS, AND/OR SENSITIVITY CONCERNS (CONTINUED)

13. Samantha entered an ice-fishing contest. She drilled an 8-inch hole. What is the circumference of the hole Samantha drilled?
Use $\pi = 3.14$.

A. 12.56 inches

B. 25.12 inches

C. 32 inches

D. 50.24 inches

TYPE OF BIAS: _____

Use the table to answer question 14.

FAVORITE SPORTS	
Sport	**Number of Members**
Golf	13
Polo	9
Rugby	5
Sailing	21

14. Melissa conducted a survey at the Morningside Country Club. She asked members to name their two favorite sports. The table above shows the results. How many members are included in Melissa's survey?

A. 12

B. 21

C. 24

D. 48

TYPE OF BIAS: _____

SAMPLES OF ITEMS WITH BIAS, FAIRNESS, AND/OR SENSITIVITY CONCERNS (CONTINUED)

15. In the story, Charlie says to Mia, "You can kill two birds with one stone." What does this phrase mean? Use details from the story to support your answer.

TYPE OF BIAS: _____

16. Mrs. Sanders ordered new windows for her house. The salesman told her that each window would be made from 4 sections of glass. Which expression represents the number of sections of glass necessary to make *W* windows for Mrs. Sanders' house?

A. $w + 4$

B. $w - 4$

C. $w \div 4$

D. $w \bullet 4$

TYPE OF BIAS: _____

Use the table to answer question 17.

SCIENCE TEST SCORES	
Student	**Test Score**
John	93
Susan	61
Tyson	96
Tao	93
Jessica	55
Takisha	70

17. The science test scores of six students in a lab group in Mr. Parker's class are shown in the table above. What is the mean (average) score of the test scores in the lab group?

A. 41

B. 77.5

C. 80.5

D. 93

Type of Bias: _____

SAMPLES OF ITEMS WITH BIAS, FAIRNESS, AND/OR SENSITIVITY CONCERNS (CONTINUED)

18. Animals are adapted to survive in their specific environments. Which breed of livestock would be best suited for meat production in the grassland prairies of the Great Plains?

A. angora goat

B. BUFFALO

C. Hereford cattle

D. Suffolk sheep

TYPE OF BIAS: _____

19. Scientists studying the fossil record have observed gradual changes in the structural morphology of numerous organisms that occurred over millions of years. These changes are most likely the result of

A. accidents from cloning experiments.

B. adaptive responses to environmental change.

C. God's little mistakes leading to his creation of mankind.

D. hallucinations of an occupant of the H.M.S. Beetle.

Type of Bias: _____

APPENDIX F: OVERVIEW OF RASCH MEASUREMENT

Most psychometricians agree that, when possible, the Rasch model is the preferred approach to manage the assessment and reporting processes (Rasch, 1960; Wright & Stone, 1979; Smith & Smith, 2004; Mead, 2008). For non-statisticians, the most compelling reasons may be that the Rasch model:

- is simple to apply, and
- preserves the number-correct ordering.

Simplicity makes the methods (relatively) easy to explain and the results to interpret. The results are straightforward and readily defended in front of administrators, parents, educators, and courts. And nontrivially, the simplicity helps meet the increasingly demanding time lines for reporting.

With number-correct scoring, students with more correct responses are always considered more proficient than students with fewer correct. This is intuitively obvious,, based on more than a century of experience using and interpreting such scores.

For statisticians, the attractions of the Rasch model are more esoteric; it:

- provides an interval scale of measurement,
- includes meaningful estimates of the standard errors at each raw score, and,
- most significantly, has simple sufficient statistics for person and item parameters.

The interval scale makes it possible to construct a ruler and place the students and the items on the same ruler, along with any performance expectations or normative information. A difference of, say, 10 scale score units will have the same meaning at any point along the scale and will have the same implications when comparing a student to earlier assessments, to an item, to normative information, to expectations, to a growth target, or to another student.

The sufficient statistics are essential to the simplicity. They make it possible to derive estimation equations for person parameters that do not involve the item parameters and for the item parameters that do not involve person parameters. It does not matter which items are used for the assessment or which students are used for the calibration, given the items are appropriate for the students.

Still more compelling, once the sufficient statistics have been extracted, there is nothing remaining in the data that is directly relevant to the measurement. Any residual information can be used to control and monitor the model. That is to say the residuals are diagnostic information about the student's performance on specific items or clusters of items.

The model does, however, place special demands on the item development and test construction processes. In essence, the model requires that all items are imperfect but equally valid and reliable instances of the construct. When sufficient care is taken in item and test development,

most achievement test data can adequately satisfy the demands of the model and help realize its advantages of valid measurement, quality control, and effective, timely reporting.

The Rasch Philosophy of Measurement

Georg Rasch (1960), to derive data that he considered worthy of the name measurement, reasoned that the interaction between the person and the item must be governed by a single person parameter (ability) and a single item parameter (difficulty). If person *A* has more ability than person *B*, then *A* is more likely than *B* to answer <u>any</u> item correctly. If item *i* is more difficult than item *j*, then any person is less likely to answer item *i* correctly. These two common sense assertions must hold regardless of any other characteristics of the people or the items.

This reasoning led Rasch to the simple logistic model, which had several very useful and closely related properties (Rasch, 1960, 1977):

- *Simplicity*, which allows straightforward calculations, ready communication, and interpretation of the measures. (Wright & Stone, 1979)
- *Specific objectivity*, sometimes called *person-free[d]* calibration and *item-free[d]* measurement (Wright, 1968), and
- *Sufficiency* that does not involve the parameters (Andersen, 1977),
- *Separability* of the model parameters (Rasch, 1960),

Specific objectivity means that the estimation equations for ability do not involve the difficulty parameters, and the equations for difficulty do not involve the ability parameters. Specific objectivity is possible when *sufficient statistics* for the parameters exist. The sufficient statistics exist because the parameters are *separable* in the model.

In practical terms, the students can be ordered on the measurement continuum by their number correct scores and the items can be ordered on the same continuum by the number of correct responses. No other information is necessary for the measurement and anything remaining in the data can be used to control and monitor fit to the model. Specific objectivity is the cornerstone of the Rasch family of measurement models. (Wright, 1980)

THE MODELS FOR MEASUREMENT

Dichotomous Items

Multiple-choice items (MC) are calibrated using the most familiar form of the model (Rasch, 1960; Wright & Panchapakesan, 1969; Wright & Stone 1979; Andrich, 1988; Fischer & Molenaar, 1995; Smith & Smith, 2004). The Rasch model applicable to dichotomously scored items, given person ability and item difficulty, can be expressed in the basic statement of the model.

The probability of success for a person with ability β_v on an item with difficulty δ_i is a function of the difference between the ability of the person and the difficulty of the item:

1. $$P(right \mid \beta_v, \delta_i) = \frac{e^{\beta_v - \delta_i}}{1 + e^{\beta_v - \delta_i}} = \frac{\mathrm{B}_v}{\mathrm{B}_v + \Delta_i}, \text{ where } \mathrm{B}_v = e^{\beta_v} \text{ and } \Delta_i = e^{\delta_i}.$$

This is the probability of scoring one rather than zero on an item for which those are the only possibilities. This expression results in the familiar S-shaped curve relating the ability-difficulty metric to number correct score. Its simplicity makes it especially suited for educational assessment by drawing a clear distinction between the information (captured by the sufficient statistics) relevant to estimating the ability property that all examinees share and the information relevant to describing unique characteristics of individuals.

Polytomous Items

When polytomous item types, e.g., constructed response (CR) or extended response (ER), are part of the assessments, such items are calibrated using the Partial Credit form of the Rasch model (Andrich, 1978; Wright & Masters, 1982; Masters, 1982)[1]. The Partial Credit model parameterizes the thresholds needed to achieve a complete solution to the task so there is one difficulty parameter associated with each possible score after zero.

Given a polytomous item *i*, threshold *k* describes the relative difficulty of obtaining a score of *k* rather than a score of (*k-1*). It is the point on the ability continuum at which *k* and *k-1* are equally likely[2]. The conditional probability of a score of k, given only the two possibilities *k* or (*k-1*), is:

2. $$p_{vik} = \frac{P_{vik}}{P_{vi(k-1)} + P_{vik}} = \frac{P_{vik} / P_{vi(k-1)}}{1 + P_{vik} / P_{vi(k-1)}},$$

where P_{vik} is the unconditional probability that person *v* will score *k* on item *i*.

Expression (2) begins with a straightforward application of the definition of conditional probability for non-overlapping events: *p{a | a or b} = P(a) / [P(a) + P(b)]*. The second step rewrites the expression in terms of the odds of scoring *k* instead of *k-1*.

The remaining step (3) expresses the odds in terms of the difference between ability and threshold difficulty for a score of *k*, which is identical in form and substance to the dichotomous case where the expontentiated logit is the odds of scoring 1 over scoring 0. By conditionally considering only two scores, *k* and *k-1,* the problem has been reduced to the dichotomous case and only threshold *k* is relevant:

3. $$\frac{P_{vik} / P_{vi(k-1)}}{1 + P_{vik} / P_{vi(k-1)}} = \frac{e^{(\beta_v - \delta_{ik})}}{1 + e^{(\beta_v - \delta_{ik})}}, \text{ which can be compared to expression (1).}$$

---

[1] Though developed from different rationale, the *Partial Credit (PC)* and *Rating Scale (RS)* models are effectively the same model with different emphasis and slightly different notation (Andrich, 1988). The *PC* can be viewed as a *RS* in which each item has a unique response structure and the *RS* can be seen as a *PC* in which multiple items share the same response structure.

[2] It is a source of some confusion that while *k* and *k-1* are equally likely, they may not be the most likely outcomes.

It is not necessary to know how easy or hard reaching level (*k-1*) may be nor is it necessary to know how easy or hard it is to go beyond level *k*.

Expression (3) can be rearranged to give a recursive relationship for the unconditional probability for a score of k, which does require consideration of all the thresholds:

4. $P_{vik} = e^{(\beta_v - \delta_{ik})} P_{vi(k-1)}$ for $k = 1, m_i$.

All the necessary probabilities could be computed from expression (4) if there were a starting point, i.e., a value for P_{vi0}, the probability of a score of 0. Noting that the category probabilities must sum to one,

5. $$\sum_{k=0}^{m} P_{vik} = P_{vi0} + P_{vi0} e^{\beta_v - \delta_{i1}} + P_{vi1} e^{\beta_v - \delta_{i2}} + \ldots + P_{vi(m-1)} e^{\beta_v - \delta_{im}} = 1.$$

Then repeatedly applying the recursive relationship and solving for P_{vi0},

6. $$\sum_{k=0}^{m} P_{vik} = P_{vi0} \{1 + e^{\beta_v - \delta_{i1}} + e^{\beta_v - \delta_{i1}} e^{\beta_v - \delta_{i2}} + \ldots + e^{\sum_{j=1}^{m} (\beta_b - \delta_{ij})}\} = 1.$$

7. $$P_{vi0} = 1 / \{1 + e^{\beta_v - \delta_{i1}} + e^{\beta_v - \delta_{i1}} e^{\beta_v - \delta_{i2}} + \ldots + e^{\sum_{j=1}^{m} (\beta_b - \delta_{ij})}\}.$$

8. $$P_{vi0} = \frac{1}{1 + \sum_{k=1}^{m_i} e^{\sum_{j=1}^{k} (\beta_v - \delta_{ij})}}.$$

In other words, P_{vi0} is the reciprocal of the sum of the numerators, which serves as a normalizing constant. The general expression for the remaining categories can now be written as:

9. $$P_{vik} = \frac{e^{\sum_{j=1}^{k} (\beta_v - \delta_{ij})}}{1 + \sum_{x=1}^{m_i} e^{\sum_{j=1}^{x} (\beta_v - \delta_{ij})}}, \qquad k = 1 \ldots m_i.$$

If the number of thresholds m_i is one[3], expression (9) reduces to expression (1). Although the Rasch model can take a number of other forms (Fischer & Molenaar, 1995; Wright & Mok, 2004), the dichotomous and partial credit are the ones most commonly seen in educational assessment.

CALIBRATION: ESTIMATING ITEM DIFFICULTIES

DRC uses the Rasch measurement model to estimate the student proficiencies and to control the assessment process. The model provides straightforward algorithms to compute ability

[3] An *MC* item can be treated as a *PC* (or *RS*) task with a single threshold. In this simple case, the conditional p_{vik} and the unconditional P_{vik} are equal because 1 and 0 are the only possibilities.

estimates on a unidimensional, equal-interval scale of measurement from the number correct scores.

WINSTEPS (2008) implements the joint maximum likelihood estimation procedure (Linacre, 2004) for estimating item difficulties. This calibration software is commercially available and widely used in the testing industry. In addition to performing item calibration and ability estimation, the capabilities of the WINSTEPS program will be utilized to assess unidimensionality, item interdependence, and other deviations from the model. The program also has several options for exploring the person-item residual matrix (Mead, 1976, 2008; Ludlow 1986; Smith, 2000).

In the simplest formulation, estimating either the item difficulty or the person ability involves solving the fundamental equation that states the observed score must equal the expected score. For example, the ability estimate for a person who scores *r* on a set of *L* items is derived from:

10. $r_v = \sum_{i=1}^{L}\sum_{k=0}^{m_i} k\hat{P}_{vik}$, where $\hat{P}_{vik}$ is defined by (9) with estimates replacing the parameters.

Rasch calibration and scaling have become relatively routine operations. Members of the DRC psychometric staff have been instrumental in the development of the Rasch model and its application over several decades and are intimately familiar with the software for its application.

Appendix G: Reading Key Verification and Foil Analysis

Grade 3

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
562867	A	21563	OP	.81	.81	.09	.05	.05	.00	.00	.35	.35	-.21	-.15	-.20
562871	D	21563	OP	.81	.08	.09	.03	.81	.00	.00	.43	-.27	-.21	-.23	.43
562872	B	21563	OP	.83	.07	.83	.06	.04	.00	.00	.31	-.21	.31	-.09	-.21
562874	D	21563	OP	.59	.14	.12	.14	.59	.00	.00	.33	-.11	-.16	-.20	.33
562882	D	21563	OP	.83	.06	.05	.06	.83	.00	.00	.44	-.32	-.20	-.19	.44
562886	A	21563	OP	.82	.82	.08	.03	.08	.00	.00	.40	.40	-.27	-.22	-.16
562888	B	21563	OP	.77	.11	.77	.07	.05	.00	.00	.37	-.22	.37	-.18	-.19
562889	B	21563	OP	.79	.07	.79	.05	.10	.00	.00	.32	-.14	.32	-.20	-.17
562909	A	21563	OP	.77	.77	.04	.15	.03	.00	.00	.46	.46	-.24	-.29	-.21
562917	C	21563	OP	.59	.09	.27	.59	.05	.00	.00	.36	-.26	-.15	.36	-.16
562920	D	21563	OP	.44	.08	.35	.13	.44	.00	.00	.38	-.21	-.18	-.14	.38
562927	B	21563	OP	.81	.05	.81	.08	.06	.00	.00	.41	-.21	.41	-.20	-.24
562930	B	21563	OP	.72	.12	.72	.05	.11	.00	.00	.38	-.24	.38	-.20	-.14
562931	C	21563	OP	.65	.23	.04	.65	.07	.00	.00	.48	-.26	-.24	.48	-.26
562995	B	21563	OP	.52	.16	.52	.13	.19	.00	.00	.25	-.15	.25	-.12	-.08
562999	A	21563	OP	.73	.73	.05	.09	.13	.00	.00	.49	.49	-.24	-.25	-.27
563004	D	21563	OP	.55	.07	.34	.04	.55	.00	.00	.48	-.24	-.30	-.17	.48
563006	C	21563	OP	.62	.13	.12	.62	.13	.00	.00	.36	-.18	-.14	.36	-.19
563018	B	21563	OP	.79	.08	.79	.03	.10	.00	.00	.48	-.28	.48	-.24	-.26
563021	D	21563	OP	.65	.07	.18	.10	.65	.00	.00	.37	-.29	-.18	-.11	.37
563024	C	21563	OP	.81	.08	.05	.81	.06	.00	.00	.46	-.28	-.25	.46	-.20
563025	A	21563	OP	.70	.70	.16	.05	.09	.00	.00	.37	.37	-.20	-.20	-.18
563036	B	21563	OP	.74	.07	.74	.07	.12	.00	.00	.45	-.23	.45	-.23	-.24
563043	A	21563	OP	.76	.76	.06	.11	.08	.00	.00	.48	.48	-.30	-.21	-.26
563045	C	21563	OP	.86	.07	.04	.86	.03	.00	.00	.40	-.27	-.20	.40	-.17
563098	B	21563	OP	.92	.02	.92	.01	.04	.00	.00	.34	-.23	.34	-.15	-.20
563108	B	21563	OP	.82	.03	.82	.07	.09	.00	.00	.41	-.25	.41	-.16	-.27
563112	A	21563	OP	.81	.81	.05	.05	.09	.00	.00	.48	.48	-.22	-.28	-.27
563115	A	21563	OP	.50	.50	.39	.09	.02	.00	.00	.27	.27	-.06	-.27	-.19
563118	A	21563	OP	.63	.63	.17	.05	.15	.00	.00	.31	.31	-.10	-.19	-.19
563119	C	21563	OP	.82	.05	.07	.82	.06	.00	.00	.40	-.20	-.26	.40	-.18
563122	A	21563	OP	.73	.73	.11	.09	.07	.00	.00	.44	.44	-.18	-.25	-.27
563124	C	21563	OP	.85	.04	.07	.85	.04	.00	.00	.45	-.26	-.26	.45	-.21
563126	B	21563	OP	.72	.04	.72	.12	.12	.00	.00	.49	-.25	.49	-.24	-.27
563127	D	21563	OP	.66	.08	.07	.19	.66	.00	.00	.42	-.27	-.26	-.14	.42

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
563142	C	21563	OP	.71	.23	.04	.71	.02	.00	.00	.44	-.34	-.13	.44	-.18
563143	D	21563	OP	.64	.11	.16	.09	.64	.00	.00	.36	-.17	-.15	-.22	.36
565092	C	21563	OP	.73	.12	.06	.73	.09	.00	.00	.49	-.31	-.23	.49	-.21
565093	C	21563	OP	.69	.04	.20	.69	.06	.00	.00	.44	-.28	-.23	.44	-.21
565108	D	21563	OP	.78	.03	.02	.18	.78	.00	.00	.19	-.22	-.20	-.04	.19
565109	D	21563	OP	.62	.12	.12	.13	.62	.00	.00	.33	-.05	-.23	-.20	.33
565111	B	21563	OP	.72	.06	.72	.06	.16	.00	.00	.59	-.27	.59	-.25	-.38
565112	C	21563	OP	.84	.09	.03	.84	.04	.00	.00	.47	-.29	-.22	.47	-.26
565114	A	21563	OP	.75	.75	.03	.18	.03	.00	.00	.44	.44	-.27	-.25	-.23
565135	A	21563	OP	.67	.67	.07	.19	.07	.00	.00	.28	.28	-.18	-.09	-.20
602276	B	3569	FT	.56	.16	.56	.04	.24	.00	.00	.32	-.35	.32	-.25	.05
602277	A	3569	FT	.72	.72	.13	.09	.06	.00	.00	.42	.42	-.30	-.15	-.18
602278	B	3569	FT	.49	.05	.49	.10	.35	.00	.00	.29	-.21	.29	-.23	-.05
602279	B	3569	FT	.63	.18	.63	.15	.03	.00	.00	.40	-.15	.40	-.26	-.21
602280	B	3569	FT	.45	.08	.45	.08	.39	.00	.00	.15	-.25	.15	-.17	.09
602281	C	3569	FT	.70	.17	.07	.70	.05	.00	.00	.54	-.34	-.28	.54	-.20
602282	C	3569	FT	.32	.22	.28	.32	.18	.00	.00	.16	-.08	.05	.16	-.17
602284	D	3569	FT	.51	.22	.05	.22	.51	.00	.00	.38	-.19	-.27	-.12	.38
602286	A	3569	FT	.77	.77	.07	.05	.10	.00	.00	.51	.51	-.29	-.17	-.33
602289	D	3569	FT	.66	.14	.13	.07	.66	.00	.00	.35	-.23	-.10	-.20	.35
602290	D	7457	FT	.83	.05	.06	.05	.83	.00	.00	.43	-.27	-.21	-.20	.43
602291	A	7457	FT	.73	.73	.08	.10	.10	.00	.00	.42	.42	-.18	-.18	-.27
602292	D	7457	FT	.27	.26	.09	.37	.27	.00	.00	.24	-.05	-.21	-.04	.24
602294	C	7457	FT	.49	.12	.26	.49	.13	.00	.00	.18	-.12	.06	.18	-.20
602295	D	7457	FT	.44	.30	.17	.09	.44	.00	.00	.16	-.01	-.07	-.14	.16
602296	B	7457	FT	.37	.20	.37	.15	.28	.00	.00	.32	-.19	.32	-.11	-.07
602297	C	7457	FT	.47	.17	.12	.47	.23	.00	.00	.25	-.15	-.14	.25	-.03
602299	A	7457	FT	.34	.34	.26	.26	.14	.00	.00	.21	.21	-.01	-.06	-.18
602302	A	7457	FT	.75	.75	.08	.12	.06	.00	.00	.39	.39	-.26	-.13	-.23
602304	B	7457	FT	.36	.29	.36	.23	.11	.00	.00	.26	-.24	.26	.04	-.09
602308	B	3491	FT	.86	.06	.86	.03	.05	.00	.00	.26	-.12	.26	-.14	-.18
602309	C	3491	FT	.61	.17	.11	.61	.10	.00	.00	.44	-.22	-.21	.44	-.22
602310	C	3491	FT	.76	.10	.07	.76	.07	.00	.00	.48	-.28	-.24	.48	-.22
602311	B	3491	FT	.22	.34	.22	.32	.13	.00	.00	.04	.10	.04	.00	-.18
602312	C	3491	FT	.73	.09	.09	.73	.09	.00	.00	.55	-.29	-.26	.55	-.30
602316	A	3491	FT	.47	.47	.14	.29	.10	.00	.00	.05	.05	-.19	.21	-.16
602318	D	3491	FT	.73	.02	.04	.20	.73	.00	.00	.40	-.26	-.26	-.21	.40
602319	B	3491	FT	.32	.21	.32	.24	.23	.00	.00	.14	-.09	.14	.00	-.06
602320	C	3491	FT	.55	.19	.08	.55	.18	.00	.00	.27	-.09	-.17	.27	-.14
602324	B	3491	FT	.53	.20	.53	.22	.05	.00	.00	.26	-.23	.26	.02	-.20

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
602325	D	3537	FT	.83	.06	.07	.04	.83	.00	.00	.40	-.21	-.25	-.18	.40
602326	A	3537	FT	.71	.71	.08	.09	.12	.00	.00	.36	.36	-.26	-.14	-.16
602328	D	3537	FT	.76	.15	.05	.04	.76	.00	.00	.27	-.04	-.26	-.21	.27
602330	C	3537	FT	.58	.25	.10	.58	.07	.00	.00	.48	-.39	-.12	.48	-.11
602331	A	3537	FT	.66	.66	.08	.21	.04	.00	.00	.28	.28	-.23	-.09	-.16
602332	A	3537	FT	.66	.66	.08	.16	.10	.00	.00	.38	.38	-.19	-.28	-.08
602333	B	3537	FT	.44	.13	.44	.26	.17	.00	.00	.20	-.26	.20	.05	-.08
602334	A	3537	FT	.81	.81	.05	.05	.09	.00	.00	.46	.46	-.26	-.20	-.27
602337	D	3537	FT	.66	.10	.12	.12	.66	.00	.00	.42	-.20	-.15	-.27	.42
602339	B	3537	FT	.50	.16	.50	.18	.15	.00	.00	.41	-.20	.41	-.22	-.13
602341	C	3509	FT	.70	.11	.12	.70	.07	.00	.00	.24	-.12	-.09	.24	-.17
602342	B	3509	FT	.43	.39	.43	.08	.10	.00	.00	.23	.01	.23	-.29	-.13
602343	A	3509	FT	.70	.70	.08	.08	.14	.00	.00	.37	.37	-.13	-.16	-.26
602344	B	3509	FT	.37	.34	.37	.25	.04	.00	.00	.23	-.08	.23	-.08	-.19
602345	A	3509	FT	.76	.76	.05	.08	.10	.00	.00	.44	.44	-.23	-.25	-.22
602348	B	3509	FT	.59	.15	.59	.16	.10	.00	.00	.43	-.20	.43	-.24	-.16
602349	C	3509	FT	.58	.13	.19	.58	.10	.00	.00	.19	.02	-.16	.19	-.12
602352	A	3509	FT	.81	.81	.05	.02	.12	.00	.00	.48	.48	-.25	-.20	-.32
602354	B	3509	FT	.77	.08	.77	.08	.06	.00	.00	.47	-.27	.47	-.23	-.24
602356	D	3509	FT	.44	.15	.30	.12	.44	.00	.00	.20	-.16	.02	-.16	.20

Grade 4

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
563202	A	21208	OP	.83	.83	.05	.05	.07	.00	.00	.43	.43	-.25	-.27	-.19
563203	C	21208	OP	.69	.05	.04	.69	.23	.00	.00	.43	-.21	-.21	.43	-.27
563204	B	21208	OP	.78	.04	.78	.04	.14	.00	.00	.42	-.28	.42	-.26	-.20
563206	A	21208	OP	.97	.97	.01	.01	.01	.00	.00	.32	.32	-.15	-.18	-.19
563209	C	21208	OP	.84	.05	.03	.84	.08	.00	.00	.52	-.28	-.20	.52	-.34
563217	B	21208	OP	.44	.26	.44	.15	.14	.00	.00	.24	-.09	.24	-.13	-.09
563218	A	21208	OP	.83	.83	.02	.09	.06	.00	.00	.40	.40	-.15	-.32	-.15
563222	D	21208	OP	.78	.11	.06	.05	.78	.00	.00	.34	-.22	-.16	-.14	.34
563224	D	21208	OP	.58	.37	.04	.01	.58	.00	.00	.15	-.01	-.22	-.16	.15
563227	B	21208	OP	.79	.06	.79	.06	.10	.00	.00	.49	-.23	.49	-.23	-.30
563229	B	21208	OP	.67	.07	.67	.20	.06	.00	.00	.35	-.21	.35	-.12	-.24
563231	C	21208	OP	.76	.09	.05	.76	.09	.00	.00	.43	-.23	-.22	.43	-.22
563236	A	21208	OP	.78	.78	.07	.11	.04	.00	.00	.40	.40	-.23	-.21	-.19
563237	D	21208	OP	.61	.19	.14	.06	.61	.00	.00	.33	-.13	-.14	-.25	.33
563238	D	21208	OP	.66	.29	.02	.02	.66	.00	.00	.18	-.03	-.22	-.20	.18
563245	D	21208	OP	.77	.08	.10	.05	.77	.00	.00	.36	-.20	-.18	-.17	.36
563249	B	21208	OP	.44	.24	.44	.14	.17	.00	.00	.38	-.16	.38	-.22	-.12
563257	B	21208	OP	.84	.07	.84	.06	.02	.00	.00	.32	-.21	.32	-.14	-.17
563258	D	21208	OP	.47	.12	.18	.23	.47	.00	.00	.33	-.14	-.12	-.16	.33
563283	D	21208	OP	.77	.06	.04	.13	.77	.00	.00	.39	-.23	-.25	-.17	.39
563293	B	21208	OP	.76	.07	.76	.11	.06	.00	.00	.48	-.29	.48	-.25	-.20
563297	D	21208	OP	.81	.11	.05	.03	.81	.00	.00	.38	-.25	-.22	-.13	.38
563299	A	21208	OP	.76	.76	.02	.10	.12	.00	.00	.38	.38	-.19	-.22	-.21
563359	D	21208	OP	.76	.10	.10	.04	.76	.00	.00	.45	-.26	-.22	-.20	.45
563360	A	21208	OP	.72	.72	.05	.02	.21	.00	.00	.46	.46	-.29	-.20	-.27
563361	C	21208	OP	.72	.04	.04	.72	.19	.00	.00	.31	-.13	-.19	.31	-.18
563362	A	21208	OP	.83	.83	.08	.03	.06	.00	.00	.35	.35	-.12	-.18	-.27
563370	B	21208	OP	.69	.06	.69	.11	.14	.00	.00	.25	-.17	.25	-.11	-.11
563374	D	21208	OP	.51	.09	.21	.19	.51	.00	.00	.35	-.22	-.12	-.15	.35
563377	C	21208	OP	.72	.07	.08	.72	.13	.00	.00	.35	-.18	-.19	.35	-.16
563382	C	21208	OP	.55	.02	.11	.55	.32	.00	.00	.35	-.24	-.23	.35	-.14
563383	B	21208	OP	.77	.13	.77	.03	.07	.00	.00	.46	-.34	.46	-.24	-.15
563384	A	21208	OP	.76	.76	.03	.14	.07	.00	.00	.48	.48	-.21	-.30	-.25
563388	D	21208	OP	.88	.05	.03	.04	.88	.00	.00	.42	-.22	-.23	-.24	.42
563392	A	21208	OP	.71	.71	.25	.02	.02	.00	.00	.34	.34	-.25	-.18	-.12
563417	C	21208	OP	.59	.10	.18	.59	.13	.00	.00	.41	-.22	-.13	.41	-.24
563418	C	21208	OP	.81	.06	.04	.81	.09	.00	.00	.19	-.10	-.20	.19	-.02
563424	A	21208	OP	.76	.76	.09	.09	.06	.00	.00	.44	.44	-.25	-.19	-.25

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
563432	D	21208	OP	.76	.06	.16	.02	.76	.00	.00	.38	-.17	-.24	-.22	.38
565123	C	21208	OP	.46	.15	.24	.46	.14	.00	.00	.24	-.04	-.18	.24	-.08
565126	D	21208	OP	.86	.04	.08	.02	.86	.00	.00	.48	-.19	-.36	-.21	.48
565130	D	21208	OP	.89	.02	.06	.02	.89	.00	.00	.39	-.18	-.24	-.22	.39
565141	B	21208	OP	.58	.11	.58	.17	.14	.00	.00	.41	-.19	.41	-.30	-.08
565174	C	21208	OP	.84	.05	.07	.84	.04	.00	.00	.44	-.24	-.22	.44	-.25
565176	C	21208	OP	.82	.07	.08	.82	.04	.00	.00	.43	-.26	-.22	.43	-.22
602360	A	3476	FT	.72	.72	.01	.26	.01	.00	.00	.19	.19	-.21	-.11	-.14
602361	B	3476	FT	.67	.15	.67	.05	.13	.00	.00	.37	-.21	.37	-.27	-.11
602363	B	3476	FT	.78	.04	.78	.16	.02	.00	.00	.21	-.26	.21	-.04	-.18
602366	D	3476	FT	.12	.03	.83	.03	.12	.00	.00	-.11	-.19	.30	-.26	-.11
602367	B	3476	FT	.64	.21	.64	.05	.09	.00	.00	.39	-.13	.39	-.23	-.28
602369	C	3476	FT	.69	.07	.04	.69	.20	.00	.00	.36	-.25	-.27	.36	-.12
602370	A	3476	FT	.57	.57	.07	.18	.17	.00	.00	.32	.32	-.21	-.17	-.10
602373	B	3476	FT	.86	.04	.86	.06	.04	.00	.00	.42	-.28	.42	-.20	-.21
602375	B	3476	FT	.49	.04	.49	.43	.04	.00	.00	.24	-.25	.24	-.06	-.22
602376	A	3476	FT	.87	.87	.06	.03	.04	.00	.00	.45	.45	-.31	-.18	-.23
602377	D	3422	FT	.66	.12	.11	.11	.66	.00	.00	.39	-.30	-.21	-.06	.39
602378	A	3422	FT	.65	.65	.07	.12	.17	.00	.00	.22	.22	-.15	-.08	-.11
602379	B	3422	FT	.87	.05	.87	.06	.02	.00	.00	.39	-.25	.39	-.24	-.14
602380	D	3422	FT	.63	.11	.08	.18	.63	.00	.00	.46	-.17	-.25	-.26	.46
602381	B	3422	FT	.78	.06	.78	.05	.11	.00	.00	.45	-.25	.45	-.25	-.23
602382	C	3422	FT	.80	.05	.08	.80	.07	.00	.00	.47	-.22	-.22	.47	-.31
602384	B	3422	FT	.60	.09	.60	.23	.08	.00	.00	.26	-.19	.26	-.09	-.15
602385	A	3422	FT	.81	.81	.10	.04	.05	.00	.00	.40	.40	-.16	-.25	-.27
602387	A	3422	FT	.91	.91	.02	.03	.05	.00	.00	.34	.34	-.22	-.15	-.21
602389	C	3422	FT	.89	.06	.03	.89	.02	.00	.00	.45	-.30	-.23	.45	-.20
602393	B	3450	FT	.67	.28	.67	.02	.03	.00	.00	.20	-.10	.20	-.14	-.17
602395	B	3450	FT	.50	.33	.50	.09	.09	.00	.00	.27	-.11	.27	-.06	-.23
602396	C	3450	FT	.74	.04	.19	.74	.02	.00	.00	.26	-.22	-.10	.26	-.21
602397	A	3450	FT	.66	.66	.29	.01	.03	.00	.00	.16	.16	-.08	-.15	-.12
602398	C	3450	FT	.29	.44	.03	.29	.24	.00	.00	.16	.01	-.22	.16	-.10
602399	D	3450	FT	.85	.07	.05	.03	.85	.00	.00	.34	-.23	-.18	-.12	.34
602400	D	3450	FT	.48	.21	.12	.19	.48	.00	.00	.28	-.12	-.16	-.11	.28
602401	C	3450	FT	.43	.12	.19	.43	.26	.00	.00	.25	-.16	-.05	.25	-.11
602407	B	3450	FT	.32	.33	.32	.30	.05	.00	.00	.30	.00	.30	-.18	-.27
602408	C	3450	FT	.39	.20	.09	.39	.32	.00	.00	.26	-.16	-.20	.26	-.01
602429	A	7370	FT	.78	.78	.07	.08	.07	.00	.00	.28	.28	-.21	-.03	-.19
602430	A	7370	FT	.89	.89	.04	.03	.03	.00	.00	.47	.47	-.28	-.25	-.23
602432	D	7370	FT	.64	.17	.11	.08	.64	.00	.00	.42	-.19	-.22	-.21	.42

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
602434	A	7370	FT	.60	.60	.17	.03	.19	.00	.00	.16	.16	-.18	-.22	.09
602435	D	7370	FT	.68	.13	.05	.14	.68	.00	.00	.32	-.18	-.23	-.09	.32
602436	C	7370	FT	.49	.20	.17	.49	.14	.00	.00	.34	-.13	-.11	.34	-.20
602437	B	7370	FT	.62	.07	.62	.13	.17	.00	.00	.24	-.16	.24	.00	-.18
602440	A	7370	FT	.80	.80	.06	.08	.05	.00	.00	.48	.48	-.25	-.26	-.25
602442	A	7370	FT	.51	.51	.05	.06	.38	.00	.00	.36	.36	-.20	-.24	-.15
602443	B	7370	FT	.76	.04	.76	.07	.12	.00	.00	.42	-.20	.42	-.27	-.20
602446	D	3490	FT	.66	.16	.11	.08	.66	.00	.00	.30	-.26	-.06	-.10	.30
602447	A	3490	FT	.61	.61	.23	.13	.03	.00	.00	.39	.39	-.17	-.26	-.18
602449	D	3490	FT	.56	.13	.12	.19	.56	.00	.00	.35	-.13	-.14	-.22	.35
602450	B	3490	FT	.80	.08	.80	.06	.06	.00	.00	.50	-.30	.50	-.27	-.22
602452	C	3490	FT	.82	.07	.04	.82	.07	.00	.00	.45	-.26	-.24	.45	-.23
602455	A	3490	FT	.67	.67	.17	.09	.07	.00	.00	.33	.33	-.07	-.19	-.29
602456	D	3490	FT	.73	.05	.18	.04	.73	.00	.00	.39	-.25	-.17	-.26	.39
602457	A	3490	FT	.79	.79	.10	.07	.03	.00	.00	.32	.32	-.19	-.17	-.16
602460	C	3490	FT	.55	.33	.05	.55	.06	.00	.00	.37	-.22	-.21	.37	-.14
602461	D	3490	FT	.84	.08	.04	.04	.84	.00	.00	.42	-.29	-.19	-.18	.42

Grade 5

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
563480	A	20761	OP	.78	.78	.05	.14	.02	.00	.00	.41	.41	-.22	-.27	-.18
563484	B	20761	OP	.89	.08	.89	.02	.01	.00	.00	.38	-.29	.38	-.18	-.17
563492	B	20761	OP	.93	.01	.93	.05	.01	.00	.00	.33	-.18	.33	-.21	-.19
563501	C	20761	OP	.72	.25	.01	.72	.02	.00	.00	.32	-.21	-.21	.32	-.20
563503	B	20761	OP	.61	.05	.61	.04	.31	.00	.00	.37	-.24	.37	-.23	-.19
563505	A	20761	OP	.92	.92	.05	.03	.01	.00	.00	.33	.33	-.20	-.20	-.15
563512	C	20761	OP	.82	.04	.06	.82	.08	.00	.00	.35	-.22	-.20	.35	-.15
563514	A	20761	OP	.83	.83	.08	.04	.05	.00	.00	.51	.51	-.30	-.25	-.27
563516	D	20761	OP	.50	.05	.06	.38	.50	.00	.00	.29	-.15	-.25	-.10	.29
563518	D	20761	OP	.75	.11	.06	.09	.75	.00	.00	.39	-.17	-.25	-.20	.39
563519	C	20761	OP	.54	.16	.21	.54	.09	.00	.00	.36	-.18	-.19	.36	-.12
563525	C	20761	OP	.61	.22	.11	.61	.06	.00	.00	.42	-.11	-.34	.42	-.21
563528	D	20761	OP	.47	.04	.28	.22	.47	.00	.00	.31	-.18	-.06	-.23	.31
563529	C	20761	OP	.57	.24	.05	.57	.14	.00	.00	.43	-.27	-.20	.43	-.15
563553	A	20761	OP	.63	.63	.03	.14	.20	.00	.00	.40	.40	-.11	-.07	-.36
563556	D	20761	OP	.33	.21	.26	.20	.33	.00	.00	.14	.03	-.08	-.10	.14
563558	A	20761	OP	.76	.76	.22	.01	.01	.00	.00	.33	.33	-.27	-.17	-.14
563563	B	20761	OP	.69	.04	.69	.24	.03	.00	.00	.33	-.25	.33	-.16	-.20
563566	A	20761	OP	.78	.78	.07	.08	.07	.00	.00	.51	.51	-.24	-.26	-.30
563567	B	20761	OP	.87	.07	.87	.04	.02	.00	.00	.45	-.28	.45	-.25	-.22
563568	C	20761	OP	.79	.02	.17	.79	.03	.00	.00	.37	-.19	-.25	.37	-.21
563569	C	20761	OP	.79	.14	.06	.79	.01	.00	.00	.24	-.12	-.14	.24	-.15
563571	B	20761	OP	.63	.10	.63	.17	.10	.00	.00	.30	-.16	.30	-.19	-.08
563573	B	20761	OP	.67	.21	.67	.07	.06	.00	.00	.36	-.21	.36	-.16	-.18
563574	A	20761	OP	.56	.56	.12	.12	.20	.00	.00	.33	.33	-.23	-.18	-.07
563575	A	20761	OP	.38	.38	.18	.19	.24	.00	.00	.32	.32	-.23	-.07	-.08
563577	D	20761	OP	.69	.12	.12	.06	.69	.00	.00	.43	-.19	-.20	-.28	.43
563632	A	20761	OP	.88	.88	.03	.03	.06	.00	.00	.37	.37	-.23	-.20	-.19
563636	D	20761	OP	.60	.12	.18	.10	.60	.00	.00	.33	-.17	-.12	-.19	.33
563641	A	20761	OP	.81	.81	.06	.11	.02	.00	.00	.43	.43	-.23	-.27	-.20
563647	C	20761	OP	.58	.05	.21	.58	.16	.00	.00	.31	-.26	-.05	.31	-.21
563650	B	20761	OP	.76	.15	.76	.06	.03	.00	.00	.11	.05	.11	-.18	-.12
563654	A	20761	OP	.72	.72	.15	.11	.02	.00	.00	.54	.54	-.33	-.31	-.17
563658	D	20761	OP	.88	.06	.05	.01	.88	.00	.00	.44	-.30	-.25	-.15	.44
565199	C	20761	OP	.92	.02	.05	.92	.01	.00	.00	.35	-.20	-.26	.35	-.10
565201	D	20761	OP	.84	.03	.10	.04	.84	.00	.00	.48	-.23	-.29	-.27	.48
565202	D	20761	OP	.95	.01	.02	.02	.95	.00	.00	.35	-.16	-.23	-.20	.35
565226	B	20761	OP	.71	.21	.71	.05	.03	.00	.00	.37	-.19	.37	-.24	-.21

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
565236	B	20761	OP	.87	.05	.87	.06	.03	.00	.00	.26	-.11	.26	-.15	-.18
565246	B	20761	OP	.65	.23	.65	.04	.08	.00	.00	.38	-.32	.38	-.11	-.10
565258	D	20761	OP	.77	.10	.05	.07	.77	.00	.00	.31	-.16	-.17	-.16	.31
565313	B	20761	OP	.78	.16	.78	.05	.02	.00	.00	.30	-.15	.30	-.20	-.21
565315	B	20761	OP	.70	.11	.70	.18	.02	.00	.00	.28	-.16	.28	-.12	-.24
565341	C	20761	OP	.50	.09	.25	.50	.15	.00	.00	.33	-.26	-.09	.33	-.14
565343	B	20761	OP	.73	.10	.73	.10	.07	.00	.00	.49	-.23	.49	-.22	-.32
565347	C	20761	OP	.91	.06	.02	.91	.01	.00	.00	.12	.00	-.14	.12	-.14
565359	A	20761	OP	.59	.59	.12	.06	.23	.00	.00	.27	.27	-.07	-.18	-.15
565876	A	20761	OP	.59	.59	.09	.21	.11	.00	.00	.29	.29	-.25	-.14	-.04
602462	A	3402	FT	.49	.49	.16	.17	.18	.00	.00	.24	.24	-.25	-.11	.03
602463	A	3402	FT	.91	.91	.02	.01	.06	.00	.00	.37	.37	-.23	-.17	-.23
602464	A	3402	FT	.37	.37	.40	.05	.18	.00	.00	.29	.29	-.11	-.20	-.11
602465	D	3402	FT	.49	.14	.19	.18	.49	.00	.00	.34	-.22	-.07	-.16	.34
602466	D	3402	FT	.71	.06	.18	.06	.71	.00	.00	.39	-.30	-.14	-.23	.39
602467	C	3402	FT	.43	.36	.18	.43	.03	.00	.00	.29	-.10	-.17	.29	-.17
602468	C	3402	FT	.58	.18	.17	.58	.06	.00	.00	.35	-.20	-.18	.35	-.11
602469	D	3402	FT	.71	.11	.14	.04	.71	.00	.00	.37	-.19	-.21	-.18	.37
602470	A	3402	FT	.67	.67	.20	.05	.08	.00	.00	.33	.33	-.15	-.17	-.21
602473	B	3402	FT	.76	.10	.76	.07	.07	.00	.00	.37	-.17	.37	-.21	-.22
602474	C	7147	FT	.60	.15	.19	.60	.06	.00	.00	.39	-.21	-.18	.39	-.18
602475	C	7147	FT	.70	.10	.15	.70	.05	.00	.00	.46	-.24	-.26	.46	-.19
602476	D	7147	FT	.75	.10	.07	.07	.75	.00	.00	.51	-.22	-.26	-.30	.51
602477	B	7147	FT	.45	.19	.45	.13	.23	.00	.00	.32	-.13	.32	-.15	-.12
602478	D	7147	FT	.64	.07	.05	.24	.64	.00	.00	.47	-.28	-.28	-.21	.47
602479	B	7147	FT	.61	.12	.61	.05	.22	.00	.00	.29	-.16	.29	-.26	-.07
602480	A	7147	FT	.89	.89	.06	.04	.02	.00	.00	.42	.42	-.23	-.27	-.18
602481	A	7147	FT	.71	.71	.12	.10	.06	.00	.00	.54	.54	-.21	-.39	-.23
602482	B	7147	FT	.87	.04	.87	.05	.04	.00	.00	.42	-.19	.42	-.28	-.21
602483	C	7147	FT	.70	.09	.09	.70	.12	.00	.00	.48	-.23	-.25	.48	-.24
602484	C	3350	FT	.46	.05	.12	.46	.37	.00	.00	.32	-.18	-.26	.32	-.07
602485	B	3350	FT	.52	.26	.52	.12	.09	.00	.00	.26	-.03	.26	-.21	-.16
602486	D	3350	FT	.52	.21	.14	.12	.52	.00	.00	.15	-.13	-.02	-.05	.15
602487	D	3350	FT	.42	.22	.26	.10	.42	.00	.00	.04	.13	-.04	-.17	.04
602488	A	3350	FT	.72	.72	.03	.06	.19	.00	.00	.41	.41	-.25	-.09	-.30
602489	B	3350	FT	.62	.07	.62	.11	.20	.00	.00	.38	-.21	.38	-.25	-.13
602490	A	3350	FT	.81	.81	.08	.06	.05	.00	.00	.40	.40	-.16	-.27	-.24
602491	D	3350	FT	.72	.13	.06	.10	.72	.00	.00	.36	-.20	-.20	-.16	.36
602492	D	3350	FT	.67	.15	.12	.07	.67	.00	.00	.41	-.20	-.19	-.26	.41
602493	B	3350	FT	.58	.09	.58	.26	.08	.00	.00	.36	-.28	.36	-.08	-.25

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
602494	B	3437	FT	.94	.04	.94	.01	.00	.00	.00	.21	-.11	.21	-.17	-.11
602495	C	3437	FT	.56	.14	.13	.56	.17	.00	.00	.27	-.19	-.22	.27	.01
602496	D	3437	FT	.77	.12	.06	.05	.77	.00	.00	.44	-.26	-.24	-.22	.44
602497	A	3437	FT	.83	.83	.10	.05	.03	.00	.00	.42	.42	-.25	-.19	-.26
602498	C	3437	FT	.38	.13	.19	.38	.30	.00	.00	.32	-.10	-.17	.32	-.12
602499	A	3437	FT	.38	.38	.10	.34	.18	.00	.00	.14	.14	-.24	.13	-.15
602500	A	3437	FT	.67	.67	.05	.12	.17	.00	.00	.35	.35	-.28	-.14	-.15
602501	C	3437	FT	.48	.23	.17	.48	.12	.00	.00	.28	-.06	-.07	.28	-.28
602502	B	3437	FT	.31	.46	.31	.03	.20	.00	.00	.20	-.06	.20	-.17	-.08
602503	D	3437	FT	.27	.55	.02	.16	.27	.00	.00	.02	.11	-.21	-.08	.02
602504	B	3425	FT	.93	.03	.93	.01	.03	.00	.00	.39	-.26	.39	-.18	-.21
602506	A	3425	FT	.84	.84	.04	.08	.04	.00	.00	.43	.43	-.31	-.22	-.18
602507	B	3425	FT	.79	.10	.79	.07	.04	.00	.00	.36	-.14	.36	-.27	-.17
602509	C	3425	FT	.73	.07	.15	.73	.05	.00	.00	.38	-.15	-.24	.38	-.19
602510	D	3425	FT	.48	.21	.18	.13	.48	.00	.00	.22	-.16	-.04	-.09	.22
602511	B	3425	FT	.81	.05	.81	.10	.04	.00	.00	.37	-.21	.37	-.22	-.18
602512	A	3425	FT	.88	.88	.04	.05	.03	.00	.00	.39	.39	-.19	-.27	-.16
602513	C	3425	FT	.66	.16	.12	.66	.07	.00	.00	.39	-.20	-.21	.39	-.19
602514	C	3425	FT	.89	.02	.01	.89	.08	.00	.00	.21	-.18	-.14	.21	-.11
602515	C	3425	FT	.83	.04	.05	.83	.08	.00	.00	.39	-.20	-.24	.39	-.20

Grade 6

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
563718	C	20504	OP	.94	.03	.02	.94	.01	.00	.00	.38	-.21	-.26	.38	-.17
563719	B	20504	OP	.84	.05	.84	.10	.01	.00	.00	.32	-.23	.32	-.15	-.17
563720	A	20504	OP	.76	.76	.23	.01	.00	.00	.00	.38	.38	-.34	-.13	-.10
563722	B	20504	OP	.93	.03	.93	.02	.02	.00	.00	.40	-.23	.40	-.22	-.23
563723	A	20504	OP	.63	.63	.32	.04	.01	.00	.00	.13	.13	.00	-.22	-.12
563725	D	20504	OP	.91	.02	.04	.03	.91	.00	.00	.44	-.20	-.26	-.27	.44
563726	C	20504	OP	.68	.02	.27	.68	.03	.00	.00	.18	-.11	-.07	.18	-.21
563727	B	20504	OP	.80	.07	.80	.04	.09	.00	.00	.40	-.19	.40	-.26	-.20
563732	C	20504	OP	.75	.05	.18	.75	.02	.00	.00	.49	-.26	-.31	.49	-.24
563740	D	20504	OP	.43	.25	.17	.15	.43	.00	.00	.16	.06	-.11	-.16	.16
563804	B	20504	OP	.78	.06	.78	.05	.11	.00	.00	.44	-.24	.44	-.21	-.24
563809	D	20504	OP	.79	.04	.03	.14	.79	.00	.00	.45	-.25	-.20	-.28	.45
563812	B	20504	OP	.73	.17	.73	.07	.03	.00	.00	.28	-.12	.28	-.13	-.22
563815	A	20504	OP	.82	.82	.06	.10	.02	.00	.00	.48	.48	-.25	-.32	-.20
563818	D	20504	OP	.77	.10	.09	.05	.77	.00	.00	.40	-.14	-.26	-.23	.40
563821	D	20504	OP	.67	.07	.16	.10	.67	.00	.00	.33	-.23	-.13	-.14	.33
563827	A	20504	OP	.64	.64	.12	.06	.18	.00	.00	.36	.36	-.15	-.20	-.20
563828	B	20504	OP	.68	.06	.68	.21	.06	.00	.00	.32	-.19	.32	-.14	-.19
563831	B	20504	OP	.94	.02	.94	.01	.02	.00	.00	.35	-.21	.35	-.15	-.20
563832	D	20504	OP	.79	.06	.02	.13	.79	.00	.00	.42	-.31	-.24	-.18	.42
563834	A	20504	OP	.81	.81	.09	.08	.02	.00	.00	.47	.47	-.25	-.31	-.18
563838	C	20504	OP	.78	.10	.03	.78	.09	.00	.00	.26	-.15	-.10	.26	-.15
563841	C	20504	OP	.80	.04	.11	.80	.04	.00	.00	.47	-.23	-.25	.47	-.29
563852	A	20504	OP	.63	.63	.20	.04	.12	.00	.00	.32	.32	-.05	-.26	-.23
563855	D	20504	OP	.79	.02	.04	.15	.79	.00	.00	.32	-.20	-.20	-.16	.32
563857	B	20504	OP	.71	.12	.71	.13	.04	.00	.00	.37	-.26	.37	-.12	-.20
563859	B	20504	OP	.85	.06	.85	.04	.04	.00	.00	.45	-.25	.45	-.26	-.21
563866	D	20504	OP	.41	.14	.24	.21	.41	.00	.00	.36	-.09	-.21	-.12	.36
563868	B	20504	OP	.57	.19	.57	.15	.10	.00	.00	.30	-.09	.30	-.19	-.14
563869	C	20504	OP	.52	.16	.13	.52	.19	.00	.00	.34	-.23	-.07	.34	-.14
563874	B	20504	OP	.63	.31	.63	.05	.00	.00	.00	.38	-.31	.38	-.15	-.08
563878	A	20504	OP	.66	.66	.08	.21	.05	.00	.00	.40	.40	-.27	-.16	-.22
563879	D	20504	OP	.66	.09	.15	.09	.66	.00	.00	.47	-.23	-.24	-.22	.47
565817	A	20504	OP	.56	.56	.15	.06	.23	.00	.00	.40	.40	-.22	-.11	-.21
565820	C	20504	OP	.79	.11	.07	.79	.03	.00	.00	.52	-.33	-.29	.52	-.19
565822	A	20504	OP	.73	.73	.06	.17	.04	.00	.00	.37	.37	-.24	-.16	-.22
565825	D	20504	OP	.79	.05	.06	.10	.79	.00	.00	.48	-.25	-.26	-.26	.48
565832	D	20504	OP	.77	.15	.04	.05	.77	.00	.00	.37	-.22	-.18	-.19	.37

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
565851	D	20504	OP	.69	.20	.09	.03	.69	.00	.00	.41	-.23	-.24	-.16	.41
565854	C	20504	OP	.86	.04	.07	.86	.03	.00	.00	.46	-.24	-.31	.46	-.18
565857	B	20504	OP	.74	.14	.74	.02	.09	.00	.00	.35	-.24	.35	-.23	-.11
565858	A	20504	OP	.71	.71	.18	.07	.03	.00	.00	.34	.34	-.23	-.15	-.11
565860	B	20504	OP	.75	.21	.75	.02	.01	.00	.00	.34	-.26	.34	-.16	-.11
565897	D	20504	OP	.72	.10	.12	.06	.72	.00	.00	.41	-.27	-.15	-.22	.41
565898	B	20504	OP	.85	.07	.85	.04	.05	.00	.00	.36	-.21	.36	-.18	-.18
565899	A	20504	OP	.84	.84	.11	.03	.01	.00	.00	.51	.51	-.37	-.25	-.17
565900	B	20504	OP	.59	.19	.59	.02	.20	.00	.00	.26	-.06	.26	-.15	-.21
565903	C	20504	OP	.62	.11	.07	.62	.19	.00	.00	.40	-.25	-.26	.40	-.10
602516	C	6773	FT	.74	.06	.04	.74	.15	.00	.00	.49	-.25	-.25	.49	-.27
602517	D	6773	FT	.46	.31	.11	.11	.46	.00	.00	.34	-.14	-.13	-.19	.34
602518	A	6773	FT	.87	.87	.04	.03	.05	.00	.00	.32	.32	-.11	-.17	-.21
602519	B	6773	FT	.79	.06	.79	.07	.08	.00	.00	.50	-.23	.50	-.28	-.27
602521	D	6773	FT	.81	.07	.05	.06	.81	.00	.00	.49	-.26	-.24	-.28	.49
602523	D	6773	FT	.73	.09	.13	.05	.73	.00	.00	.43	-.21	-.22	-.24	.43
602524	A	6773	FT	.17	.17	.14	.46	.23	.00	.00	-.03	-.03	-.21	.15	.05
602525	D	6773	FT	.48	.10	.09	.33	.48	.00	.00	.27	-.11	-.18	-.08	.27
602527	B	6773	FT	.74	.07	.74	.07	.12	.00	.00	.54	-.28	.54	-.28	-.27
602528	C	6773	FT	.67	.09	.21	.67	.03	.00	.00	.48	-.20	-.31	.48	-.19
602529	D	3449	FT	.89	.04	.04	.03	.89	.00	.00	.43	-.17	-.28	-.27	.43
602531	B	3449	FT	.90	.02	.90	.03	.05	.00	.00	.30	-.22	.30	-.15	-.15
602532	C	3449	FT	.59	.14	.14	.59	.13	.00	.00	.30	-.07	-.24	.30	-.11
602533	D	3449	FT	.75	.04	.15	.06	.75	.00	.00	.55	-.27	-.32	-.28	.55
602534	B	3449	FT	.44	.31	.44	.12	.12	.00	.00	.28	.00	.28	-.20	-.21
602535	A	3449	FT	.73	.73	.08	.07	.11	.00	.00	.46	.46	-.22	-.27	-.22
602536	C	3449	FT	.88	.06	.03	.88	.02	.00	.00	.43	-.28	-.22	.43	-.21
602537	A	3449	FT	.35	.35	.13	.29	.22	.00	.00	.25	.25	-.13	-.07	-.09
602539	B	3449	FT	.88	.06	.88	.03	.02	.00	.00	.39	-.19	.39	-.25	-.21
602540	D	3449	FT	.37	.07	.05	.50	.37	.00	.00	-.02	-.16	-.20	.20	-.02
602542	A	3417	FT	.97	.97	.01	.01	.00	.00	.00	.36	.36	-.22	-.21	-.14
602543	C	3417	FT	.75	.14	.08	.75	.03	.00	.00	.48	-.23	-.37	.48	-.16
602545	D	3417	FT	.26	.38	.20	.15	.26	.00	.00	.21	-.02	-.02	-.20	.21
602546	B	3417	FT	.62	.03	.62	.19	.15	.00	.00	.35	-.20	.35	-.15	-.19
602548	B	3417	FT	.78	.04	.78	.02	.16	.00	.00	.33	-.22	.33	-.26	-.16
602549	C	3417	FT	.64	.03	.28	.64	.04	.00	.00	.32	-.23	-.13	.32	-.26
602550	B	3417	FT	.78	.05	.78	.11	.06	.00	.00	.40	-.23	.40	-.22	-.18
602551	D	3417	FT	.60	.22	.02	.16	.60	.00	.00	.16	-.10	-.24	.00	.16
602552	C	3417	FT	.71	.17	.07	.71	.05	.00	.00	.42	-.27	-.20	.42	-.15
602553	B	3417	FT	.69	.07	.69	.05	.18	.00	.00	.30	-.26	.30	-.19	-.07

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
602554	B	3433	FT	.86	.05	.86	.04	.05	.00	.00	.45	-.24	.45	-.25	-.25
602555	A	3433	FT	.44	.44	.10	.40	.05	.00	.00	-.02	-.02	-.29	.25	-.11
602556	D	3433	FT	.97	.02	.01	.00	.97	.00	.00	.24	-.17	-.15	-.08	.24
602557	C	3433	FT	.48	.14	.19	.48	.19	.00	.00	.22	-.13	-.17	.22	.01
602558	C	3433	FT	.53	.04	.36	.53	.07	.00	.00	.17	-.24	.01	.17	-.19
602559	C	3433	FT	.41	.35	.07	.41	.16	.00	.00	.27	-.10	-.06	.27	-.18
602560	B	3433	FT	.96	.01	.96	.02	.01	.00	.00	.24	-.12	.24	-.14	-.16
602561	D	3433	FT	.37	.07	.14	.41	.37	.00	.00	.20	-.29	-.28	.15	.20
602562	A	3432	FT	.61	.61	.09	.18	.12	.00	.00	.33	.33	-.19	-.18	-.10
602563	D	3432	FT	.57	.19	.08	.16	.57	.00	.00	.30	-.10	-.24	-.12	.30
602564	A	3432	FT	.65	.65	.03	.21	.12	.00	.00	.32	.32	-.21	-.08	-.26
602565	B	3432	FT	.84	.03	.84	.06	.07	.00	.00	.48	-.23	.48	-.25	-.29
602566	A	3432	FT	.81	.81	.02	.16	.01	.00	.00	.36	.36	-.24	-.26	-.15
602568	A	3432	FT	.58	.58	.19	.07	.16	.00	.00	.34	.34	-.11	-.24	-.16
602569	C	3432	FT	.56	.10	.21	.56	.12	.00	.00	.38	-.22	-.17	.38	-.16
602570	C	3432	FT	.75	.03	.06	.75	.16	.00	.00	.45	-.16	-.28	.45	-.28
602571	C	3432	FT	.78	.06	.05	.78	.11	.00	.00	.46	-.23	-.29	.46	-.22
602573	C	3432	FT	.41	.18	.21	.41	.19	.00	.00	.30	-.16	-.07	.30	-.14
604780	C	3433	FT	.93	.03	.03	.93	.01	.00	.00	.37	-.24	-.24	.37	-.12
604782	A	3433	FT	.82	.82	.13	.01	.03	.00	.00	.31	.31	-.22	-.15	-.15

Grade 7

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
563893	A	20401	OP	.58	.58	.06	.25	.11	.00	.00	.32	.32	-.26	-.08	-.20
563896	D	20401	OP	.74	.10	.06	.09	.74	.00	.00	.46	-.21	-.29	-.22	.46
563897	B	20401	OP	.47	.07	.47	.26	.19	.00	.00	.33	-.10	.33	-.19	-.14
563900	B	20401	OP	.82	.04	.82	.01	.13	.00	.00	.39	-.25	.39	-.18	-.24
563904	A	20401	OP	.78	.78	.04	.05	.14	.00	.00	.39	.39	-.24	-.18	-.22
563907	C	20401	OP	.85	.08	.04	.85	.03	.00	.00	.44	-.27	-.25	.44	-.20
563909	D	20401	OP	.61	.27	.06	.06	.61	.00	.00	.30	-.16	-.19	-.12	.30
563912	B	20401	OP	.37	.15	.37	.31	.16	.00	.00	.22	-.06	.22	-.11	-.09
563916	C	20401	OP	.83	.08	.04	.83	.05	.00	.00	.40	-.22	-.26	.40	-.18
563921	C	20401	OP	.82	.05	.08	.82	.05	.00	.00	.32	-.13	-.20	.32	-.17
563953	A	20401	OP	.75	.75	.02	.13	.10	.00	.00	.37	.37	-.13	-.26	-.17
563954	B	20401	OP	.51	.36	.51	.09	.04	.00	.00	.39	-.15	.39	-.26	-.24
563957	D	20401	OP	.65	.15	.10	.10	.65	.00	.00	.33	-.17	-.21	-.10	.33
563959	C	20401	OP	.58	.18	.14	.58	.09	.00	.00	.45	-.19	-.22	.45	-.23
563960	A	20401	OP	.85	.85	.07	.07	.02	.00	.00	.35	.35	-.27	-.13	-.21
563964	A	20401	OP	.69	.69	.18	.09	.05	.00	.00	.37	.37	-.18	-.22	-.18
563970	A	20401	OP	.84	.84	.08	.07	.02	.00	.00	.37	.37	-.26	-.17	-.16
563973	A	20401	OP	.67	.67	.10	.09	.14	.00	.00	.40	.40	-.24	-.14	-.20
563977	D	20401	OP	.56	.30	.09	.06	.56	.00	.00	.43	-.23	-.14	-.30	.43
563978	C	20401	OP	.87	.06	.03	.87	.05	.00	.00	.46	-.27	-.24	.46	-.23
563981	A	20401	OP	.62	.62	.09	.08	.21	.00	.00	.23	.23	-.13	-.16	-.06
563999	C	20401	OP	.72	.13	.11	.72	.04	.00	.00	.48	-.29	-.28	.48	-.13
564001	B	20401	OP	.48	.13	.48	.20	.18	.00	.00	.28	-.14	.28	-.16	-.06
564002	A	20401	OP	.67	.67	.15	.08	.10	.00	.00	.32	.32	-.13	-.19	-.16
564009	C	20401	OP	.54	.30	.10	.54	.05	.00	.00	.31	-.11	-.19	.31	-.20
564012	C	20401	OP	.49	.26	.13	.49	.11	.00	.00	.17	.01	-.28	.17	.03
564014	A	20401	OP	.69	.69	.13	.10	.08	.00	.00	.49	.49	-.27	-.26	-.21
564015	D	20401	OP	.60	.17	.17	.06	.60	.00	.00	.48	-.23	-.21	-.26	.48
564017	B	20401	OP	.54	.33	.54	.06	.06	.00	.00	.07	.07	.07	-.15	-.12
564023	A	20401	OP	.59	.59	.25	.04	.12	.00	.00	.29	.29	-.13	-.16	-.15
564024	B	20401	OP	.76	.12	.76	.09	.03	.00	.00	.47	-.24	.47	-.27	-.24
564025	D	20401	OP	.58	.16	.09	.16	.58	.00	.00	.39	-.11	-.12	-.31	.39
564031	B	20401	OP	.74	.12	.74	.10	.04	.00	.00	.28	-.11	.28	-.16	-.18
564033	D	20401	OP	.76	.06	.10	.07	.76	.00	.00	.49	-.22	-.28	-.26	.49
564034	B	20401	OP	.74	.16	.74	.05	.05	.00	.00	.46	-.27	.46	-.26	-.18
564035	B	20401	OP	.64	.19	.64	.06	.11	.00	.00	.30	.02	.30	-.29	-.26
564036	A	20401	OP	.77	.77	.04	.14	.05	.00	.00	.48	.48	-.24	-.28	-.24
564038	B	20401	OP	.93	.04	.93	.02	.01	.00	.00	.32	-.21	.32	-.19	-.14

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
564040	C	20401	OP	.72	.12	.09	.72	.07	.00	.00	.47	-.23	-.30	.47	-.18
565438	B	20401	OP	.86	.04	.86	.01	.08	.00	.00	.39	-.24	.39	-.21	-.21
565439	C	20401	OP	.92	.03	.03	.92	.02	.00	.00	.39	-.21	-.23	.39	-.20
565517	A	20401	OP	.80	.80	.10	.04	.06	.00	.00	.32	.32	-.21	-.16	-.12
565519	C	20401	OP	.67	.20	.09	.67	.04	.00	.00	.32	-.16	-.17	.32	-.20
565528	C	20401	OP	.61	.11	.03	.61	.25	.00	.00	.18	-.20	-.23	.18	.04
565547	A	20401	OP	.54	.54	.34	.07	.05	.00	.00	.36	.36	-.18	-.20	-.17
565665	C	20401	OP	.75	.18	.05	.75	.03	.00	.00	.30	-.13	-.20	.30	-.21
565667	D	20401	OP	.59	.13	.12	.16	.59	.00	.00	.21	-.01	-.24	-.06	.21
565671	B	20401	OP	.94	.02	.94	.01	.03	.00	.00	.28	-.15	.28	-.15	-.17
602574	C	3451	FT	.61	.21	.08	.61	.10	.00	.00	.38	-.26	-.20	.38	-.07
602575	D	3451	FT	.49	.10	.36	.04	.49	.00	.00	.33	-.18	-.13	-.23	.33
602577	B	3451	FT	.28	.63	.28	.04	.04	.00	.00	.15	.06	.15	-.23	-.24
602578	B	3451	FT	.79	.05	.79	.03	.13	.00	.00	.42	-.27	.42	-.22	-.22
602580	A	3451	FT	.84	.84	.04	.05	.07	.00	.00	.25	.25	-.11	-.14	-.15
602581	D	3451	FT	.28	.63	.03	.05	.28	.00	.00	.18	.02	-.29	-.18	.18
602582	D	3451	FT	.87	.05	.05	.03	.87	.00	.00	.44	-.24	-.26	-.22	.44
602583	A	3451	FT	.36	.36	.25	.13	.26	.00	.00	.24	.24	-.10	-.32	.09
602585	A	3451	FT	.85	.85	.05	.06	.04	.00	.00	.46	.46	-.25	-.27	-.23
602587	D	3496	FT	.60	.11	.15	.14	.60	.00	.00	.45	-.31	-.21	-.13	.45
602588	B	3496	FT	.54	.11	.54	.07	.28	.00	.00	.23	-.18	.23	-.22	.00
602589	D	3496	FT	.69	.08	.12	.11	.69	.00	.00	.40	-.21	-.15	-.26	.40
602590	A	3496	FT	.79	.79	.08	.06	.06	.00	.00	.39	.39	-.23	-.26	-.12
602591	B	3496	FT	.43	.20	.43	.18	.19	.00	.00	.26	-.17	.26	-.13	-.01
602592	D	3496	FT	.53	.23	.17	.07	.53	.00	.00	.33	-.24	-.05	-.17	.33
602593	B	3496	FT	.60	.16	.60	.19	.05	.00	.00	.32	-.31	.32	.01	-.22
602595	A	3496	FT	.40	.40	.18	.20	.21	.00	.00	.02	.02	.00	.03	-.05
602597	C	3496	FT	.74	.03	.12	.74	.11	.00	.00	.48	-.22	-.30	.48	-.23
602598	D	3496	FT	.31	.29	.32	.08	.31	.00	.00	.16	.20	-.22	-.23	.16
602601	C	3418	FT	.43	.12	.34	.43	.11	.00	.00	.22	-.21	-.02	.22	-.10
602603	D	3418	FT	.57	.20	.14	.09	.57	.00	.00	.43	-.25	-.13	-.24	.43
602605	B	3418	FT	.62	.08	.62	.10	.19	.00	.00	.39	-.22	.39	-.21	-.17
602606	A	3418	FT	.53	.53	.21	.23	.03	.00	.00	.27	.27	-.06	-.19	-.16
602607	C	3418	FT	.49	.26	.15	.49	.10	.00	.00	.32	-.20	-.08	.32	-.14
602608	A	3418	FT	.67	.67	.08	.17	.09	.00	.00	.38	.38	-.24	-.20	-.13
602609	B	3418	FT	.75	.12	.75	.08	.04	.00	.00	.36	-.16	.36	-.27	-.14
602610	C	3418	FT	.20	.10	.57	.20	.12	.00	.00	.14	-.15	.09	.14	-.16
602612	B	3418	FT	.65	.24	.65	.09	.02	.00	.00	.46	-.29	.46	-.26	-.17
602613	D	3418	FT	.43	.29	.18	.10	.43	.00	.00	.37	-.09	-.15	-.26	.37
602614	B	3509	FT	.89	.01	.89	.08	.02	.00	.00	.34	-.15	.34	-.25	-.15

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
602615	A	3509	FT	.33	.33	.18	.28	.21	.00	.00	-.01	-.01	-.10	.06	.04
602616	B	3509	FT	.68	.03	.68	.05	.24	.00	.00	.23	-.26	.23	-.21	-.04
602617	D	3509	FT	.51	.13	.26	.11	.51	.00	.00	.37	-.23	-.17	-.11	.37
602618	A	3509	FT	.77	.77	.12	.03	.08	.00	.00	.45	.45	-.30	-.28	-.17
602619	D	3509	FT	.64	.08	.05	.23	.64	.00	.00	.53	-.28	-.31	-.25	.53
602620	C	3509	FT	.70	.06	.21	.70	.02	.00	.00	.41	-.25	-.26	.41	-.16
602621	B	3509	FT	.40	.17	.40	.14	.28	.00	.00	.16	-.02	.16	-.28	.06
602622	D	3509	FT	.84	.08	.04	.05	.84	.00	.00	.45	-.21	-.25	-.29	.45
602623	D	3509	FT	.77	.11	.03	.08	.77	.00	.00	.38	-.25	-.29	-.11	.38
602624	C	6527	FT	.71	.16	.07	.71	.05	.00	.00	.45	-.23	-.30	.45	-.17
602625	B	6527	FT	.67	.14	.67	.08	.11	.00	.00	.32	-.10	.32	-.14	-.22
602626	D	6527	FT	.42	.18	.31	.08	.42	.00	.00	.45	.04	-.42	-.13	.45
602630	C	6527	FT	.59	.17	.18	.59	.06	.00	.00	.38	-.21	-.12	.38	-.23
602631	D	6527	FT	.82	.06	.05	.07	.82	.00	.00	.53	-.27	-.30	-.27	.53
602632	D	6527	FT	.76	.06	.08	.09	.76	.00	.00	.56	-.28	-.26	-.32	.56
602633	A	6527	FT	.44	.44	.10	.21	.24	.00	.00	.39	.39	-.20	-.27	-.04
602634	B	6527	FT	.65	.13	.65	.14	.09	.00	.00	.36	-.16	.36	-.27	-.07
602635	A	6527	FT	.75	.75	.07	.03	.15	.00	.00	.44	.44	-.22	-.22	-.26
602636	D	6527	FT	.70	.12	.03	.14	.70	.00	.00	.33	-.21	-.25	-.09	.33
602640	B	3451	FT	.62	.07	.62	.15	.16	.00	.00	.31	-.26	.31	-.10	-.13

Grade 8

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
564086	B	20425	OP	.67	.20	.67	.10	.03	.00	.00	.26	-.09	.26	-.15	-.21
564090	C	20425	OP	.57	.01	.37	.57	.05	.00	.00	.34	-.11	-.24	.34	-.17
564091	C	20425	OP	.93	.03	.02	.93	.02	.00	.00	.40	-.23	-.22	.40	-.22
564098	B	20425	OP	.80	.03	.80	.15	.02	.00	.00	.33	-.22	.33	-.19	-.19
564100	A	20425	OP	.77	.77	.16	.03	.03	.00	.00	.17	.17	-.06	-.17	-.09
564106	A	20425	OP	.93	.93	.04	.01	.02	.00	.00	.31	.31	-.20	-.18	-.14
564115	C	20425	OP	.72	.10	.10	.72	.08	.00	.00	.33	-.12	-.22	.33	-.15
564116	C	20425	OP	.81	.06	.03	.81	.10	.00	.00	.42	-.32	-.22	.42	-.17
564118	B	20425	OP	.90	.01	.90	.06	.03	.00	.00	.37	-.17	.37	-.27	-.16
564127	C	20425	OP	.57	.23	.15	.57	.05	.00	.00	.25	-.10	-.15	.25	-.10
564129	B	20425	OP	.82	.08	.82	.05	.04	.00	.00	.45	-.23	.45	-.30	-.18
564131	C	20425	OP	.77	.11	.11	.77	.01	.00	.00	.38	-.25	-.17	.38	-.18
564133	D	20425	OP	.59	.18	.09	.14	.59	.00	.00	.39	-.12	-.25	-.20	.39
564136	B	20425	OP	.61	.03	.61	.02	.35	.00	.00	.43	-.20	.43	-.21	-.30
564137	D	20425	OP	.86	.04	.06	.04	.86	.00	.00	.35	-.19	-.14	-.22	.35
564138	C	20425	OP	.73	.03	.17	.73	.07	.00	.00	.34	-.23	-.21	.34	-.10
564139	B	20425	OP	.72	.14	.72	.04	.10	.00	.00	.35	-.11	.35	-.24	-.22
564226	A	20425	OP	.82	.82	.12	.03	.03	.00	.00	.26	.26	-.10	-.20	-.16
564228	A	20425	OP	.47	.47	.37	.09	.07	.00	.00	.38	.38	-.19	-.20	-.14
564229	B	20425	OP	.69	.15	.69	.11	.06	.00	.00	.44	-.20	.44	-.27	-.20
564232	B	20425	OP	.68	.08	.68	.06	.17	.00	.00	.40	-.21	.40	-.26	-.16
564233	C	20425	OP	.79	.04	.09	.79	.09	.00	.00	.42	-.22	-.20	.42	-.24
564235	A	20425	OP	.60	.60	.16	.21	.02	.00	.00	.25	.25	-.14	-.10	-.18
564236	A	20425	OP	.77	.77	.10	.08	.06	.00	.00	.49	.49	-.31	-.23	-.22
564238	D	20425	OP	.79	.02	.02	.16	.79	.00	.00	.37	-.18	-.24	-.23	.37
564239	B	20425	OP	.83	.10	.83	.06	.01	.00	.00	.44	-.21	.44	-.35	-.15
564240	D	20425	OP	.48	.07	.08	.37	.48	.00	.00	.26	-.20	-.22	-.03	.26
564242	C	20425	OP	.54	.06	.28	.54	.13	.00	.00	.38	-.23	-.16	.38	-.17
564248	A	20425	OP	.65	.65	.04	.26	.05	.00	.00	.30	.30	-.22	-.10	-.23
564251	A	20425	OP	.75	.75	.09	.11	.04	.00	.00	.51	.51	-.31	-.24	-.24
564255	A	20425	OP	.70	.70	.03	.02	.25	.00	.00	.30	.30	-.25	-.22	-.14
564262	D	20425	OP	.83	.03	.05	.09	.83	.00	.00	.50	-.24	-.24	-.31	.50
564264	C	20425	OP	.77	.11	.10	.77	.01	.00	.00	.31	-.12	-.23	.31	-.16
564266	C	20425	OP	.70	.07	.19	.70	.03	.00	.00	.33	-.11	-.20	.33	-.21
564271	C	20425	OP	.61	.03	.15	.61	.21	.00	.00	.24	-.10	-.27	.24	-.01
564272	A	20425	OP	.66	.66	.11	.21	.02	.00	.00	.26	.26	-.17	-.11	-.17
564273	B	20425	OP	.73	.07	.73	.19	.02	.00	.00	.38	-.31	.38	-.17	-.15
564277	C	20425	OP	.87	.05	.04	.87	.04	.00	.00	.48	-.28	-.27	.48	-.23
564278	B	20425	OP	.74	.15	.74	.07	.04	.00	.00	.39	-.24	.39	-.14	-.25

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
564280	C	20425	OP	.70	.08	.06	.70	.16	.00	.00	.41	-.16	-.18	.41	-.27
564281	D	20425	OP	.60	.06	.07	.27	.60	.00	.00	.30	-.29	-.16	-.08	.30
564283	C	20425	OP	.40	.03	.26	.40	.30	.00	.00	.18	-.11	-.24	.18	.08
565716	A	20425	OP	.59	.59	.06	.10	.24	.00	.00	.25	.25	-.26	-.20	.01
565758	B	20425	OP	.63	.18	.63	.04	.15	.00	.00	.36	-.10	.36	-.24	-.24
565787	D	20425	OP	.68	.12	.10	.10	.68	.00	.00	.48	-.24	-.27	-.21	.48
565790	C	20425	OP	.73	.12	.03	.73	.11	.00	.00	.44	-.24	-.27	.44	-.20
565810	C	20425	OP	.86	.03	.08	.86	.03	.00	.00	.39	-.27	-.21	.39	-.16
565819	A	20425	OP	.73	.73	.14	.10	.03	.00	.00	.34	.34	-.15	-.20	-.18
565831	D	20425	OP	.48	.10	.21	.21	.48	.00	.00	.36	-.06	-.18	-.21	.36
565848	A	20425	OP	.58	.58	.28	.05	.09	.00	.00	.32	.32	-.15	-.18	-.18
602740	B	3452	FT	.57	.26	.57	.09	.07	.00	.00	.31	-.13	.31	-.17	-.18
602741	D	3452	FT	.80	.05	.03	.12	.80	.00	.00	.45	-.26	-.21	-.27	.45
602742	D	3452	FT	.44	.20	.23	.13	.44	.00	.00	.27	-.08	-.16	-.10	.27
602743	C	3452	FT	.90	.04	.03	.90	.03	.00	.00	.24	-.16	-.15	.24	-.09
602744	A	3452	FT	.72	.72	.07	.15	.05	.00	.00	.34	.34	-.25	-.12	-.19
602745	A	3452	FT	.83	.83	.14	.02	.01	.00	.00	.46	.46	-.36	-.24	-.15
602746	D	3452	FT	.81	.03	.12	.04	.81	.00	.00	.50	-.24	-.39	-.16	.50
602748	C	3452	FT	.75	.05	.16	.75	.04	.00	.00	.44	-.19	-.27	.44	-.25
602749	A	3452	FT	.87	.87	.06	.03	.04	.00	.00	.43	.43	-.31	-.18	-.21
602751	A	3452	FT	.88	.88	.04	.06	.02	.00	.00	.36	.36	-.17	-.26	-.15
602752	D	3369	FT	.59	.12	.09	.20	.59	.00	.00	.34	-.16	-.28	-.08	.34
602753	D	3369	FT	.72	.11	.10	.07	.72	.00	.00	.42	-.15	-.24	-.27	.42
602754	B	3369	FT	.80	.01	.80	.04	.15	.00	.00	.32	-.19	.32	-.19	-.20
602755	D	3369	FT	.62	.25	.09	.03	.62	.00	.00	.38	-.19	-.20	-.22	.38
602757	D	3369	FT	.88	.03	.06	.03	.88	.00	.00	.44	-.25	-.22	-.28	.44
602759	C	3369	FT	.60	.11	.21	.60	.07	.00	.00	.39	-.19	-.13	.39	-.29
602760	A	3369	FT	.32	.32	.08	.53	.07	.00	.00	.18	.18	-.30	.09	-.18
602761	C	3369	FT	.62	.11	.15	.62	.13	.00	.00	.28	-.13	-.12	.28	-.16
602762	A	3369	FT	.66	.66	.11	.07	.16	.00	.00	.41	.41	-.31	-.23	-.11
602763	A	3369	FT	.77	.77	.04	.08	.10	.00	.00	.44	.44	-.25	-.26	-.20
602765	C	3494	FT	.48	.07	.40	.48	.04	.00	.00	.32	-.23	-.16	.32	-.12
602766	B	3494	FT	.63	.21	.63	.09	.06	.00	.00	.41	-.25	.41	-.09	-.29
602767	D	3494	FT	.54	.12	.12	.22	.54	.00	.00	.22	-.01	-.14	-.14	.22
602768	C	3494	FT	.94	.01	.03	.94	.01	.00	.00	.39	-.21	-.25	.39	-.20
602769	C	3494	FT	.78	.03	.08	.78	.11	.00	.00	.34	-.19	-.30	.34	-.08
602770	B	3494	FT	.19	.46	.19	.23	.11	.00	.00	.10	-.18	.10	.11	.02
602771	A	3494	FT	.70	.70	.16	.10	.04	.00	.00	.46	.46	-.30	-.22	-.17
602772	B	3494	FT	.90	.02	.90	.06	.02	.00	.00	.48	-.26	.48	-.33	-.20
602775	A	3494	FT	.73	.73	.06	.08	.14	.00	.00	.39	.39	-.23	-.25	-.15

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
602776	B	3494	FT	.47	.13	.47	.34	.06	.00	.00	.39	-.25	.39	-.12	-.22
602778	D	6675	FT	.67	.03	.10	.21	.67	.00	.00	.22	-.17	-.19	-.03	.22
602779	A	6675	FT	.74	.74	.04	.09	.12	.00	.00	.43	.43	-.27	-.25	-.16
602780	B	6675	FT	.55	.11	.55	.11	.22	.00	.00	.28	-.17	.28	-.19	-.04
602783	C	6675	FT	.63	.21	.09	.63	.08	.00	.00	.32	-.05	-.23	.32	-.25
602785	C	6675	FT	.57	.18	.12	.57	.13	.00	.00	.34	-.16	-.18	.34	-.12
602786	A	6675	FT	.58	.58	.10	.22	.10	.00	.00	.48	.48	-.26	-.20	-.23
602787	A	6675	FT	.70	.70	.03	.12	.14	.00	.00	.27	.27	-.22	-.10	-.13
602788	D	6675	FT	.57	.14	.18	.11	.57	.00	.00	.40	-.17	-.19	-.18	.40
602789	D	6675	FT	.56	.19	.16	.10	.56	.00	.00	.35	-.08	-.21	-.21	.35
602790	A	6675	FT	.49	.49	.22	.18	.11	.00	.00	.33	.33	-.19	-.13	-.08
602791	A	3435	FT	.35	.35	.15	.32	.18	.00	.00	.09	.09	-.13	.03	-.03
602793	B	3435	FT	.54	.09	.54	.34	.04	.00	.00	.14	-.10	.14	-.04	-.11
602794	A	3435	FT	.71	.71	.13	.05	.10	.00	.00	.54	.54	-.32	-.24	-.27
602795	B	3435	FT	.70	.19	.70	.05	.06	.00	.00	.39	-.12	.39	-.28	-.29
602796	B	3435	FT	.36	.02	.36	.07	.54	.00	.00	.01	-.18	.01	-.26	.17
602797	C	3435	FT	.92	.03	.03	.92	.02	.00	.00	.46	-.24	-.30	.46	-.23
602798	D	3435	FT	.78	.05	.04	.13	.78	.00	.00	.36	-.26	-.23	-.14	.36
602800	A	3435	FT	.60	.60	.14	.14	.11	.00	.00	.40	.40	-.18	-.19	-.20
602802	A	3435	FT	.80	.80	.03	.06	.12	.00	.00	.52	.52	-.26	-.27	-.32
602804	C	3435	FT	.52	.04	.41	.52	.03	.00	.00	.29	-.26	-.14	.29	-.17

Grade 11

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
564301	A	20566	OP	.44	.44	.07	.19	.30	.00	.00	.29	.29	-.17	-.14	-.07
564302	A	20566	OP	.60	.60	.08	.18	.14	.00	.00	.39	.39	-.14	-.21	-.18
564304	B	20566	OP	.83	.05	.83	.09	.03	.00	.00	.42	-.20	.42	-.30	-.11
564305	C	20566	OP	.84	.07	.03	.84	.05	.00	.00	.46	-.29	-.21	.46	-.20
564310	A	20566	OP	.56	.56	.24	.04	.16	.00	.00	.29	.29	.03	-.23	-.27
564311	D	20566	OP	.84	.06	.04	.05	.84	.00	.00	.35	-.09	-.19	-.26	.35
564318	B	20566	OP	.47	.30	.47	.17	.05	.00	.00	.19	.03	.19	-.20	-.10
564324	A	20566	OP	.77	.77	.03	.15	.05	.00	.00	.26	.26	-.11	-.15	-.17
564326	D	20566	OP	.85	.04	.10	.01	.85	.00	.00	.15	-.22	.01	-.14	.15
564329	B	20566	OP	.89	.05	.89	.02	.04	.00	.00	.41	-.24	.41	-.22	-.23
564331	C	20566	OP	.69	.03	.21	.69	.08	.00	.00	.51	-.15	-.36	.51	-.24
564333	B	20566	OP	.61	.06	.61	.08	.25	.00	.00	.37	-.14	.37	-.30	-.15
564341	A	20566	OP	.89	.89	.06	.02	.03	.00	.00	.40	.40	-.27	-.20	-.19
564345	A	20566	OP	.62	.62	.12	.24	.01	.01	.00	.26	.26	-.17	-.09	-.16
564346	D	20566	OP	.62	.04	.18	.15	.62	.00	.00	.46	-.20	-.24	-.23	.46
564347	A	20566	OP	.51	.51	.10	.30	.09	.01	.00	.26	.26	-.19	-.03	-.16
564351	D	20566	OP	.67	.07	.16	.11	.67	.00	.00	.35	-.09	-.19	-.21	.35
564352	B	20566	OP	.28	.45	.28	.20	.07	.00	.00	.18	.01	.18	-.06	-.21
564360	C	20566	OP	.53	.29	.16	.53	.01	.00	.00	.21	-.04	-.15	.21	-.15
564366	D	20566	OP	.85	.07	.04	.03	.85	.00	.00	.46	-.25	-.24	-.21	.46
564371	A	20566	OP	.60	.60	.17	.04	.20	.00	.00	.26	.26	-.22	-.25	.03
564374	D	20566	OP	.52	.16	.09	.23	.52	.00	.00	.23	-.15	-.16	-.01	.23
564385	A	20566	OP	.74	.74	.04	.15	.07	.00	.00	.35	.35	-.20	-.18	-.16
564388	A	20566	OP	.78	.78	.08	.12	.02	.01	.00	.36	.36	-.19	-.19	-.17
564389	B	20566	OP	.66	.03	.66	.14	.16	.00	.00	.42	-.20	.42	-.37	-.06
564401	A	20566	OP	.78	.78	.12	.07	.02	.00	.00	.36	.36	-.13	-.27	-.16
564402	A	20566	OP	.54	.54	.19	.10	.16	.01	.00	.33	.33	-.17	-.17	-.09
564403	D	20566	OP	.71	.06	.13	.11	.71	.00	.00	.55	-.25	-.29	-.27	.55
564404	C	20566	OP	.73	.03	.12	.73	.12	.00	.00	.37	-.18	-.22	.37	-.17
564415	D	20566	OP	.80	.11	.04	.04	.80	.00	.00	.48	-.21	-.28	-.29	.48
564416	A	20566	OP	.88	.88	.05	.05	.02	.00	.00	.41	.41	-.24	-.22	-.17
564418	B	20566	OP	.93	.02	.93	.04	.01	.00	.00	.44	-.22	.44	-.29	-.16
564424	A	20566	OP	.82	.82	.06	.10	.03	.00	.00	.32	.32	-.15	-.23	-.13
564428	B	20566	OP	.59	.07	.59	.06	.28	.00	.00	.01	-.01	.01	-.12	.06
564430	A	20566	OP	.67	.67	.18	.13	.02	.00	.00	.36	.36	-.31	-.10	-.11
564436	B	20566	OP	.81	.11	.81	.06	.02	.00	.00	.36	-.14	.36	-.30	-.18
564445	C	20566	OP	.88	.04	.07	.88	.02	.00	.00	.40	-.26	-.21	.40	-.19
564463	B	20566	OP	.67	.15	.67	.14	.05	.00	.00	.22	-.03	.22	-.18	-.13
564465	C	20566	OP	.66	.01	.06	.66	.27	.00	.00	.31	-.16	-.17	.31	-.21

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
564469	B	20566	OP	.73	.11	.73	.14	.02	.00	.00	.38	-.11	.38	-.31	-.16
564471	A	20566	OP	.50	.50	.15	.18	.17	.00	.00	.39	.39	-.19	-.14	-.19
564472	D	20566	OP	.62	.08	.24	.06	.62	.00	.00	.50	-.25	-.32	-.18	.50
564474	A	20566	OP	.92	.92	.03	.02	.03	.00	.00	.44	.44	-.28	-.25	-.22
564477	A	20566	OP	.74	.74	.12	.04	.09	.00	.00	.26	.26	-.19	-.10	-.11
564479	D	20566	OP	.80	.08	.05	.07	.80	.00	.00	.43	-.17	-.23	-.28	.43
565549	A	20566	OP	.79	.79	.16	.03	.02	.00	.00	.46	.46	-.29	-.24	-.21
565551	C	20566	OP	.74	.18	.05	.74	.03	.00	.00	.41	-.25	-.22	.41	-.17
565556	A	20566	OP	.65	.65	.06	.09	.20	.01	.00	.37	.37	-.27	-.23	-.09
565572	C	20566	OP	.39	.41	.08	.39	.12	.00	.00	.28	-.08	-.18	.28	-.11
565647	B	20566	OP	.66	.13	.66	.16	.05	.00	.00	.37	-.16	.37	-.23	-.17
602805	C	3469	FT	.66	.27	.04	.66	.04	.00	.00	.21	-.11	-.16	.21	-.10
602807	C	3469	FT	.31	.25	.15	.31	.29	.00	.00	.05	.14	-.06	.05	-.14
602808	C	3469	FT	.58	.30	.07	.58	.04	.00	.00	.24	-.03	-.24	.24	-.18
602809	A	3469	FT	.53	.53	.14	.16	.16	.00	.00	.38	.38	-.23	-.23	-.05
602810	A	3469	FT	.58	.58	.18	.13	.11	.00	.00	.48	.48	-.25	-.27	-.15
602811	B	3469	FT	.54	.30	.54	.03	.12	.00	.00	.36	-.20	.36	-.26	-.11
602813	D	3469	FT	.68	.11	.12	.09	.68	.00	.00	.29	.02	-.16	-.31	.29
602814	B	3469	FT	.51	.28	.51	.08	.12	.00	.00	.35	-.28	.35	-.13	-.04
602815	A	3469	FT	.31	.31	.34	.17	.18	.00	.00	.10	.10	.11	-.11	-.15
602818	D	3469	FT	.47	.21	.24	.08	.47	.00	.00	.37	-.06	-.25	-.20	.37
602819	B	3364	FT	.54	.07	.54	.21	.18	.00	.00	.20	-.05	.20	-.23	.01
602820	B	3364	FT	.63	.22	.63	.05	.10	.00	.00	.41	-.32	.41	-.15	-.11
602824	B	3364	FT	.59	.03	.59	.26	.11	.00	.00	.39	-.27	.39	-.16	-.22
602825	D	3364	FT	.30	.11	.41	.18	.30	.00	.00	.28	-.18	.03	-.22	.28
602826	B	3364	FT	.87	.03	.87	.04	.07	.00	.00	.32	-.19	.32	-.22	-.15
602827	B	3364	FT	.46	.08	.46	.12	.34	.00	.00	.16	-.18	.16	-.31	.14
602828	A	3364	FT	.66	.66	.13	.17	.04	.00	.00	.34	.34	-.06	-.24	-.25
602829	A	3364	FT	.41	.41	.06	.04	.49	.00	.00	.18	.18	-.22	-.19	.01
602830	C	3364	FT	.72	.02	.06	.72	.20	.00	.00	.36	-.22	-.25	.36	-.18
602832	C	3364	FT	.89	.02	.08	.89	.01	.00	.00	.34	-.18	-.24	.34	-.15
602833	C	3357	FT	.79	.10	.08	.79	.03	.00	.00	.30	-.17	-.13	.30	-.19
602835	D	3357	FT	.60	.16	.21	.03	.60	.00	.00	.40	-.26	-.15	-.24	.40
602836	A	3357	FT	.94	.94	.02	.02	.02	.00	.00	.30	.30	-.18	-.17	-.15
602839	B	3357	FT	.79	.09	.79	.07	.05	.00	.00	.37	-.17	.37	-.22	-.22
602840	D	3357	FT	.61	.07	.22	.10	.61	.00	.00	.31	-.22	-.14	-.12	.31
602841	A	3357	FT	.67	.67	.16	.09	.08	.00	.00	.40	.40	-.25	-.15	-.19
602842	C	3357	FT	.58	.28	.04	.58	.11	.00	.00	.42	-.17	-.25	.42	-.26
602843	D	3357	FT	.49	.20	.19	.11	.49	.00	.00	.36	-.14	-.12	-.24	.36
602844	B	3357	FT	.73	.07	.73	.12	.07	.00	.00	.38	-.07	.38	-.31	-.19

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
602845	B	3357	FT	.83	.11	.83	.05	.01	.00	.00	.49	-.41	.49	-.17	-.17
602846	B	3460	FT	.77	.19	.77	.02	.02	.00	.00	.40	-.28	.40	-.20	-.17
602847	A	3460	FT	.46	.46	.18	.32	.04	.00	.00	.40	.40	-.07	-.29	-.16
602848	A	3460	FT	.60	.60	.10	.13	.18	.00	.00	.36	.36	-.20	-.20	-.13
602850	A	3460	FT	.55	.55	.16	.13	.15	.00	.00	.01	.01	.04	-.03	.00
602851	A	3460	FT	.27	.27	.25	.13	.35	.00	.00	.11	.11	-.07	-.14	.07
602852	B	3460	FT	.69	.03	.69	.07	.20	.00	.00	.19	-.24	.19	-.22	.05
602853	D	3460	FT	.73	.05	.08	.14	.73	.00	.00	.44	-.19	-.22	-.26	.44
602856	C	3460	FT	.46	.10	.27	.46	.17	.00	.00	.30	-.22	-.15	.30	-.04
602857	D	3460	FT	.81	.03	.13	.03	.81	.00	.00	.41	-.22	-.23	-.24	.41
602859	C	3460	FT	.62	.08	.17	.62	.13	.00	.00	.18	-.22	-.09	.18	.03
602860	A	6916	FT	.73	.73	.07	.13	.07	.00	.00	.46	.46	-.25	-.27	-.20
602861	C	6916	FT	.80	.05	.05	.80	.11	.00	.00	.44	-.29	-.27	.44	-.18
602863	B	6916	FT	.21	.04	.21	.14	.61	.00	.00	.01	-.27	.01	-.12	.19
602864	D	6916	FT	.78	.07	.05	.09	.78	.00	.00	.47	-.28	-.15	-.29	.47
602867	D	6916	FT	.35	.26	.17	.22	.35	.00	.00	.29	-.09	-.07	-.17	.29
602868	A	6916	FT	.72	.72	.09	.07	.12	.00	.00	.43	.43	-.27	-.25	-.15
602869	C	6916	FT	.79	.05	.07	.79	.08	.00	.00	.44	-.24	-.25	.44	-.21
602870	A	6916	FT	.86	.86	.03	.05	.05	.00	.00	.45	.45	-.25	-.28	-.20
602871	A	6916	FT	.75	.75	.09	.09	.07	.00	.00	.44	.44	-.27	-.22	-.19
602872	B	6916	FT	.58	.06	.58	.33	.03	.00	.00	.19	-.23	.19	-.01	-.18

Appendix H: Mathematics Key Verification and Foil Analysis

Grade 3

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
598840	C	5252	FT	.76	.06	.08	.76	.08	.02	.00	0.42	-0.18	-0.18	0.42	-0.23
598841	D	4338	FT	.88	.02	.01	.09	.88	.00	.00	0.24	-0.12	-0.11	-0.14	0.24
599737	C	2642	FT	.65	.09	.12	.65	.12	.02	.00	0.53	-0.22	-0.21	0.53	-0.24
599738	B	5237	FT	.83	.04	.83	.06	.06	.02	.00	0.43	-0.22	0.43	-0.24	-0.15
599739	D	2609	FT	.66	.12	.06	.16	.66	.00	.00	0.41	-0.26	-0.20	-0.17	0.41
599740	A	4338	FT	.81	.81	.06	.07	.05	.01	.00	0.40	0.40	-0.17	-0.23	-0.19
599741	C	5237	FT	.50	.13	.25	.50	.11	.02	.00	0.40	-0.17	-0.12	0.40	-0.21
599742	B	2642	FT	.78	.06	.78	.12	.04	.00	.00	0.38	-0.18	0.38	-0.23	-0.19
599743	B	2594	FT	.86	.05	.86	.04	.05	.00	.00	0.36	-0.15	0.36	-0.15	-0.26
599744	C	5285	FT	.59	.20	.06	.59	.13	.02	.00	0.44	-0.14	-0.15	0.44	-0.29
599745	A	2609	FT	.84	.84	.03	.07	.03	.03	.00	0.44	0.44	-0.23	-0.15	-0.19
599746	A	4338	FT	.81	.81	.11	.03	.04	.01	.00	0.39	0.39	-0.23	-0.16	-0.20
599747	D	4338	FT	.88	.01	.07	.02	.88	.02	.00	0.40	-0.15	-0.22	-0.14	0.40
599748	D	2594	FT	.90	.01	.02	.03	.90	.03	.00	0.42	-0.18	-0.16	-0.16	0.42
599749	B	4338	FT	.89	.02	.89	.07	.01	.01	.00	0.29	-0.11	0.29	-0.18	-0.13
599750	C	2642	FT	.89	.04	.01	.89	.03	.02	.00	0.43	-0.18	-0.15	0.43	-0.22
599751	B	5285	FT	.58	.17	.58	.11	.13	.01	.00	0.41	-0.18	0.41	-0.17	-0.17
599752	C	5252	FT	.79	.05	.13	.79	.02	.02	.00	0.48	-0.22	-0.30	0.48	-0.15
599753	B	2594	FT	.89	.06	.89	.02	.03	.00	.00	0.23	-0.14	0.23	-0.10	-0.11
599754	C	2642	FT	.21	.22	.37	.21	.21	.00	.00	0.42	-0.22	0.01	0.42	-0.20
599755	D	2609	FT	.08	.29	.02	.58	.08	.03	.00	0.31	-0.09	-0.09	0.05	0.31
599756	B	4338	FT	.90	.02	.90	.02	.05	.02	.00	0.38	-0.15	0.38	-0.13	-0.18
599757	C	2594	FT	.83	.02	.03	.83	.09	.03	.00	0.35	-0.14	-0.13	0.35	-0.13
599758	C	2642	FT	.60	.13	.12	.60	.13	.02	.00	0.46	-0.30	-0.14	0.46	-0.11
599759	D	2643	FT	.83	.05	.03	.09	.83	.00	.00	0.40	-0.20	-0.19	-0.24	0.40
599760	A	5252	FT	.45	.45	.10	.34	.10	.02	.00	0.40	0.40	-0.21	-0.10	-0.21
599761	C	4338	FT	.56	.17	.14	.56	.13	.01	.00	0.43	-0.14	-0.17	0.43	-0.26
599762	B	2594	FT	.63	.22	.63	.07	.07	.00	.00	0.41	-0.19	0.41	-0.24	-0.21
599763	B	4338	FT	.69	.06	.69	.15	.07	.02	.00	0.48	-0.14	0.48	-0.27	-0.19
599764	C	2642	FT	.58	.06	.06	.58	.30	.00	.00	0.40	-0.11	-0.15	0.40	-0.29
599765	C	2609	FT	.62	.19	.13	.62	.04	.03	.00	0.42	-0.12	-0.18	0.42	-0.23
599766	B	2594	FT	.76	.05	.76	.09	.08	.03	.00	0.52	-0.17	0.52	-0.28	-0.20
599767	C	5285	FT	.34	.11	.37	.34	.15	.03	.00	0.25	-0.05	0.13	0.25	-0.33
599768	A	2643	FT	.88	.88	.02	.08	.02	.00	.00	0.38	0.38	-0.13	-0.32	-0.10
599769	D	4338	FT	.77	.11	.05	.07	.77	.01	.00	0.46	-0.31	-0.17	-0.18	0.46
599770	B	4338	FT	.60	.14	.60	.11	.12	.02	.00	0.53	-0.23	0.53	-0.20	-0.22
599771	D	2609	FT	.38	.23	.30	.08	.38	.00	.00	0.36	-0.16	-0.10	-0.23	0.36

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
599772	C	2609	FT	.62	.26	.05	.62	.04	.03	.00	0.38	-0.17	-0.10	0.38	-0.18
599773	D	2594	FT	.63	.08	.21	.05	.63	.03	.00	0.44	-0.23	-0.17	-0.13	0.44
599774	A	2642	FT	.54	.54	.03	.32	.09	.02	.00	0.42	0.42	-0.13	-0.25	-0.10
599775	D	4338	FT	.68	.14	.08	.08	.68	.02	.00	0.40	-0.15	-0.19	-0.14	0.40
599776	C	2643	FT	.60	.08	.25	.60	.07	.00	.00	0.37	-0.13	-0.25	0.37	-0.14
599777	D	2609	FT	.43	.08	.43	.05	.43	.00	.00	0.33	-0.12	-0.20	-0.14	0.33
599778	D	2609	FT	.61	.10	.17	.10	.61	.03	.00	0.50	-0.22	-0.18	-0.20	0.50
599779	B	2594	FT	.65	.09	.65	.09	.14	.03	.00	0.53	-0.21	0.53	-0.18	-0.25
599780	A	4338	FT	.61	.61	.08	.10	.19	.02	.00	0.49	0.49	-0.11	-0.25	-0.23
599781	C	4338	FT	.55	.06	.13	.55	.24	.02	.00	0.43	-0.22	-0.19	0.43	-0.14
599782	D	2642	FT	.39	.08	.07	.44	.39	.03	.00	0.27	-0.23	-0.20	0.05	0.27
599783	B	2643	FT	.58	.10	.58	.10	.21	.00	.00	0.41	-0.14	0.41	-0.13	-0.29
599784	C	5252	FT	.31	.46	.15	.31	.06	.02	.00	0.20	-0.02	-0.04	0.20	-0.17
599785	A	2594	FT	.81	.81	.07	.05	.06	.00	.00	0.41	0.41	-0.22	-0.19	-0.23
599786	C	2642	FT	.59	.10	.17	.59	.14	.00	.00	0.43	-0.24	-0.09	0.43	-0.31
599787	A	2642	FT	.57	.57	.27	.14	.01	.00	.00	0.18	0.18	-0.23	0.10	-0.13
599788	C	2609	FT	.37	.06	.53	.37	.02	.03	.00	0.38	-0.19	-0.14	0.38	-0.15
599789	D	2594	FT	.29	.16	.32	.20	.29	.03	.00	0.36	-0.18	-0.17	0.09	0.36
599790	A	2642	FT	.49	.49	.12	.10	.26	.03	.00	0.47	0.47	-0.18	-0.19	-0.16
599791	C	2642	FT	.60	.25	.10	.60	.03	.02	.00	0.51	-0.30	-0.17	0.51	-0.17
599792	C	2643	FT	.31	.29	.15	.31	.25	.00	.00	0.18	0.00	-0.14	0.18	-0.06
599793	B	2643	FT	.76	.19	.76	.04	.01	.00	.00	0.35	-0.21	0.35	-0.24	-0.13
599794	A	5252	FT	.91	.91	.02	.05	.01	.02	.00	0.26	0.26	-0.12	-0.11	-0.08
599795	A	2594	FT	.86	.86	.02	.04	.08	.00	.00	0.40	0.40	-0.14	-0.17	-0.30
599796	D	2642	FT	.94	.02	.02	.02	.94	.00	.00	0.29	-0.15	-0.18	-0.16	0.29
599797	D	4338	FT	.72	.18	.03	.05	.72	.01	.00	0.43	-0.28	-0.15	-0.17	0.43
599798	C	2609	FT	.88	.02	.03	.88	.05	.03	.00	0.43	-0.16	-0.19	0.43	-0.18
599799	B	4338	FT	.88	.04	.88	.03	.03	.02	.00	0.40	-0.18	0.40	-0.14	-0.18
599800	B	2643	FT	.66	.21	.66	.11	.02	.00	.00	0.49	-0.28	0.49	-0.28	-0.18
599801	A	2609	FT	.79	.79	.08	.06	.07	.00	.00	0.46	0.46	-0.19	-0.24	-0.29
599802	A	5237	FT	.52	.52	.10	.25	.11	.02	.00	0.43	0.43	-0.19	-0.13	-0.23
599803	A	2642	FT	.53	.53	.04	.02	.40	.00	.00	0.18	0.18	-0.26	-0.16	-0.01
599804	C	2609	FT	.77	.10	.06	.77	.04	.03	.00	0.51	-0.27	-0.24	0.51	-0.13
599805	B	4338	FT	.63	.10	.63	.12	.15	.01	.00	0.40	-0.11	0.40	-0.25	-0.18
599806	D	2642	FT	.31	.20	.31	.17	.31	.02	.00	0.46	-0.23	-0.05	-0.14	0.46
599807	C	2643	FT	.75	.09	.09	.75	.08	.00	.00	0.42	-0.20	-0.19	0.42	-0.25
599808	C	2594	FT	.85	.03	.03	.85	.06	.03	.00	0.45	-0.16	-0.19	0.45	-0.19
599809	C	2609	FT	.79	.10	.07	.79	.04	.00	.00	0.37	-0.20	-0.22	0.37	-0.17
599810	A	2594	FT	.88	.88	.04	.03	.05	.00	.00	0.38	0.38	-0.19	-0.21	-0.21
599811	C	5285	FT	.44	.26	.22	.44	.07	.02	.00	0.45	-0.18	-0.18	0.45	-0.17

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
599812	B	4338	FT	.84	.05	.84	.05	.05	.01	.00	0.40	-0.23	0.40	-0.22	-0.15
599813	D	5285	FT	.49	.12	.22	.16	.49	.02	.00	0.40	-0.21	-0.09	-0.19	0.40
599814	A	2609	FT	.64	.64	.21	.07	.05	.03	.00	0.49	0.49	-0.27	-0.15	-0.15
599815	C	2594	FT	.55	.21	.09	.55	.11	.03	.00	0.51	-0.27	-0.11	0.51	-0.19
599816	B	4338	FT	.70	.11	.70	.09	.08	.02	.00	0.40	-0.11	0.40	-0.15	-0.23
599817	A	2642	FT	.89	.89	.02	.04	.03	.03	.00	0.41	0.41	-0.15	-0.19	-0.17
599818	C	2643	FT	.37	.14	.27	.37	.22	.00	.00	0.36	-0.11	-0.17	0.36	-0.14
599819	D	5252	FT	.77	.08	.07	.07	.77	.01	.00	0.43	-0.21	-0.21	-0.19	0.43
599820	D	2609	FT	.79	.10	.05	.05	.79	.00	.00	0.42	-0.25	-0.21	-0.21	0.42
599821	C	2594	FT	.89	.02	.03	.89	.06	.00	.00	0.40	-0.17	-0.20	0.40	-0.27
599822	A	4338	FT	.88	.88	.04	.05	.02	.01	.00	0.36	0.36	-0.16	-0.20	-0.19
599823	C	4338	FT	.62	.31	.04	.62	.03	.00	.00	0.29	-0.14	-0.17	0.29	-0.18
599824	A	5285	FT	.77	.77	.03	.05	.13	.02	.00	0.50	0.50	-0.15	-0.19	-0.34
599825	A	2609	FT	.58	.58	.14	.11	.15	.03	.00	0.39	0.39	-0.19	-0.10	-0.13
599826	A	2609	FT	.71	.71	.16	.04	.07	.03	.00	0.38	0.38	-0.09	-0.23	-0.18
599827	C	2594	FT	.58	.08	.22	.58	.09	.03	.00	0.58	-0.19	-0.39	0.58	-0.08
599828	B	2642	FT	.62	.25	.62	.06	.05	.02	.00	0.46	-0.25	0.46	-0.16	-0.15
599829	B	4338	FT	.64	.21	.64	.08	.05	.02	.00	0.46	-0.20	0.46	-0.22	-0.17
599830	A	5237	FT	.72	.72	.03	.08	.16	.00	.00	0.37	0.37	-0.20	-0.29	-0.12
599831	B	5252	FT	.63	.18	.63	.08	.11	.01	.00	0.47	-0.16	0.47	-0.28	-0.23
599832	B	4338	FT	.77	.10	.77	.06	.06	.01	.00	0.44	-0.23	0.44	-0.21	-0.22
599833	C	5237	FT	.77	.07	.07	.77	.09	.00	.00	0.40	-0.21	-0.19	0.40	-0.23
599834	B	2642	FT	.63	.15	.63	.09	.13	.00	.00	0.40	-0.13	0.40	-0.23	-0.23
599835	D	2609	FT	.71	.14	.09	.03	.71	.03	.00	0.43	-0.17	-0.19	-0.16	0.43
599836	D	2609	FT	.42	.05	.05	.44	.42	.03	.00	0.21	-0.11	-0.14	0.01	0.21
599837	D	2594	FT	.39	.23	.10	.25	.39	.03	.00	0.44	-0.22	-0.10	-0.09	0.44
599838	B	4338	FT	.39	.35	.39	.10	.15	.02	.00	0.43	-0.23	0.43	-0.12	-0.06
599839	A	2594	FT	.59	.59	.15	.02	.21	.03	.00	0.38	0.38	-0.25	-0.13	-0.07
599840	B	2642	FT	.89	.06	.89	.02	.01	.03	.00	0.44	-0.29	0.44	-0.14	-0.09
599841	D	5285	FT	.62	.08	.29	.01	.62	.00	.00	0.48	-0.14	-0.41	-0.09	0.48
599842	A	4338	FT	.69	.69	.16	.03	.10	.02	.00	0.34	0.34	-0.26	-0.13	0.02
599843	B	2609	FT	.83	.03	.83	.10	.04	.00	.00	0.37	-0.20	0.37	-0.20	-0.23
599844	D	4338	FT	.61	.28	.05	.06	.61	.01	.00	0.39	-0.25	-0.12	-0.16	0.39
599845	D	2594	FT	.57	.08	.06	.26	.57	.03	.00	0.49	-0.15	-0.22	-0.22	0.49
599846	C	4338	FT	.52	.05	.17	.52	.24	.02	.00	0.47	-0.22	-0.22	0.47	-0.14
599847	C	2642	FT	.51	.25	.13	.51	.08	.02	.00	0.41	-0.23	-0.02	0.41	-0.21
599848	B	5285	FT	.70	.19	.70	.06	.03	.01	.00	0.39	-0.19	0.39	-0.19	-0.20
599849	C	2643	FT	.82	.06	.08	.82	.03	.00	.00	0.39	-0.20	-0.24	0.39	-0.18
599850	D	2609	FT	.76	.05	.06	.13	.76	.00	.00	0.43	-0.27	-0.25	-0.19	0.43
599851	B	5237	FT	.74	.12	.74	.08	.05	.02	.00	0.52	-0.29	0.52	-0.22	-0.22

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
599853	D	2642	FT	.36	.31	.14	.19	.36	.00	.00	0.28	-0.11	-0.18	-0.05	0.28
599854	C	2609	FT	.71	.07	.07	.71	.12	.03	.00	0.52	-0.28	-0.22	0.52	-0.17
599855	B	2594	FT	.61	.29	.61	.04	.04	.03	.00	0.55	-0.31	0.55	-0.20	-0.20
599856	C	2642	FT	.67	.06	.18	.67	.06	.02	.00	0.50	-0.22	-0.27	0.50	-0.15
599876	B	2594	FT	.66	.20	.66	.12	.02	.00	.00	0.35	-0.23	0.35	-0.18	-0.08
599877	C	5285	FT	.85	.03	.08	.85	.02	.02	.00	0.30	-0.15	-0.15	0.30	-0.11
599878	D	4338	FT	.81	.11	.03	.05	.81	.01	.00	0.34	-0.21	-0.08	-0.18	0.34
599879	D	4338	FT	.77	.07	.02	.13	.77	.01	.00	0.42	-0.18	-0.17	-0.28	0.42
599880	B	2609	FT	.80	.02	.80	.04	.11	.03	.00	0.41	-0.16	0.41	-0.16	-0.19
599881	D	4338	FT	.78	.07	.07	.07	.78	.01	.00	0.34	-0.19	-0.17	-0.14	0.34
599882	B	2594	FT	.80	.15	.80	.01	.01	.03	.00	0.38	-0.20	0.38	-0.14	-0.14
599883	C	2642	FT	.62	.08	.16	.62	.11	.02	.00	0.51	-0.20	-0.23	0.51	-0.19
599884	D	2643	FT	.75	.06	.02	.17	.75	.00	.00	0.29	-0.16	-0.18	-0.16	0.29
599885	C	4338	FT	.82	.03	.02	.82	.12	.02	.00	0.41	-0.19	-0.14	0.41	-0.21
599886	D	2609	FT	.80	.01	.18	.01	.80	.00	.00	0.34	-0.12	-0.30	-0.11	0.34
599887	B	2594	FT	.28	.52	.28	.11	.09	.00	.00	0.13	0.13	0.13	-0.19	-0.20
599888	B	4338	FT	.54	.40	.54	.02	.03	.01	.00	0.49	-0.39	0.49	-0.10	-0.13
599889	C	4338	FT	.35	.14	.19	.35	.29	.02	.00	0.33	-0.16	0.05	0.33	-0.18
599890	A	5285	FT	.57	.57	.13	.22	.06	.02	.00	0.30	0.30	-0.18	-0.13	-0.02
599891	B	2609	FT	.83	.01	.83	.04	.10	.03	.00	0.32	-0.13	0.32	-0.16	-0.08
599892	B	2594	FT	.92	.01	.92	.02	.03	.03	.00	0.36	-0.12	0.36	-0.14	-0.11
599893	D	2594	FT	.80	.01	.11	.05	.80	.03	.00	0.52	-0.14	-0.31	-0.20	0.52
599894	C	2642	FT	.76	.09	.09	.76	.05	.02	.00	0.48	-0.25	-0.19	0.48	-0.19
599895	C	2594	FT	.85	.05	.04	.85	.03	.03	.00	0.42	-0.13	-0.18	0.42	-0.21
599896	C	4338	FT	.72	.06	.14	.72	.06	.02	.00	0.44	-0.19	-0.20	0.44	-0.16
599897	B	2642	FT	.88	.03	.88	.02	.05	.02	.00	0.47	-0.20	0.47	-0.18	-0.25
599898	C	2643	FT	.89	.02	.07	.89	.02	.00	.00	0.33	-0.15	-0.18	0.33	-0.20
599899	A	2609	FT	.58	.58	.34	.04	.04	.00	.00	0.39	0.39	-0.27	-0.19	-0.12
599900	C	4338	FT	.90	.04	.05	.90	.01	.01	.00	0.39	-0.21	-0.22	0.39	-0.15
599901	D	4338	FT	.59	.10	.12	.16	.59	.02	.00	0.56	-0.25	-0.18	-0.27	0.56
599902	A	2594	FT	.68	.68	.16	.05	.10	.00	.00	0.42	0.42	-0.23	-0.18	-0.22
599903	D	4338	FT	.70	.09	.08	.13	.70	.01	.00	0.34	-0.10	-0.19	-0.19	0.34
599904	B	4338	FT	.78	.05	.78	.04	.10	.02	.00	0.43	-0.21	0.43	-0.17	-0.19
599906	A	2609	FT	.96	.96	.01	.02	.02	.00	.00	0.26	0.26	-0.15	-0.17	-0.14
599907	B	4338	FT	.53	.25	.53	.07	.15	.01	.00	0.52	-0.15	0.52	-0.13	-0.41
599908	B	5237	FT	.86	.09	.86	.01	.02	.02	.00	0.44	-0.31	0.44	-0.13	-0.14
599909	D	5285	FT	.78	.15	.03	.05	.78	.00	.00	0.48	-0.37	-0.17	-0.18	0.48
599910	A	2609	FT	.50	.50	.12	.21	.14	.03	.00	0.55	0.55	-0.16	-0.13	-0.34
599911	C	4338	FT	.75	.05	.04	.75	.13	.02	.00	0.41	-0.21	-0.16	0.41	-0.16
599912	D	2594	FT	.47	.31	.09	.10	.47	.04	.00	0.36	-0.12	-0.14	-0.11	0.36

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
600447	B	2594	FT	.84	.05	.84	.04	.07	.00	.00	0.39	-0.20	0.39	-0.20	-0.22
600448	A	2642	FT	.40	.40	.16	.26	.18	.00	.00	0.41	0.41	-0.27	-0.11	-0.13
600449	A	4338	FT	.88	.88	.02	.05	.05	.01	.00	0.39	0.39	-0.19	-0.20	-0.21
600450	C	4338	FT	.85	.08	.03	.85	.02	.02	.00	0.42	-0.23	-0.16	0.42	-0.15
600451	A	2609	FT	.60	.60	.09	.21	.07	.03	.00	0.42	0.42	-0.23	-0.10	-0.19
600452	C	2594	FT	.77	.02	.04	.77	.14	.03	.00	0.53	-0.14	-0.17	0.53	-0.34
600453	B	2642	FT	.75	.15	.75	.03	.05	.03	.00	0.33	-0.12	0.33	-0.14	-0.15
600454	C	2643	FT	.47	.30	.19	.47	.04	.00	.00	0.30	-0.13	-0.13	0.30	-0.17
600455	B	4338	FT	.83	.07	.83	.04	.03	.02	.00	0.28	-0.05	0.28	-0.12	-0.14
600456	A	5252	FT	.76	.76	.06	.10	.07	.02	.00	0.39	0.39	-0.19	-0.17	-0.18
600457	A	4338	FT	.80	.80	.07	.07	.06	.01	.00	0.35	0.35	-0.16	-0.18	-0.16
600458	C	2594	FT	.73	.12	.09	.73	.05	.00	.00	0.20	0.02	-0.15	0.20	-0.20
600459	B	2642	FT	.86	.05	.86	.04	.03	.02	.00	0.47	-0.23	0.47	-0.17	-0.23
600460	D	5252	FT	.59	.08	.05	.27	.59	.00	.00	0.35	-0.21	-0.11	-0.19	0.35
600461	B	2609	FT	.90	.03	.90	.04	.03	.00	.00	0.35	-0.23	0.35	-0.22	-0.13
600462	D	5237	FT	.66	.10	.08	.14	.66	.02	.00	0.43	-0.15	-0.18	-0.24	0.43
600463	A	2642	FT	.81	.81	.06	.05	.08	.00	.00	0.42	0.42	-0.20	-0.19	-0.26
600464	B	4338	FT	.55	.30	.55	.05	.09	.01	.00	0.48	-0.22	0.48	-0.18	-0.30
600465	D	4338	FT	.73	.08	.05	.12	.73	.02	.00	0.41	-0.14	-0.18	-0.19	0.41
600466	A	2609	FT	.85	.85	.01	.00	.10	.03	.00	0.49	0.49	-0.11	-0.11	-0.34
600467	D	2594	FT	.80	.04	.05	.09	.80	.03	.00	0.50	-0.22	-0.20	-0.23	0.50
600468	B	2642	FT	.55	.16	.55	.16	.09	.02	.00	0.46	-0.20	0.46	-0.21	-0.12
600469	A	4338	FT	.89	.89	.03	.03	.02	.02	.00	0.43	0.43	-0.16	-0.20	-0.19
600470	D	2642	FT	.58	.02	.07	.32	.58	.00	.00	0.33	-0.16	-0.22	-0.17	0.33
600471	C	2609	FT	.76	.02	.17	.76	.03	.03	.00	0.39	-0.17	-0.21	0.39	-0.11
600472	B	2594	FT	.41	.03	.41	.03	.51	.03	.00	0.33	-0.08	0.33	-0.08	-0.16
600474	D	2642	FT	.90	.04	.02	.02	.90	.02	.00	0.40	-0.23	-0.15	-0.10	0.40
600475	A	2643	FT	.73	.73	.19	.05	.03	.00	.00	0.22	0.22	-0.09	-0.15	-0.17
600476	B	2609	FT	.77	.15	.77	.05	.03	.00	.00	0.22	-0.14	0.22	-0.09	-0.13
600477	A	5237	FT	.90	.90	.02	.03	.03	.02	.00	0.38	0.38	-0.17	-0.15	-0.21
600478	B	2642	FT	.48	.27	.48	.18	.07	.00	.00	0.32	-0.19	0.32	-0.09	-0.14
600816	C	4338	FT	.67	.06	.03	.67	.21	.02	.00	0.54	-0.21	-0.16	0.54	-0.33
600817	A	2609	FT	.78	.78	.04	.15	.03	.00	.00	0.36	0.36	-0.19	-0.22	-0.21
600818	A	5237	FT	.74	.74	.09	.11	.04	.02	.00	0.37	0.37	-0.21	-0.15	-0.14
603141	A	2609	FT	.83	.83	.12	.03	.02	.00	.00	0.38	0.38	-0.35	-0.06	-0.12
603142	B	5237	FT	.80	.04	.80	.02	.13	.02	.00	0.39	-0.18	0.39	-0.15	-0.23
603143	C	2594	FT	.77	.10	.10	.77	.02	.00	.00	0.41	-0.22	-0.26	0.41	-0.14
603144	D	5285	FT	.70	.20	.05	.03	.70	.02	.00	0.35	-0.21	-0.17	-0.08	0.35
603145	C	2609	FT	.68	.15	.10	.68	.04	.03	.00	0.48	-0.25	-0.16	0.48	-0.16
603146	D	4338	FT	.96	.01	.01	.02	.96	.01	.00	0.27	-0.13	-0.08	-0.14	0.27

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
603147	B	2594	FT	.40	.05	.40	.05	.46	.03	.00	0.54	-0.06	0.54	-0.15	-0.34
603148	A	2642	FT	.65	.65	.13	.12	.10	.00	.00	0.14	0.14	-0.12	-0.06	-0.02
603149	C	2609	FT	.44	.10	.11	.44	.31	.03	.00	0.36	-0.07	-0.09	0.36	-0.17
603150	D	2594	FT	.36	.04	.21	.37	.36	.03	.00	0.38	-0.07	0.11	-0.33	0.38
603151	A	2642	FT	.64	.64	.30	.02	.02	.02	.00	0.46	0.46	-0.30	-0.16	-0.14
603152	C	2643	FT	.61	.05	.12	.61	.22	.00	.00	0.43	-0.17	-0.21	0.43	-0.24
603153	D	2609	FT	.75	.17	.03	.05	.75	.00	.00	0.34	-0.22	-0.18	-0.15	0.34
603154	D	2594	FT	.31	.29	.28	.12	.31	.00	.00	0.39	0.05	-0.26	-0.26	0.39
603156	B	5285	FT	.67	.15	.67	.07	.10	.02	.00	0.48	-0.22	0.48	-0.24	-0.20
603157	D	2609	FT	.80	.04	.11	.03	.80	.03	.00	0.53	-0.23	-0.31	-0.12	0.53

Grade 4

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
598842	C	3244	FT	.26	.22	.42	.26	.10	.00	.00	0.11	-0.03	0.04	0.11	-0.19
598843	A	4923	FT	.41	.41	.33	.09	.16	.01	.00	0.31	0.31	-0.06	-0.09	-0.24
599857	B	3224	FT	.78	.05	.78	.04	.12	.00	.00	0.51	-0.20	0.51	-0.24	-0.34
599858	D	3244	FT	.67	.09	.11	.11	.67	.02	.00	0.52	-0.30	-0.14	-0.23	0.52
599860	C	3244	FT	.82	.02	.10	.82	.04	.02	.00	0.49	-0.19	-0.31	0.49	-0.14
599862	C	3224	FT	.78	.05	.11	.78	.05	.00	.00	0.47	-0.21	-0.33	0.47	-0.18
599865	B	3224	FT	.90	.03	.90	.02	.02	.02	.00	0.43	-0.23	0.43	-0.19	-0.12
599868	C	3224	FT	.78	.13	.05	.78	.03	.00	.00	0.49	-0.37	-0.24	0.49	-0.11
599872	D	3231	FT	.88	.03	.01	.05	.88	.03	.00	0.35	-0.13	-0.17	-0.11	0.35
599873	D	3231	FT	.87	.06	.02	.04	.87	.00	.00	0.31	-0.08	-0.20	-0.26	0.31
599875	A	3224	FT	.70	.70	.08	.16	.05	.00	.00	0.56	0.56	-0.16	-0.41	-0.25
603916	D	3244	FT	.53	.10	.24	.11	.53	.02	.00	0.44	-0.14	-0.22	-0.13	0.44
603918	D	3231	FT	.55	.17	.15	.09	.55	.03	.00	0.51	-0.21	-0.24	-0.14	0.51
603919	C	4923	FT	.37	.11	.32	.37	.17	.03	.00	0.36	-0.17	-0.21	0.36	0.06
603920	A	3224	FT	.48	.48	.08	.04	.37	.02	.00	0.51	0.51	-0.20	-0.20	-0.24
603921	C	3244	FT	.89	.03	.00	.89	.06	.02	.00	0.40	-0.19	-0.10	0.40	-0.20
603922	A	3231	FT	.90	.90	.03	.04	.04	.00	.00	0.38	0.38	-0.16	-0.22	-0.23
603923	B	4923	FT	.84	.06	.84	.04	.04	.02	.00	0.42	-0.10	0.42	-0.22	-0.24
603924	C	4923	FT	.69	.10	.12	.69	.08	.01	.00	0.43	-0.24	-0.15	0.43	-0.23
603925	A	3231	FT	.83	.83	.09	.03	.02	.03	.00	0.41	0.41	-0.16	-0.16	-0.20
603926	D	3231	FT	.81	.02	.05	.09	.81	.03	.00	0.48	-0.16	-0.22	-0.24	0.48
603927	D	4923	FT	.65	.18	.09	.05	.65	.02	.00	0.53	-0.28	-0.23	-0.16	0.53
603928	A	3224	FT	.72	.72	.10	.10	.08	.00	.00	0.46	0.46	-0.20	-0.25	-0.25
603929	D	3224	FT	.44	.42	.06	.05	.44	.03	.00	0.51	-0.26	-0.16	-0.18	0.51
603930	C	3244	FT	.92	.02	.02	.92	.01	.02	.00	0.37	-0.11	-0.14	0.37	-0.17
603931	B	3244	FT	.83	.06	.83	.06	.05	.00	.00	0.38	-0.21	0.38	-0.17	-0.23
603932	A	3244	FT	.98	.98	.00	.01	.01	.00	.00	0.19	0.19	-0.06	-0.12	-0.11
603933	D	3231	FT	.82	.02	.05	.08	.82	.03	.00	0.47	-0.17	-0.20	-0.23	0.47
603934	C	3231	FT	.48	.16	.30	.48	.05	.00	.00	0.39	-0.18	-0.25	0.39	-0.04
603935	C	3224	FT	.90	.02	.01	.90	.04	.02	.00	0.37	-0.14	-0.11	0.37	-0.18
603936	A	4923	FT	.69	.69	.20	.05	.05	.01	.00	0.32	0.32	-0.16	-0.23	-0.10
603937	A	3231	FT	.43	.43	.10	.14	.32	.00	.00	0.32	0.32	-0.27	-0.24	0.03
603938	B	4923	FT	.77	.09	.77	.10	.03	.01	.00	0.36	-0.18	0.36	-0.20	-0.15
603939	D	3244	FT	.81	.11	.03	.03	.81	.02	.00	0.45	-0.24	-0.19	-0.18	0.45
603940	C	3244	FT	.75	.08	.09	.75	.05	.02	.00	0.44	-0.19	-0.18	0.44	-0.20
603941	A	3244	FT	.61	.61	.17	.14	.09	.00	.00	0.41	0.41	-0.19	-0.24	-0.17
603942	B	3231	FT	.79	.07	.79	.06	.04	.03	.00	0.46	-0.20	0.46	-0.21	-0.17
603943	C	4923	FT	.31	.33	.04	.31	.32	.01	.00	0.40	-0.07	-0.14	0.40	-0.24

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
603944	B	3224	FT	.83	.04	.83	.01	.09	.02	.00	0.13	-0.19	0.13	-0.10	0.15
603945	C	3244	FT	.81	.00	.02	.81	.14	.02	.00	0.19	-0.08	-0.15	0.19	0.00
603946	D	3244	FT	.25	.18	.50	.07	.25	.00	.00	0.22	-0.29	0.13	-0.19	0.22
603947	D	3231	FT	.42	.03	.31	.21	.42	.03	.00	0.33	-0.07	-0.10	-0.14	0.33
603948	A	4923	FT	.96	.96	.01	.01	.00	.01	.00	0.25	0.25	-0.12	-0.12	-0.09
603949	B	3244	FT	.33	.59	.33	.05	.02	.00	.00	0.35	-0.22	0.35	-0.14	-0.15
603950	C	3231	FT	.92	.03	.02	.92	.01	.03	.00	0.32	-0.14	-0.05	0.32	-0.09
603951	B	4923	FT	.54	.37	.54	.02	.04	.02	.00	0.15	0.04	0.15	-0.11	-0.17
603952	A	3231	FT	.47	.47	.01	.51	.01	.00	.00	0.45	0.45	-0.11	-0.40	-0.09
603953	C	3224	FT	.64	.32	.01	.64	.01	.02	.00	0.25	-0.12	-0.12	0.25	-0.10
603954	C	3244	FT	.46	.35	.16	.46	.01	.03	.00	0.47	-0.36	-0.05	0.47	-0.03
603955	C	4923	FT	.54	.24	.12	.54	.09	.01	.00	0.38	-0.15	-0.21	0.38	-0.14
603957	D	3244	FT	.88	.06	.02	.02	.88	.02	.00	0.32	-0.14	-0.09	-0.12	0.32
603958	B	3231	FT	.38	.32	.38	.22	.08	.00	.00	0.34	-0.08	0.34	-0.19	-0.17
603959	B	4923	FT	.75	.04	.75	.04	.15	.02	.00	0.43	-0.15	0.43	-0.11	-0.26
603960	D	3244	FT	.68	.08	.07	.15	.68	.02	.00	0.45	-0.17	-0.17	-0.22	0.45
603961	C	3244	FT	.78	.09	.09	.78	.03	.00	.00	0.33	-0.17	-0.21	0.33	-0.13
603962	A	3244	FT	.65	.65	.25	.07	.02	.00	.00	0.32	0.32	-0.22	-0.15	-0.10
603963	B	3231	FT	.51	.21	.51	.10	.15	.03	.00	0.45	-0.21	0.45	-0.18	-0.10
603964	D	3231	FT	.42	.20	.19	.17	.42	.03	.00	0.34	-0.10	-0.10	-0.10	0.34
603965	A	4923	FT	.73	.73	.07	.10	.07	.02	.00	0.43	0.43	-0.18	-0.18	-0.19
603966	A	3224	FT	.50	.50	.15	.24	.11	.00	.00	0.32	0.32	-0.13	-0.15	-0.14
603967	B	3244	FT	.80	.05	.80	.09	.05	.00	.00	0.36	-0.22	0.36	-0.18	-0.18
603968	C	3244	FT	.47	.27	.11	.47	.12	.02	.00	0.40	-0.23	-0.08	0.40	-0.08
603969	A	4923	FT	.61	.61	.25	.06	.04	.02	.00	0.41	0.41	-0.17	-0.21	-0.15
603970	B	3244	FT	.40	.49	.40	.07	.02	.02	.00	0.21	0.00	0.21	-0.18	-0.07
603971	A	3224	FT	.63	.63	.03	.29	.03	.02	.00	0.26	0.26	-0.14	-0.07	-0.16
603972	B	3244	FT	.91	.01	.91	.01	.07	.00	.00	0.24	-0.12	0.24	-0.13	-0.16
603973	B	3224	FT	.44	.43	.44	.06	.06	.00	.00	0.29	-0.14	0.29	-0.21	-0.09
603974	B	3231	FT	.43	.18	.43	.27	.10	.03	.00	0.43	-0.11	0.43	-0.15	-0.19
603975	A	4923	FT	.75	.75	.15	.03	.06	.01	.00	0.37	0.37	-0.20	-0.17	-0.18
603976	D	3224	FT	.85	.03	.08	.03	.85	.00	.00	0.27	-0.07	-0.24	-0.09	0.27
603977	B	3231	FT	.50	.22	.50	.17	.10	.00	.00	0.39	-0.16	0.39	-0.18	-0.19
603978	B	3224	FT	.54	.31	.54	.09	.04	.02	.00	0.48	-0.30	0.48	-0.10	-0.18
603979	B	4923	FT	.43	.10	.43	.34	.12	.02	.00	0.46	-0.11	0.46	-0.21	-0.16
603981	D	3224	FT	.39	.17	.20	.24	.39	.00	.00	0.46	-0.09	-0.38	-0.09	0.46
603982	B	3244	FT	.57	.20	.57	.11	.10	.02	.00	0.47	-0.15	0.47	-0.21	-0.22
603984	D	3244	FT	.83	.10	.03	.04	.83	.00	.00	0.38	-0.23	-0.20	-0.20	0.38
603985	D	4923	FT	.36	.33	.15	.16	.36	.01	.00	0.32	-0.12	-0.09	-0.14	0.32
603986	D	4923	FT	.52	.09	.13	.24	.52	.02	.00	0.32	-0.14	-0.05	-0.15	0.32

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
603987	D	3231	FT	.39	.08	.33	.16	.39	.03	.00	0.38	-0.20	-0.08	-0.11	0.38
603988	C	3231	FT	.46	.20	.13	.46	.18	.03	.00	0.23	-0.16	0.03	0.23	-0.03
603989	A	4923	FT	.69	.69	.09	.12	.08	.02	.00	0.43	0.43	-0.20	-0.19	-0.13
603990	C	3244	FT	.72	.06	.06	.72	.15	.00	.00	0.44	-0.18	-0.19	0.44	-0.30
603991	B	3224	FT	.67	.03	.67	.17	.12	.00	.00	0.34	-0.15	0.34	-0.10	-0.28
603992	D	4923	FT	.38	.16	.20	.26	.38	.01	.00	0.40	-0.18	-0.05	-0.21	0.40
603998	B	4923	FT	.57	.18	.57	.12	.12	.01	.00	0.35	-0.07	0.35	-0.21	-0.21
603999	C	3224	FT	.51	.27	.19	.51	.02	.00	.00	0.44	-0.26	-0.23	0.44	-0.06
604000	A	4923	FT	.71	.71	.08	.12	.06	.02	.00	0.35	0.35	-0.20	-0.08	-0.16
604001	B	3224	FT	.23	.26	.23	.06	.43	.02	.00	0.45	0.02	0.45	-0.09	-0.28
604002	C	3224	FT	.70	.12	.03	.70	.15	.00	.00	0.34	-0.22	-0.17	0.34	-0.15
604003	A	4923	FT	.39	.39	.14	.38	.06	.02	.00	0.37	0.37	-0.11	-0.14	-0.14
604004	C	3231	FT	.65	.14	.08	.65	.10	.03	.00	0.41	-0.14	-0.19	0.41	-0.15
604005	C	3231	FT	.59	.15	.13	.59	.12	.00	.00	0.25	-0.13	-0.11	0.25	-0.12
604006	A	4923	FT	.78	.78	.01	.02	.18	.01	.00	0.21	0.21	-0.17	-0.15	-0.09
604007	C	3231	FT	.12	.19	.05	.12	.62	.03	.00	0.28	-0.08	0.03	0.28	-0.03
604008	B	3224	FT	.82	.06	.82	.08	.02	.02	.00	0.41	-0.17	0.41	-0.20	-0.14
604009	B	3224	FT	.72	.12	.72	.12	.03	.00	.00	0.38	-0.22	0.38	-0.23	-0.09
604010	A	4923	FT	.35	.35	.15	.14	.33	.02	.00	0.59	0.59	-0.12	-0.05	-0.39
604011	B	3244	FT	.32	.41	.32	.05	.23	.00	.00	0.49	-0.25	0.49	-0.02	-0.24
604012	C	3244	FT	.83	.02	.11	.83	.01	.02	.00	0.41	-0.15	-0.26	0.41	-0.09
604013	B	3224	FT	.86	.05	.86	.03	.03	.02	.00	0.35	-0.10	0.35	-0.15	-0.16
604014	D	3244	FT	.40	.10	.40	.10	.40	.00	.00	0.41	-0.17	-0.17	-0.20	0.41
604015	B	3231	FT	.62	.12	.62	.10	.13	.03	.00	0.44	-0.20	0.44	-0.20	-0.11
604016	A	3231	FT	.18	.18	.11	.55	.16	.00	.00	0.46	0.46	-0.04	-0.25	-0.10
604017	A	4923	FT	.42	.42	.22	.15	.21	.01	.00	0.58	0.58	-0.28	-0.17	-0.24
604018	B	4923	FT	.77	.05	.77	.15	.02	.01	.00	0.41	-0.16	0.41	-0.28	-0.14
604019	C	4923	FT	.84	.03	.07	.84	.03	.02	.00	0.44	-0.15	-0.25	0.44	-0.17
604020	A	3244	FT	.65	.65	.07	.10	.15	.02	.00	0.43	0.43	-0.18	-0.17	-0.17
604021	B	3224	FT	.81	.04	.81	.06	.07	.02	.00	0.52	-0.13	0.52	-0.25	-0.31
604022	C	3224	FT	.60	.11	.08	.60	.20	.00	.00	0.46	-0.19	-0.24	0.46	-0.23
604023	D	3244	FT	.35	.23	.17	.25	.35	.00	.00	0.38	-0.21	-0.02	-0.19	0.38
604024	D	4923	FT	.60	.12	.05	.22	.60	.01	.00	0.50	-0.33	-0.16	-0.21	0.50
604025	A	3244	FT	.77	.77	.07	.07	.06	.02	.00	0.40	0.40	-0.19	-0.22	-0.08
604026	C	3231	FT	.86	.02	.06	.86	.03	.03	.00	0.44	-0.13	-0.21	0.44	-0.19
604027	C	4923	FT	.37	.03	.54	.37	.04	.02	.00	0.38	-0.11	-0.19	0.38	-0.16
604028	B	3224	FT	.37	.08	.37	.33	.22	.00	.00	0.39	-0.13	0.39	-0.23	-0.10
604029	D	3244	FT	.56	.02	.27	.15	.56	.00	.00	0.32	-0.14	-0.22	-0.11	0.32
604030	D	3231	FT	.54	.25	.10	.09	.54	.03	.00	0.47	-0.31	-0.11	-0.07	0.47
604031	D	4923	FT	.63	.12	.13	.09	.63	.02	.00	0.49	-0.27	-0.21	-0.13	0.49

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
604032	D	3231	FT	.70	.06	.07	.17	.70	.00	.00	0.44	-0.22	-0.22	-0.24	0.44
604033	D	3231	FT	.61	.08	.19	.09	.61	.03	.00	0.50	-0.28	-0.21	-0.12	0.50
604034	C	3224	FT	.72	.10	.10	.72	.05	.02	.00	0.50	-0.26	-0.24	0.50	-0.14
604035	B	3224	FT	.84	.08	.84	.03	.04	.00	.00	0.39	-0.26	0.39	-0.18	-0.18
604036	C	4923	FT	.58	.01	.08	.58	.33	.01	.00	0.37	-0.09	-0.11	0.37	-0.28
604037	C	3224	FT	.85	.09	.04	.85	.02	.00	.00	0.39	-0.28	-0.20	0.39	-0.12
604038	C	3224	FT	.82	.11	.03	.82	.01	.02	.00	0.48	-0.30	-0.20	0.48	-0.11
604039	B	3224	FT	.46	.07	.46	.33	.13	.00	.00	0.44	-0.13	0.44	-0.19	-0.28
604040	D	3244	FT	.67	.06	.10	.16	.67	.00	.00	0.36	-0.16	-0.17	-0.21	0.36
604041	B	3244	FT	.67	.11	.67	.09	.11	.02	.00	0.46	-0.10	0.46	-0.22	-0.24
604042	C	3231	FT	.84	.09	.02	.84	.04	.00	.00	0.41	-0.27	-0.19	0.41	-0.19
604043	A	3244	FT	.88	.88	.02	.07	.02	.00	.00	0.33	0.33	-0.17	-0.21	-0.15
604044	D	3231	FT	.72	.06	.12	.08	.72	.03	.00	0.43	-0.24	-0.11	-0.21	0.43
604045	D	3224	FT	.42	.15	.19	.22	.42	.02	.00	0.50	-0.24	-0.19	-0.12	0.50
604046	A	4923	FT	.67	.67	.05	.08	.18	.02	.00	0.47	0.47	-0.21	-0.30	-0.13
604047	C	3231	FT	.77	.03	.13	.77	.03	.03	.00	0.53	-0.12	-0.35	0.53	-0.18
604048	C	4923	FT	.71	.07	.07	.71	.15	.01	.00	0.48	-0.18	-0.21	0.48	-0.30
604049	A	3231	FT	.81	.81	.09	.03	.07	.00	.00	0.40	0.40	-0.14	-0.19	-0.31
604050	D	3244	FT	.63	.14	.16	.07	.63	.00	.00	0.43	-0.15	-0.27	-0.20	0.43
604051	A	3224	FT	.76	.76	.06	.06	.09	.02	.00	0.50	0.50	-0.25	-0.30	-0.14
604054	C	3224	FT	.51	.10	.24	.51	.15	.00	.00	0.40	-0.21	-0.24	0.40	-0.09
604055	C	3224	FT	.53	.06	.24	.53	.14	.02	.00	0.44	-0.19	-0.26	0.44	-0.06
604056	D	3244	FT	.25	.55	.11	.09	.25	.00	.00	0.31	-0.15	-0.12	-0.06	0.31
604057	A	3224	FT	.63	.63	.10	.19	.08	.00	.00	0.46	0.46	-0.24	-0.25	-0.18
604058	B	4923	FT	.68	.11	.68	.07	.11	.02	.00	0.42	-0.19	0.42	-0.21	-0.12
604059	A	4923	FT	.32	.32	.27	.08	.32	.01	.00	0.33	0.33	-0.21	-0.12	-0.04
604060	A	3231	FT	.78	.78	.07	.06	.08	.00	.00	0.33	0.33	-0.19	-0.16	-0.17
604061	B	3224	FT	.69	.23	.69	.02	.04	.02	.00	0.53	-0.35	0.53	-0.16	-0.17
604062	C	3224	FT	.34	.27	.23	.34	.17	.00	.00	0.38	-0.13	-0.12	0.38	-0.18
604063	D	3224	FT	.70	.15	.07	.08	.70	.00	.00	0.47	-0.29	-0.19	-0.22	0.47
604064	A	4923	FT	.46	.46	.24	.18	.10	.02	.00	0.49	0.49	-0.22	-0.12	-0.21
604065	D	4923	FT	.14	.07	.72	.04	.14	.02	.00	0.34	-0.18	-0.03	-0.09	0.34
604066	C	3224	FT	.50	.42	.03	.50	.05	.00	.00	0.18	-0.07	-0.16	0.18	-0.14
604067	C	3231	FT	.59	.02	.25	.59	.13	.00	.00	0.21	-0.12	0.01	0.21	-0.25
604068	C	3231	FT	.54	.16	.14	.54	.16	.00	.00	0.23	-0.15	-0.04	0.23	-0.12
604069	C	3231	FT	.57	.17	.07	.57	.16	.03	.00	0.37	-0.14	-0.15	0.37	-0.12
604070	D	4923	FT	.70	.09	.01	.19	.70	.01	.00	0.35	-0.15	-0.10	-0.24	0.35
604071	D	3224	FT	.35	.21	.20	.23	.35	.00	.00	0.42	-0.07	-0.05	-0.36	0.42
604072	B	3224	FT	.81	.08	.81	.02	.08	.02	.00	0.35	-0.11	0.35	-0.15	-0.18
604073	C	3231	FT	.26	.37	.28	.26	.09	.00	.00	0.28	-0.03	-0.12	0.28	-0.18

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
604074	B	3224	FT	.65	.06	.65	.20	.06	.02	.00	0.40	-0.17	0.40	-0.18	-0.16
604075	D	4923	FT	.77	.11	.09	.02	.77	.01	.00	0.36	-0.21	-0.17	-0.14	0.36
604076	B	3224	FT	.64	.20	.64	.11	.04	.00	.00	0.33	-0.17	0.33	-0.16	-0.18
604077	B	3224	FT	.45	.24	.45	.19	.09	.02	.00	0.41	-0.23	0.41	-0.07	-0.12
604078	A	3231	FT	.74	.74	.04	.08	.14	.00	.00	0.38	0.38	-0.16	-0.17	-0.25
604079	D	4923	FT	.38	.37	.05	.20	.38	.01	.00	0.32	-0.10	-0.20	-0.13	0.32
604080	A	3231	FT	.59	.59	.26	.06	.07	.03	.00	0.35	0.35	-0.07	-0.19	-0.19
604081	A	4923	FT	.85	.85	.07	.05	.01	.03	.00	0.41	0.41	-0.19	-0.21	-0.11
604082	C	4923	FT	.83	.03	.09	.83	.04	.01	.00	0.34	-0.17	-0.18	0.34	-0.16
604083	A	3231	FT	.79	.79	.16	.03	.03	.00	.00	0.34	0.34	-0.27	-0.13	-0.11
604085	A	3231	FT	.72	.72	.12	.05	.11	.00	.00	0.29	0.29	-0.13	-0.20	-0.14
604086	B	3244	FT	.46	.09	.46	.31	.12	.02	.00	0.43	-0.16	0.43	-0.10	-0.24
604087	D	3244	FT	.47	.31	.14	.06	.47	.02	.00	0.48	-0.19	-0.16	-0.22	0.48
604088	B	3224	FT	.62	.08	.62	.15	.13	.02	.00	0.33	-0.09	0.33	-0.06	-0.22
604089	A	3231	FT	.74	.74	.07	.11	.08	.00	.00	0.36	0.36	-0.19	-0.23	-0.13
604090	C	4923	FT	.66	.03	.10	.66	.19	.02	.00	0.38	-0.18	-0.21	0.38	-0.11
604091	C	3224	FT	.68	.11	.11	.68	.08	.03	.00	0.40	-0.13	-0.18	0.40	-0.18
604092	C	3231	FT	.62	.12	.14	.62	.09	.03	.00	0.47	-0.18	-0.26	0.47	-0.10
604093	B	3231	FT	.41	.13	.41	.15	.31	.00	.00	0.47	-0.12	0.47	-0.10	-0.33
604094	C	3224	FT	.56	.06	.24	.56	.12	.03	.00	0.45	-0.26	-0.28	0.45	-0.01
604095	D	3224	FT	.58	.08	.18	.15	.58	.00	.00	0.42	-0.24	-0.20	-0.16	0.42
604096	A	3244	FT	.42	.42	.12	.29	.16	.00	.00	0.48	0.48	-0.12	-0.20	-0.28
604097	C	4923	FT	.59	.08	.12	.59	.19	.01	.00	0.32	-0.07	-0.10	0.32	-0.23
604098	B	4923	FT	.61	.07	.61	.12	.18	.02	.00	0.43	-0.13	0.43	-0.25	-0.14
604099	A	3244	FT	.48	.48	.19	.16	.16	.00	.00	0.38	0.38	-0.18	-0.13	-0.18
604100	A	3244	FT	.43	.43	.33	.14	.08	.02	.00	0.49	0.49	-0.12	-0.30	-0.14
604101	C	3244	FT	.49	.23	.24	.49	.02	.02	.00	0.45	-0.31	-0.09	0.45	-0.08
604102	D	4923	FT	.42	.21	.11	.26	.42	.01	.00	0.47	-0.29	-0.21	-0.09	0.47
604103	B	3244	FT	.55	.14	.55	.08	.23	.00	.00	0.37	-0.05	0.37	-0.22	-0.25
604104	C	3231	FT	.75	.13	.02	.75	.09	.00	.00	0.35	-0.20	-0.12	0.35	-0.22
604105	B	3231	FT	.72	.02	.72	.12	.12	.03	.00	0.37	-0.12	0.37	-0.14	-0.18
604106	A	3231	FT	.53	.53	.31	.02	.14	.00	.00	0.41	0.41	-0.22	-0.10	-0.24
604107	D	4923	FT	.92	.02	.02	.02	.92	.02	.00	0.38	-0.15	-0.16	-0.12	0.38
604108	A	3224	FT	.79	.79	.08	.04	.07	.02	.00	0.42	0.42	-0.20	-0.20	-0.16
604109	A	3244	FT	.69	.69	.02	.25	.01	.02	.00	0.32	0.32	-0.15	-0.17	-0.09
604110	A	3244	FT	.26	.26	.65	.06	.02	.00	.00	0.41	0.41	-0.31	-0.02	-0.14
604111	B	3244	FT	.71	.06	.71	.17	.03	.02	.00	0.29	-0.23	0.29	-0.02	-0.13
604112	B	3224	FT	.80	.02	.80	.12	.05	.00	.00	0.37	-0.10	0.37	-0.23	-0.24
604113	A	3244	FT	.37	.37	.15	.36	.12	.00	.00	0.41	0.41	-0.21	-0.18	-0.10
604114	A	4923	FT	.85	.85	.04	.03	.07	.01	.00	0.41	0.41	-0.21	-0.17	-0.24

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
604115	B	3224	FT	.87	.04	.87	.03	.04	.02	.00	0.36	-0.16	0.36	-0.15	-0.12
604116	D	3231	FT	.39	.47	.06	.07	.39	.00	.00	0.53	-0.39	-0.18	-0.08	0.53
604117	A	3231	FT	.84	.84	.06	.01	.06	.03	.00	0.42	0.42	-0.24	-0.12	-0.15
604118	B	3224	FT	.37	.24	.37	.06	.32	.01	.00	0.54	-0.31	0.54	-0.11	-0.20
604119	C	3224	FT	.26	.41	.11	.26	.20	.03	.00	0.44	-0.22	-0.16	0.44	0.01
604120	D	3224	FT	.42	.46	.03	.09	.42	.00	.00	0.36	-0.24	-0.16	-0.08	0.36
604121	A	4923	FT	.71	.71	.09	.15	.03	.02	.00	0.49	0.49	-0.18	-0.30	-0.14
604122	B	3244	FT	.33	.19	.33	.38	.08	.02	.00	0.58	-0.22	0.58	-0.21	-0.15
604123	C	3244	FT	.80	.06	.11	.80	.03	.00	.00	0.36	-0.11	-0.29	0.36	-0.14
604124	B	3231	FT	.36	.31	.36	.12	.18	.03	.00	0.29	0.04	0.29	-0.14	-0.17
604125	D	3224	FT	.68	.04	.16	.11	.68	.00	.00	0.39	-0.17	-0.21	-0.20	0.39
604126	D	4923	FT	.66	.25	.05	.01	.66	.02	.00	0.35	-0.16	-0.18	-0.14	0.35
604127	A	3244	FT	.78	.78	.05	.15	.01	.00	.00	0.27	0.27	-0.15	-0.18	-0.12
604128	D	3231	FT	.45	.16	.07	.32	.45	.00	.00	0.43	-0.36	-0.19	-0.07	0.43
604129	D	3231	FT	.41	.06	.07	.42	.41	.03	.00	0.32	-0.21	-0.22	0.00	0.32
604130	D	3231	FT	.35	.11	.32	.22	.35	.00	.00	0.35	-0.16	-0.02	-0.26	0.35
604131	B	4923	FT	.82	.06	.82	.04	.08	.01	.00	0.38	-0.20	0.38	-0.16	-0.21
604132	D	3224	FT	.78	.03	.06	.11	.78	.02	.00	0.40	-0.17	-0.19	-0.17	0.40
604133	C	3244	FT	.80	.04	.10	.80	.04	.02	.00	0.35	-0.16	-0.13	0.35	-0.14
604134	A	3231	FT	.50	.50	.25	.19	.06	.00	.00	0.37	0.37	-0.07	-0.28	-0.18
604135	D	4923	FT	.73	.03	.03	.20	.73	.01	.00	0.26	-0.15	-0.17	-0.11	0.26
604136	C	4923	FT	.67	.13	.15	.67	.04	.01	.00	0.45	-0.28	-0.21	0.45	-0.13
604137	C	3224	FT	.78	.06	.12	.78	.02	.02	.00	0.41	-0.22	-0.19	0.41	-0.11
604138	B	3244	FT	.83	.12	.83	.02	.01	.02	.00	0.42	-0.27	0.42	-0.12	-0.10
604139	C	3244	FT	.67	.10	.14	.67	.08	.00	.00	0.41	-0.29	-0.22	0.41	-0.09
604140	C	3244	FT	.69	.16	.09	.69	.04	.03	.00	0.45	-0.26	-0.17	0.45	-0.10
604141	C	4923	FT	.73	.08	.13	.73	.04	.02	.00	0.47	-0.28	-0.22	0.47	-0.10
604142	C	3244	FT	.93	.01	.02	.93	.05	.00	.00	0.23	-0.10	-0.12	0.23	-0.15
604143	D	4923	FT	.45	.03	.33	.16	.45	.02	.00	0.41	-0.17	-0.27	-0.02	0.41
604144	A	4923	FT	.81	.81	.03	.07	.08	.01	.00	0.45	0.45	-0.14	-0.28	-0.25
604145	B	3231	FT	.68	.04	.68	.17	.12	.00	.00	0.48	-0.18	0.48	-0.26	-0.29
604146	C	3231	FT	.80	.09	.04	.80	.05	.03	.00	0.47	-0.29	-0.21	0.47	-0.08
604147	A	3231	FT	.43	.43	.30	.14	.12	.00	.00	0.43	0.43	-0.08	-0.25	-0.27
604148	D	3244	FT	.55	.19	.07	.17	.55	.02	.00	0.53	-0.36	-0.17	-0.10	0.53
604149	D	3231	FT	.63	.05	.22	.07	.63	.03	.00	0.54	-0.15	-0.34	-0.16	0.54
604150	D	4923	FT	.66	.16	.04	.12	.66	.02	.00	0.41	-0.01	-0.20	-0.33	0.41
604151	C	3244	FT	.52	.17	.11	.52	.18	.02	.00	0.39	-0.30	-0.10	0.39	-0.03
604152	B	4923	FT	.65	.23	.65	.08	.04	.01	.00	0.50	-0.31	0.50	-0.24	-0.16
604153	A	3244	FT	.92	.92	.03	.03	.02	.00	.00	0.32	0.32	-0.18	-0.20	-0.14
604154	C	4923	FT	.77	.02	.09	.77	.10	.02	.00	0.37	-0.11	-0.16	0.37	-0.18

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
604155	D	3224	FT	.44	.27	.23	.04	.44	.02	.00	0.44	-0.27	-0.03	-0.20	0.44
604157	A	3231	FT	.49	.49	.22	.19	.09	.00	.00	0.32	0.32	-0.31	0.05	-0.18

Grade 5

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
598844	C	5075	FT	.65	.09	.08	.65	.17	.01	.00	0.32	-0.19	-0.10	0.32	-0.15
598845	C	5075	FT	.75	.09	.06	.75	.07	.03	.00	0.44	-0.22	-0.10	0.44	-0.21
603386	C	3115	FT	.68	.05	.22	.68	.03	.03	.00	0.44	-0.20	-0.22	0.44	-0.14
603387	C	3175	FT	.31	.53	.06	.31	.05	.05	.00	0.23	0.06	-0.17	0.23	-0.15
603388	B	3151	FT	.71	.19	.71	.05	.05	.00	.00	0.39	-0.22	0.39	-0.19	-0.20
603389	D	3115	FT	.23	.20	.09	.47	.23	.00	.00	0.16	-0.30	-0.16	0.21	0.16
603391	D	5075	FT	.30	.30	.07	.32	.30	.01	.00	0.30	-0.07	-0.22	-0.07	0.30
603392	C	5075	FT	.27	.52	.13	.27	.07	.03	.00	-0.02	0.17	-0.05	-0.02	-0.05
603393	C	3115	FT	.35	.27	.25	.35	.13	.00	.00	0.09	0.04	-0.08	0.09	-0.07
603394	B	3175	FT	.73	.07	.73	.10	.09	.01	.00	0.44	-0.19	0.44	-0.21	-0.26
603395	C	5075	FT	.42	.30	.14	.42	.11	.03	.00	0.25	-0.02	-0.19	0.25	-0.01
603396	C	5075	FT	.46	.06	.36	.46	.11	.01	.00	0.10	-0.09	0.10	0.10	-0.18
603397	A	3151	FT	.71	.71	.05	.08	.13	.03	.00	0.53	0.53	-0.20	-0.24	-0.25
603398	D	3115	FT	.80	.09	.06	.04	.80	.00	.00	0.45	-0.27	-0.18	-0.25	0.45
603399	D	5075	FT	.64	.10	.11	.12	.64	.03	.00	0.51	-0.18	-0.22	-0.23	0.51
603400	C	3175	FT	.74	.15	.06	.74	.05	.00	.00	0.43	-0.31	-0.20	0.43	-0.12
603401	D	3151	FT	.66	.04	.16	.11	.66	.03	.00	0.42	-0.13	-0.13	-0.25	0.42
603402	A	3115	FT	.83	.83	.03	.09	.02	.03	.00	0.54	0.54	-0.24	-0.30	-0.18
603403	A	3175	FT	.85	.85	.02	.05	.03	.05	.00	0.50	0.50	-0.17	-0.26	-0.17
603404	C	3151	FT	.66	.08	.04	.66	.22	.00	.00	0.36	-0.14	-0.19	0.36	-0.22
603405	C	3115	FT	.81	.02	.09	.81	.07	.00	.00	0.42	-0.08	-0.27	0.42	-0.27
603406	B	5075	FT	.33	.15	.33	.05	.47	.01	.00	0.10	-0.13	0.10	-0.17	0.10
603407	C	3175	FT	.56	.25	.11	.56	.08	.00	.00	0.33	-0.15	-0.10	0.33	-0.25
603409	B	5075	FT	.67	.09	.67	.12	.09	.03	.00	0.48	-0.14	0.48	-0.22	-0.22
603410	D	5075	FT	.89	.03	.02	.05	.89	.01	.00	0.32	-0.13	-0.15	-0.17	0.32
603412	B	5075	FT	.82	.07	.82	.04	.06	.01	.00	0.38	-0.19	0.38	-0.21	-0.17
603413	A	3115	FT	.30	.30	.19	.15	.33	.03	.00	0.34	0.34	-0.21	-0.19	0.09
603414	D	3175	FT	.66	.11	.13	.05	.66	.05	.00	0.52	-0.17	-0.25	-0.19	0.52
603415	A	3151	FT	.56	.56	.17	.07	.20	.00	.00	0.40	0.40	-0.20	-0.22	-0.17
603418	A	3175	FT	.57	.57	.09	.14	.15	.05	.00	0.49	0.49	-0.18	-0.20	-0.14
603419	B	3151	FT	.71	.10	.71	.06	.13	.00	.00	0.38	-0.25	0.38	-0.19	-0.14
603420	D	5075	FT	.79	.06	.06	.07	.79	.03	.00	0.48	-0.17	-0.20	-0.23	0.48
603421	B	5075	FT	.83	.03	.83	.08	.05	.01	.00	0.35	-0.16	0.35	-0.18	-0.17
603422	C	3151	FT	.79	.06	.05	.79	.09	.00	.00	0.43	-0.20	-0.16	0.43	-0.31
603424	D	5075	FT	.74	.11	.05	.07	.74	.03	.00	0.45	-0.21	-0.15	-0.19	0.45
603425	B	3115	FT	.62	.08	.62	.17	.13	.00	.00	0.20	-0.15	0.20	-0.13	-0.01
603426	A	3175	FT	.32	.32	.31	.30	.06	.00	.00	0.26	0.26	-0.13	-0.05	-0.15
603427	B	5075	FT	.54	.08	.54	.11	.27	.01	.00	0.26	-0.20	0.26	-0.20	0.00

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
603428	D	3151	FT	.62	.12	.08	.15	.62	.03	.00	0.52	-0.23	-0.21	-0.20	0.52
603429	D	3115	FT	.57	.11	.07	.22	.57	.03	.00	0.49	-0.23	-0.16	-0.19	0.49
603430	B	3115	FT	.50	.19	.50	.25	.06	.00	.00	0.31	-0.14	0.31	-0.11	-0.19
603432	B	3175	FT	.48	.37	.48	.10	.05	.01	.00	0.41	-0.26	0.41	-0.17	-0.10
603433	B	5075	FT	.77	.11	.77	.06	.04	.03	.00	0.39	-0.16	0.39	-0.16	-0.14
603434	B	3151	FT	.58	.12	.58	.18	.08	.03	.00	0.50	-0.18	0.50	-0.20	-0.22
603435	D	3115	FT	.76	.08	.07	.06	.76	.03	.00	0.47	-0.21	-0.18	-0.20	0.47
603436	C	5075	FT	.62	.08	.13	.62	.16	.01	.00	0.37	-0.17	-0.15	0.37	-0.19
603437	D	3175	FT	.79	.04	.04	.07	.79	.05	.00	0.49	-0.19	-0.18	-0.21	0.49
603438	B	3151	FT	.82	.02	.82	.06	.10	.00	.00	0.36	-0.13	0.36	-0.21	-0.23
603439	B	3115	FT	.53	.36	.53	.05	.06	.00	.00	0.30	-0.11	0.30	-0.19	-0.20
603440	A	3175	FT	.70	.70	.16	.09	.04	.00	.00	0.40	0.40	-0.19	-0.25	-0.18
603441	C	3151	FT	.78	.05	.12	.78	.04	.00	.00	0.31	-0.14	-0.21	0.31	-0.14
603442	D	3115	FT	.57	.21	.18	.03	.57	.00	.00	0.36	-0.21	-0.18	-0.10	0.36
603443	D	3175	FT	.36	.04	.11	.48	.36	.00	.00	0.36	-0.18	-0.16	-0.17	0.36
603444	A	3151	FT	.90	.90	.00	.04	.03	.03	.00	0.33	0.33	-0.06	-0.16	-0.11
603445	D	5075	FT	.29	.18	.19	.31	.29	.03	.00	0.41	-0.23	-0.11	-0.01	0.41
603446	A	3115	FT	.55	.55	.13	.18	.11	.03	.00	0.51	0.51	-0.21	-0.14	-0.26
603447	C	3175	FT	.45	.19	.15	.45	.16	.05	.00	0.34	-0.10	-0.13	0.34	-0.04
603448	D	3151	FT	.62	.13	.21	.04	.62	.00	.00	0.46	-0.33	-0.20	-0.14	0.46
603449	A	3175	FT	.68	.68	.07	.06	.19	.00	.00	0.42	0.42	-0.15	-0.14	-0.31
603450	B	3151	FT	.67	.04	.67	.02	.24	.03	.00	0.50	-0.12	0.50	-0.06	-0.36
603451	D	5075	FT	.29	.23	.29	.18	.29	.01	.00	0.45	-0.25	-0.13	-0.06	0.45
603452	A	5075	FT	.55	.55	.29	.06	.08	.03	.00	0.40	0.40	-0.13	-0.17	-0.20
603453	B	5075	FT	.53	.33	.53	.11	.02	.01	.00	0.27	-0.11	0.27	-0.16	-0.13
603454	C	3115	FT	.41	.48	.04	.41	.06	.00	.00	0.27	-0.09	-0.19	0.27	-0.17
603457	B	3115	FT	.85	.03	.85	.05	.04	.03	.00	0.43	-0.17	0.43	-0.19	-0.18
603458	A	5075	FT	.85	.85	.05	.05	.03	.03	.00	0.40	0.40	-0.18	-0.17	-0.11
603459	D	3175	FT	.47	.28	.15	.04	.47	.05	.00	0.46	-0.21	-0.06	-0.20	0.46
603460	D	3151	FT	.78	.02	.04	.16	.78	.00	.00	0.26	-0.17	-0.18	-0.13	0.26
603462	C	3115	FT	.72	.05	.16	.72	.07	.00	.00	0.40	-0.20	-0.21	0.40	-0.23
603463	B	3115	FT	.83	.05	.83	.04	.06	.03	.00	0.28	-0.09	0.28	-0.08	-0.09
603465	B	3175	FT	.66	.06	.66	.07	.21	.00	.00	0.40	-0.18	0.40	-0.17	-0.25
603466	C	5075	FT	.48	.31	.14	.48	.05	.03	.00	0.34	-0.13	-0.10	0.34	-0.12
603467	C	3151	FT	.63	.09	.01	.63	.27	.00	.00	0.49	-0.20	-0.07	0.49	-0.38
603468	C	3115	FT	.62	.10	.12	.62	.15	.00	.00	0.38	-0.25	-0.16	0.38	-0.15
603469	A	3175	FT	.43	.43	.48	.06	.03	.00	.00	0.11	0.11	0.04	-0.18	-0.14
603470	D	5075	FT	.56	.15	.11	.17	.56	.01	.00	0.37	-0.29	-0.16	-0.03	0.37
603471	C	3151	FT	.40	.36	.10	.40	.11	.03	.00	0.46	-0.14	-0.21	0.46	-0.16
603472	C	5075	FT	.76	.06	.09	.76	.06	.03	.00	0.32	-0.09	-0.13	0.32	-0.12

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
603473	D	3115	FT	.81	.08	.03	.06	.81	.03	.00	0.46	-0.18	-0.19	-0.22	0.46
603475	D	3175	FT	.42	.03	.46	.04	.42	.05	.00	0.53	-0.08	-0.32	-0.10	0.53
603476	D	3151	FT	.64	.13	.20	.02	.64	.00	.00	0.53	-0.20	-0.42	-0.12	0.53
603477	C	3115	FT	.76	.12	.05	.76	.06	.00	.00	0.52	-0.40	-0.15	0.52	-0.22
603478	B	3175	FT	.38	.32	.38	.15	.14	.00	.00	0.20	-0.05	0.20	-0.15	-0.03
603479	B	5075	FT	.46	.47	.46	.03	.03	.01	.00	0.60	-0.53	0.60	-0.04	-0.07
603480	D	5075	FT	.39	.24	.17	.18	.39	.03	.00	0.35	-0.07	-0.13	-0.12	0.35
603481	C	5075	FT	.54	.06	.28	.54	.12	.01	.00	0.48	-0.19	-0.27	0.48	-0.17
603482	A	5075	FT	.47	.47	.37	.08	.04	.03	.00	0.45	0.45	-0.27	-0.10	-0.07
603484	D	5075	FT	.60	.32	.04	.03	.60	.01	.00	0.29	-0.13	-0.20	-0.16	0.29
603486	C	3115	FT	.83	.02	.10	.83	.03	.03	.00	0.41	-0.16	-0.20	0.41	-0.15
603487	C	3151	FT	.60	.15	.13	.60	.08	.03	.00	0.44	-0.19	-0.19	0.44	-0.13
603488	A	3115	FT	.57	.57	.21	.14	.05	.03	.00	0.53	0.53	-0.20	-0.28	-0.16
603489	C	3175	FT	.54	.20	.14	.54	.08	.05	.00	0.49	-0.23	-0.17	0.49	-0.10
603490	D	5075	FT	.51	.15	.16	.14	.51	.03	.00	0.47	-0.13	-0.19	-0.19	0.47
603491	D	5075	FT	.56	.24	.05	.14	.56	.01	.00	0.51	-0.31	-0.18	-0.18	0.51
603492	B	5075	FT	.55	.39	.55	.01	.02	.03	.00	0.12	0.05	0.12	-0.15	-0.14
603493	C	3151	FT	.68	.05	.19	.68	.05	.03	.00	0.46	-0.19	-0.21	0.46	-0.19
603494	C	3115	FT	.88	.05	.02	.88	.02	.03	.00	0.43	-0.20	-0.18	0.43	-0.14
603495	A	3175	FT	.41	.41	.30	.15	.08	.05	.00	0.34	0.34	-0.10	-0.09	-0.06
603498	D	3151	FT	.47	.23	.13	.17	.47	.00	.00	0.35	-0.08	-0.19	-0.19	0.35
603499	D	5075	FT	.44	.07	.34	.12	.44	.03	.00	0.46	-0.18	-0.15	-0.17	0.46
603500	A	3115	FT	.49	.49	.17	.22	.13	.00	.00	0.37	0.37	-0.25	-0.11	-0.12
603501	D	3151	FT	.90	.01	.04	.03	.90	.00	.00	0.21	-0.10	-0.11	-0.14	0.21
603503	D	3115	FT	.81	.02	.01	.15	.81	.00	.00	0.42	-0.16	-0.13	-0.34	0.42
603504	D	3175	FT	.38	.03	.07	.52	.38	.00	.00	0.41	-0.11	-0.11	-0.30	0.41
603505	B	3151	FT	.78	.11	.78	.04	.04	.03	.00	0.43	-0.21	0.43	-0.18	-0.15
603506	C	3115	FT	.76	.12	.04	.76	.06	.03	.00	0.52	-0.32	-0.20	0.52	-0.15
603508	A	3175	FT	.43	.43	.29	.14	.09	.05	.00	0.58	0.58	-0.15	-0.32	-0.13
603509	B	3151	FT	.57	.13	.57	.13	.16	.00	.00	0.49	-0.17	0.49	-0.25	-0.27
603510	D	5075	FT	.77	.10	.04	.08	.77	.01	.00	0.44	-0.30	-0.18	-0.17	0.44
603511	A	3115	FT	.67	.67	.10	.09	.14	.00	.00	0.49	0.49	-0.24	-0.31	-0.19
603512	C	3151	FT	.25	.06	.54	.25	.11	.03	.00	0.39	-0.18	-0.06	0.39	-0.14
603513	D	5075	FT	.63	.03	.09	.24	.63	.01	.00	0.34	-0.18	-0.13	-0.18	0.34
603514	B	3115	FT	.39	.05	.39	.38	.15	.03	.00	0.13	-0.11	0.13	-0.02	0.06
603515	A	3175	FT	.25	.25	.63	.02	.05	.05	.00	0.09	0.09	0.12	-0.10	-0.08
603517	B	3151	FT	.49	.09	.49	.17	.25	.00	.00	0.34	-0.16	0.34	-0.24	-0.08
603518	B	3115	FT	.66	.11	.66	.20	.02	.00	.00	0.30	-0.10	0.30	-0.21	-0.14
603519	A	5075	FT	.83	.83	.04	.04	.06	.03	.00	0.52	0.52	-0.20	-0.25	-0.23
603520	C	3175	FT	.66	.04	.19	.66	.11	.00	.00	0.37	-0.18	-0.27	0.37	-0.10

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
603522	D	3175	FT	.91	.03	.02	.04	.91	.00	.00	0.29	-0.15	-0.10	-0.20	0.29
603523	B	3151	FT	.66	.14	.66	.12	.05	.03	.00	0.49	-0.29	0.49	-0.13	-0.19
603524	C	3151	FT	.75	.05	.10	.75	.07	.03	.00	0.38	-0.22	-0.14	0.38	-0.10
603525	B	3115	FT	.74	.10	.74	.08	.05	.03	.00	0.44	-0.13	0.44	-0.21	-0.20
603526	B	5075	FT	.61	.28	.61	.05	.04	.03	.00	0.38	-0.12	0.38	-0.21	-0.20
603528	C	3175	FT	.35	.48	.09	.35	.08	.00	.00	0.38	-0.20	-0.20	0.38	-0.08
603529	B	3151	FT	.63	.11	.63	.08	.15	.03	.00	0.50	-0.26	0.50	-0.22	-0.14
603530	C	5075	FT	.61	.19	.11	.61	.08	.01	.00	0.40	-0.20	-0.18	0.40	-0.16
603531	A	3115	FT	.37	.37	.28	.21	.11	.03	.00	0.37	0.37	-0.05	-0.19	-0.10
603532	C	3115	FT	.73	.02	.23	.73	.02	.00	.00	0.30	-0.15	-0.22	0.30	-0.12
603533	D	3175	FT	.33	.48	.07	.08	.33	.05	.00	0.51	-0.18	-0.15	-0.17	0.51
603534	B	3151	FT	.38	.30	.38	.13	.19	.00	.00	0.37	-0.23	0.37	-0.19	-0.01
603535	C	3115	FT	.61	.06	.14	.61	.16	.03	.00	0.50	-0.16	-0.16	0.50	-0.28
603536	C	3175	FT	.35	.35	.07	.35	.18	.05	.00	0.20	0.04	-0.21	0.20	0.01
603537	A	3151	FT	.73	.73	.09	.09	.09	.00	.00	0.28	0.28	-0.15	-0.18	-0.10
603538	C	5075	FT	.77	.12	.04	.77	.04	.03	.00	0.39	-0.11	-0.20	0.39	-0.19
603539	C	3151	FT	.75	.10	.09	.75	.04	.03	.00	0.46	-0.27	-0.15	0.46	-0.16
603540	B	3175	FT	.90	.04	.90	.03	.02	.00	.00	0.34	-0.17	0.34	-0.18	-0.18
603541	A	3151	FT	.74	.74	.04	.04	.15	.03	.00	0.42	0.42	-0.16	-0.21	-0.18
603542	C	3115	FT	.79	.05	.08	.79	.06	.03	.00	0.43	-0.18	-0.16	0.43	-0.20
603543	B	3175	FT	.74	.08	.74	.03	.10	.05	.00	0.37	-0.15	0.37	-0.20	-0.06
603544	A	5075	FT	.81	.81	.05	.10	.04	.01	.00	0.46	0.46	-0.22	-0.26	-0.20
603545	B	3175	FT	.60	.19	.60	.11	.05	.05	.00	0.39	-0.06	0.39	-0.23	-0.14
603546	A	3151	FT	.66	.66	.11	.14	.09	.00	.00	0.42	0.42	-0.22	-0.28	-0.10
603548	D	3115	FT	.88	.01	.08	.03	.88	.00	.00	0.40	-0.13	-0.33	-0.14	0.40
603551	A	3151	FT	.79	.79	.07	.07	.05	.03	.00	0.46	0.46	-0.21	-0.19	-0.18
603552	B	3151	FT	.80	.04	.80	.09	.04	.03	.00	0.40	-0.14	0.40	-0.20	-0.14
603553	B	3115	FT	.81	.09	.81	.05	.02	.03	.00	0.52	-0.31	0.52	-0.17	-0.18
603554	C	3175	FT	.72	.09	.09	.72	.06	.05	.00	0.54	-0.25	-0.24	0.54	-0.15
603556	C	3115	FT	.46	.24	.11	.46	.16	.03	.00	0.42	-0.23	-0.21	0.42	0.00
603557	C	5075	FT	.40	.23	.33	.40	.04	.01	.00	0.41	-0.23	-0.18	0.41	-0.01
603558	B	5075	FT	.80	.08	.80	.06	.03	.03	.00	0.42	-0.22	0.42	-0.17	-0.11
603560	B	3115	FT	.71	.24	.71	.04	.01	.00	.00	0.36	-0.31	0.36	-0.13	-0.03
603562	B	3115	FT	.66	.24	.66	.05	.01	.03	.00	0.40	-0.24	0.40	-0.13	-0.10
603563	C	3175	FT	.68	.12	.09	.68	.06	.05	.00	0.51	-0.24	-0.24	0.51	-0.10
603564	D	3151	FT	.49	.07	.17	.28	.49	.00	.00	0.39	-0.16	-0.16	-0.21	0.39
603565	D	3175	FT	.62	.01	.35	.01	.62	.01	.00	0.28	-0.11	-0.23	-0.11	0.28
603566	B	3151	FT	.68	.25	.68	.03	.01	.03	.00	0.27	-0.10	0.27	-0.14	-0.11
603569	C	3175	FT	.74	.06	.14	.74	.06	.00	.00	0.44	-0.21	-0.24	0.44	-0.24
603570	D	3151	FT	.83	.01	.01	.12	.83	.03	.00	0.29	-0.10	-0.09	-0.13	0.29

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
603573	C	3175	FT	.32	.09	.05	.32	.49	.05	.00	0.45	-0.26	-0.12	0.45	-0.09
603574	D	5075	FT	.30	.29	.32	.07	.30	.03	.00	0.41	-0.18	-0.11	0.00	0.41
603575	D	3151	FT	.51	.02	.15	.31	.51	.00	.00	0.42	-0.17	-0.30	-0.16	0.42
603576	D	3115	FT	.41	.04	.52	.03	.41	.00	.00	0.46	-0.17	-0.34	-0.11	0.46
603577	D	3175	FT	.46	.33	.15	.06	.46	.00	.00	0.51	-0.39	-0.09	-0.14	0.51
603578	A	5075	FT	.79	.79	.10	.06	.05	.01	.00	0.24	0.24	-0.06	-0.14	-0.15
603579	A	3151	FT	.59	.59	.06	.12	.21	.03	.00	0.50	0.50	-0.18	-0.16	-0.27
603610	B	5075	FT	.75	.18	.75	.01	.04	.03	.00	0.44	-0.22	0.44	-0.15	-0.22
603612	C	5075	FT	.91	.01	.06	.91	.01	.01	.00	0.33	-0.17	-0.19	0.33	-0.13
603614	B	3115	FT	.54	.28	.54	.12	.04	.03	.00	0.41	-0.13	0.41	-0.20	-0.18
603616	C	3175	FT	.44	.20	.20	.44	.11	.05	.00	0.45	-0.18	-0.12	0.45	-0.12
603617	A	3151	FT	.64	.64	.06	.05	.25	.00	.00	0.50	0.50	-0.20	-0.20	-0.34
603618	C	3115	FT	.46	.12	.21	.46	.21	.00	.00	0.46	-0.16	-0.27	0.46	-0.17
603619	C	3175	FT	.74	.08	.15	.74	.03	.00	.00	0.33	-0.20	-0.18	0.33	-0.14
603620	A	3151	FT	.27	.27	.51	.11	.08	.03	.00	0.50	0.50	-0.26	-0.08	-0.06
603621	D	3175	FT	.65	.14	.08	.08	.65	.05	.00	0.44	-0.15	-0.12	-0.20	0.44
603622	A	3115	FT	.62	.62	.26	.07	.02	.03	.00	0.59	0.59	-0.39	-0.19	-0.14
603623	B	3151	FT	.66	.15	.66	.12	.04	.03	.00	0.52	-0.17	0.52	-0.31	-0.18
603624	D	3151	FT	.63	.20	.07	.10	.63	.00	.00	0.30	-0.18	-0.11	-0.14	0.30
603625	C	3175	FT	.66	.20	.07	.66	.02	.05	.00	0.42	-0.18	-0.17	0.42	-0.11
603627	C	3151	FT	.49	.27	.20	.49	.04	.00	.00	0.45	-0.24	-0.27	0.45	-0.06
603628	D	3115	FT	.35	.12	.26	.27	.35	.00	.00	0.52	-0.06	-0.33	-0.18	0.52
603629	C	3175	FT	.39	.16	.41	.39	.03	.00	.00	0.54	-0.33	-0.23	0.54	-0.15
603631	C	3151	FT	.68	.08	.16	.68	.04	.03	.00	0.51	-0.20	-0.29	0.51	-0.16
603632	C	3175	FT	.73	.05	.14	.73	.04	.05	.00	0.47	-0.16	-0.23	0.47	-0.14
603633	C	3151	FT	.52	.11	.30	.52	.07	.00	.00	0.54	-0.09	-0.42	0.54	-0.19
603634	C	3115	FT	.76	.08	.08	.76	.08	.00	.00	0.41	-0.12	-0.28	0.41	-0.25
603635	C	3175	FT	.59	.30	.06	.59	.04	.00	.00	0.25	-0.13	-0.20	0.25	-0.05
603636	D	3151	FT	.59	.30	.02	.05	.59	.03	.00	0.61	-0.43	-0.14	-0.15	0.61
603637	C	3115	FT	.46	.29	.10	.46	.12	.03	.00	0.58	-0.31	-0.25	0.58	-0.07
603638	B	3175	FT	.60	.27	.60	.06	.01	.05	.00	0.61	-0.40	0.61	-0.16	-0.09
603639	D	3151	FT	.50	.35	.08	.07	.50	.00	.00	0.26	-0.01	-0.22	-0.24	0.26
603641	B	5075	FT	.28	.04	.28	.10	.56	.03	.00	0.47	-0.06	0.47	-0.14	-0.21
603643	B	5075	FT	.88	.03	.88	.05	.03	.01	.00	0.24	-0.13	0.24	-0.09	-0.12
603645	D	3115	FT	.33	.49	.10	.08	.33	.00	.00	0.55	-0.42	-0.10	-0.06	0.55
603646	B	3175	FT	.44	.33	.44	.12	.11	.00	.00	0.52	-0.30	0.52	-0.15	-0.20
603647	D	3151	FT	.51	.16	.16	.17	.51	.00	.00	0.43	-0.15	-0.22	-0.21	0.43
603648	A	3115	FT	.75	.75	.11	.10	.04	.00	.00	0.40	0.40	-0.25	-0.21	-0.16
603650	B	3115	FT	.83	.07	.83	.07	.04	.00	.00	0.33	-0.24	0.33	-0.11	-0.17
603651	B	3175	FT	.79	.14	.79	.04	.03	.00	.00	0.40	-0.32	0.40	-0.14	-0.12

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
603653	C	3151	FT	.69	.05	.15	.69	.08	.03	.00	0.42	-0.08	-0.26	0.42	-0.15
603655	D	3115	FT	.82	.09	.02	.04	.82	.03	.00	0.26	-0.14	-0.09	0.02	0.26
603656	A	5075	FT	.31	.31	.25	.37	.06	.01	.00	0.46	0.46	0.00	-0.36	-0.07
603657	D	3175	FT	.38	.13	.26	.19	.38	.05	.00	0.52	-0.08	-0.15	-0.23	0.52
603658	D	3151	FT	.72	.17	.03	.08	.72	.00	.00	0.35	-0.31	-0.13	-0.07	0.35
603659	D	5075	FT	.88	.03	.04	.02	.88	.03	.00	0.40	-0.12	-0.18	-0.16	0.40
603660	C	3175	FT	.54	.17	.19	.54	.09	.01	.00	0.36	-0.17	-0.18	0.36	-0.13
603663	B	3115	FT	.80	.02	.80	.11	.07	.00	.00	0.36	-0.12	0.36	-0.31	-0.12
603664	C	3175	FT	.82	.14	.02	.82	.02	.00	.00	0.39	-0.31	-0.15	0.39	-0.14
603665	C	3151	FT	.38	.32	.11	.38	.16	.03	.00	0.33	-0.08	-0.08	0.33	-0.13
603666	B	5075	FT	.72	.05	.72	.10	.12	.01	.00	0.44	-0.11	0.44	-0.25	-0.26
603667	D	3115	FT	.81	.06	.05	.05	.81	.03	.00	0.45	-0.20	-0.24	-0.13	0.45
603668	B	3175	FT	.22	.34	.22	.31	.12	.00	.00	0.25	-0.05	0.25	-0.08	-0.12
603669	B	3151	FT	.45	.14	.45	.26	.12	.03	.00	0.40	-0.10	0.40	-0.18	-0.12
603671	D	3115	FT	.40	.25	.13	.19	.40	.03	.00	0.43	-0.13	-0.22	-0.08	0.43
603672	B	3175	FT	.29	.34	.29	.23	.10	.05	.00	0.39	-0.15	0.39	-0.10	0.02
603674	C	5075	FT	.47	.29	.12	.47	.11	.01	.00	0.43	-0.20	-0.21	0.43	-0.13
603676	C	3115	FT	.87	.03	.03	.87	.04	.03	.00	0.43	-0.17	-0.22	0.43	-0.15
603677	D	3175	FT	.82	.03	.08	.03	.82	.05	.00	0.32	-0.10	-0.09	-0.10	0.32
603678	B	3151	FT	.58	.08	.58	.29	.05	.00	.00	0.40	-0.19	0.40	-0.27	-0.10
603679	C	3115	FT	.66	.08	.24	.66	.02	.00	.00	0.60	-0.22	-0.47	0.60	-0.12
603680	D	3175	FT	.37	.04	.43	.16	.37	.00	.00	0.44	-0.14	-0.26	-0.15	0.44
603681	D	3151	FT	.38	.07	.36	.16	.38	.03	.00	0.48	-0.12	-0.26	-0.08	0.48
603683	A	5075	FT	.74	.74	.12	.04	.07	.03	.00	0.44	0.44	-0.16	-0.19	-0.21
603684	C	5075	FT	.87	.03	.07	.87	.02	.01	.00	0.38	-0.20	-0.21	0.38	-0.16
603685	C	5075	FT	.35	.08	.44	.35	.11	.03	.00	0.28	-0.19	0.10	0.28	-0.25
603686	C	3115	FT	.40	.09	.41	.40	.07	.03	.00	0.30	-0.21	0.02	0.30	-0.18
603687	A	3175	FT	.79	.79	.05	.06	.05	.05	.00	0.54	0.54	-0.16	-0.25	-0.25
603688	A	5075	FT	.78	.78	.07	.09	.06	.01	.00	0.52	0.52	-0.23	-0.29	-0.27
603689	C	3151	FT	.71	.12	.04	.71	.13	.00	.00	0.42	-0.33	-0.20	0.42	-0.13
603690	B	3115	FT	.85	.06	.85	.04	.05	.00	.00	0.44	-0.28	0.44	-0.16	-0.26
603691	A	3175	FT	.72	.72	.09	.10	.10	.00	.00	0.47	0.47	-0.29	-0.31	-0.12
603692	C	3175	FT	.49	.10	.24	.49	.12	.05	.00	0.50	-0.12	-0.21	0.50	-0.17
603693	D	3151	FT	.63	.09	.11	.17	.63	.00	.00	0.46	-0.14	-0.14	-0.36	0.46
603694	B	3115	FT	.49	.18	.49	.24	.09	.00	.00	0.42	-0.13	0.42	-0.27	-0.13
603695	D	5075	FT	.72	.01	.04	.22	.72	.01	.00	0.35	-0.14	-0.21	-0.20	0.35
603697	D	3175	FT	.64	.07	.11	.17	.64	.00	.00	0.38	-0.15	-0.12	-0.26	0.38
603698	D	3151	FT	.49	.09	.19	.19	.49	.03	.00	0.45	-0.13	-0.33	-0.04	0.45
603699	C	3115	FT	.82	.03	.09	.82	.03	.03	.00	0.49	-0.20	-0.28	0.49	-0.15
603703	C	3175	FT	.59	.05	.15	.59	.16	.05	.00	0.51	-0.22	-0.18	0.51	-0.19

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
603704	D	5075	FT	.32	.13	.13	.39	.32	.03	.00	0.41	-0.13	-0.10	-0.13	0.41
603708	B	5075	FT	.32	.20	.32	.38	.08	.03	.00	0.19	0.00	0.19	-0.02	-0.09

Grade 6

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
598846	B	3193	FT	.56	.09	.56	.12	.22	.01	.00	0.35	-0.12	0.35	-0.18	-0.16
598847	C	4803	FT	.64	.06	.02	.64	.27	.01	.00	0.29	-0.22	-0.13	0.29	-0.12
603158	B	3188	FT	.54	.40	.54	.03	.02	.01	.00	0.42	-0.29	0.42	-0.18	-0.15
603159	A	4803	FT	.80	.80	.06	.06	.07	.01	.00	0.45	0.45	-0.21	-0.27	-0.19
603160	D	4803	FT	.47	.08	.15	.27	.47	.04	.00	0.40	-0.14	-0.16	-0.10	0.40
603161	A	3193	FT	.68	.68	.18	.10	.04	.01	.00	0.35	0.35	-0.17	-0.21	-0.14
603162	B	3194	FT	.67	.10	.67	.07	.16	.00	.00	0.31	-0.08	0.31	-0.23	-0.15
603163	A	4803	FT	.32	.32	.09	.11	.45	.04	.00	0.35	0.35	-0.20	-0.16	0.00
603164	C	3194	FT	.34	.50	.04	.34	.08	.04	.00	0.22	0.12	-0.18	0.22	-0.24
603165	C	3188	FT	.78	.10	.08	.78	.04	.01	.00	0.47	-0.34	-0.23	0.47	-0.11
603166	D	4803	FT	.63	.23	.05	.04	.63	.04	.00	0.39	-0.09	-0.21	-0.20	0.39
603167	B	3194	FT	.43	.20	.43	.20	.17	.01	.00	0.33	-0.14	0.33	-0.13	-0.13
603168	B	3194	FT	.45	.13	.45	.18	.23	.01	.00	0.36	-0.21	0.36	-0.24	-0.02
603169	D	4803	FT	.59	.11	.14	.12	.59	.04	.00	0.53	-0.17	-0.18	-0.27	0.53
603170	D	3188	FT	.52	.11	.14	.19	.52	.04	.00	0.49	-0.14	-0.24	-0.14	0.49
603171	D	4803	FT	.78	.09	.04	.08	.78	.01	.00	0.45	-0.21	-0.16	-0.27	0.45
603172	D	3194	FT	.78	.05	.04	.09	.78	.04	.00	0.35	-0.17	-0.13	-0.07	0.35
603173	C	3188	FT	.41	.13	.30	.41	.16	.01	.00	0.22	-0.17	0.01	0.22	-0.13
603174	B	3188	FT	.57	.07	.57	.18	.14	.04	.00	0.52	-0.13	0.52	-0.18	-0.28
603175	D	3193	FT	.64	.13	.12	.07	.64	.04	.00	0.30	-0.09	-0.02	-0.10	0.30
603176	B	3194	FT	.43	.17	.43	.26	.09	.04	.00	0.32	-0.10	0.32	-0.05	-0.10
603177	D	4803	FT	.31	.26	.15	.27	.31	.01	.00	0.30	-0.25	-0.21	0.14	0.30
603178	D	3194	FT	.53	.22	.17	.04	.53	.04	.00	0.57	-0.32	-0.16	-0.12	0.57
603179	D	3188	FT	.54	.22	.18	.06	.54	.01	.00	0.53	-0.29	-0.27	-0.11	0.53
603180	B	3193	FT	.46	.11	.46	.19	.23	.01	.00	0.35	-0.07	0.35	-0.16	-0.18
603181	C	3194	FT	.78	.14	.05	.78	.03	.01	.00	0.38	-0.26	-0.16	0.38	-0.14
603182	A	3188	FT	.67	.67	.19	.04	.06	.04	.00	0.38	0.38	-0.13	-0.15	-0.17
603183	B	3194	FT	.27	.14	.27	.51	.07	.01	.00	0.36	-0.06	0.36	-0.23	-0.06
603184	C	4803	FT	.41	.26	.21	.41	.09	.04	.00	0.38	-0.16	-0.08	0.38	-0.10
603185	C	3188	FT	.67	.13	.08	.67	.07	.04	.00	0.44	-0.18	-0.15	0.44	-0.17
603186	C	4803	FT	.69	.13	.06	.69	.07	.04	.00	0.47	-0.14	-0.22	0.47	-0.21
603187	A	3194	FT	.67	.67	.09	.11	.13	.00	.00	0.38	0.38	-0.19	-0.18	-0.19
603188	C	3188	FT	.31	.31	.16	.31	.18	.04	.00	0.39	-0.27	0.07	0.39	-0.05
603189	B	3188	FT	.49	.25	.49	.13	.12	.01	.00	0.31	-0.22	0.31	-0.06	-0.07
603190	A	3188	FT	.81	.81	.04	.02	.12	.01	.00	0.42	0.42	-0.13	-0.16	-0.32
603191	B	3193	FT	.69	.13	.69	.08	.09	.01	.00	0.35	-0.18	0.35	-0.19	-0.12
603192	A	4803	FT	.64	.64	.10	.19	.07	.01	.00	0.48	0.48	-0.24	-0.22	-0.22
603193	B	3188	FT	.38	.23	.38	.19	.16	.04	.00	0.39	-0.13	0.39	-0.14	-0.07

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
603194	C	3193	FT	.50	.28	.07	.50	.10	.04	.00	0.56	-0.33	-0.09	0.56	-0.08
603195	D	3194	FT	.82	.09	.02	.03	.82	.04	.00	0.46	-0.22	-0.17	-0.17	0.46
603196	A	4803	FT	.39	.39	.09	.38	.12	.01	.00	0.40	0.40	-0.09	-0.21	-0.15
603197	D	4803	FT	.60	.06	.09	.21	.60	.04	.00	0.51	-0.22	-0.26	-0.17	0.51
603199	B	3188	FT	.44	.17	.44	.19	.20	.01	.00	0.51	-0.29	0.51	-0.27	-0.07
603200	C	3193	FT	.40	.21	.15	.40	.23	.01	.00	0.39	-0.07	-0.21	0.39	-0.18
603201	A	3194	FT	.60	.60	.14	.17	.08	.01	.00	0.42	0.42	-0.26	-0.17	-0.17
603202	D	3193	FT	.87	.01	.07	.05	.87	.01	.00	0.32	-0.12	-0.18	-0.17	0.32
603203	D	3194	FT	.83	.09	.05	.03	.83	.01	.00	0.40	-0.26	-0.20	-0.17	0.40
603204	C	3188	FT	.73	.13	.04	.73	.06	.04	.00	0.49	-0.28	-0.19	0.49	-0.12
603205	A	3188	FT	.45	.45	.42	.06	.03	.04	.00	0.43	0.43	-0.19	-0.17	-0.13
603206	A	3193	FT	.52	.52	.26	.11	.07	.04	.00	0.39	0.39	-0.05	-0.18	-0.14
603207	D	3194	FT	.70	.09	.08	.09	.70	.04	.00	0.52	-0.22	-0.21	-0.19	0.52
603208	C	3188	FT	.60	.16	.04	.60	.18	.01	.00	0.46	-0.27	-0.22	0.46	-0.19
603209	C	4803	FT	.34	.41	.11	.34	.10	.04	.00	0.36	-0.12	-0.17	0.36	-0.01
603210	C	3193	FT	.69	.15	.05	.69	.08	.04	.00	0.48	-0.12	-0.20	0.48	-0.22
603211	B	3194	FT	.40	.03	.40	.04	.50	.04	.00	0.38	-0.11	0.38	-0.19	-0.13
603212	D	4803	FT	.60	.23	.13	.03	.60	.01	.00	0.57	-0.35	-0.25	-0.15	0.57
603213	C	3188	FT	.83	.12	.01	.83	.03	.00	.00	0.30	-0.17	-0.15	0.30	-0.18
603214	A	3193	FT	.60	.60	.22	.13	.04	.01	.00	0.46	0.46	-0.23	-0.27	-0.13
603215	B	3188	FT	.76	.09	.76	.04	.06	.04	.00	0.36	-0.06	0.36	-0.17	-0.17
603216	C	3193	FT	.33	.25	.18	.33	.20	.05	.00	0.17	-0.03	-0.13	0.17	0.16
603217	B	4803	FT	.47	.08	.47	.36	.05	.04	.00	0.41	-0.15	0.41	-0.20	-0.06
603218	A	3188	FT	.93	.93	.03	.04	.01	.01	.00	0.28	0.28	-0.18	-0.13	-0.09
603219	B	3193	FT	.87	.01	.87	.03	.08	.01	.00	0.34	-0.06	0.34	-0.13	-0.27
603220	D	3194	FT	.87	.03	.06	.03	.87	.00	.00	0.34	-0.19	-0.19	-0.15	0.34
603221	D	3188	FT	.68	.05	.11	.12	.68	.04	.00	0.45	-0.19	-0.19	-0.16	0.45
603222	C	3188	FT	.51	.09	.05	.51	.34	.01	.00	0.48	-0.16	-0.10	0.48	-0.34
603223	B	3193	FT	.53	.17	.53	.26	.04	.01	.00	0.39	-0.16	0.39	-0.19	-0.20
603224	C	4803	FT	.55	.15	.16	.55	.10	.04	.00	0.37	-0.11	-0.16	0.37	-0.10
603225	C	4803	FT	.40	.07	.09	.40	.42	.01	.00	0.45	-0.17	-0.16	0.45	-0.23
603226	B	3194	FT	.43	.24	.43	.20	.12	.01	.00	0.32	-0.13	0.32	-0.18	-0.06
603227	B	3193	FT	.37	.17	.37	.15	.29	.01	.00	0.32	-0.03	0.32	-0.04	-0.25
603228	B	4803	FT	.71	.03	.71	.19	.03	.04	.00	0.57	-0.09	0.57	-0.41	-0.13
603229	C	4803	FT	.23	.04	.49	.23	.22	.04	.00	0.29	-0.03	0.04	0.29	-0.20
603230	B	3193	FT	.59	.32	.59	.03	.02	.04	.00	0.39	-0.16	0.39	-0.15	-0.10
603231	B	4803	FT	.74	.02	.74	.01	.19	.04	.00	0.32	-0.12	0.32	-0.12	-0.13
603232	D	3194	FT	.82	.04	.05	.05	.82	.04	.00	0.46	-0.17	-0.15	-0.21	0.46
603233	A	4803	FT	.93	.93	.01	.04	.01	.01	.00	0.29	0.29	-0.11	-0.15	-0.13
603234	D	3193	FT	.86	.01	.01	.08	.86	.05	.00	0.41	-0.05	-0.06	-0.19	0.41

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
603235	C	3194	FT	.51	.05	.07	.51	.32	.04	.00	0.33	-0.05	-0.08	0.33	-0.15
603236	C	3193	FT	.84	.03	.06	.84	.02	.04	.00	0.37	-0.12	-0.05	0.37	-0.14
603237	D	3194	FT	.57	.22	.10	.08	.57	.04	.00	0.54	-0.30	-0.19	-0.08	0.54
603238	C	3188	FT	.49	.12	.30	.49	.09	.01	.00	0.17	-0.17	0.09	0.17	-0.20
603239	D	3193	FT	.67	.04	.19	.09	.67	.01	.00	0.40	-0.13	-0.30	-0.10	0.40
603240	D	3194	FT	.57	.16	.24	.02	.57	.00	.00	0.47	-0.30	-0.22	-0.13	0.47
603241	D	3188	FT	.55	.04	.25	.11	.55	.04	.00	0.51	-0.14	-0.32	-0.09	0.51
603242	A	4803	FT	.57	.57	.11	.10	.18	.04	.00	0.49	0.49	-0.15	-0.19	-0.21
603243	D	4803	FT	.65	.15	.06	.13	.65	.01	.00	0.43	-0.35	-0.10	-0.11	0.43
603244	A	3193	FT	.26	.26	.22	.27	.21	.04	.00	0.18	0.18	-0.02	0.04	-0.02
603245	B	4803	FT	.22	.21	.22	.16	.38	.04	.00	0.29	-0.24	0.29	-0.12	0.17
603246	D	3194	FT	.07	.60	.19	.10	.07	.04	.00	0.32	-0.03	-0.03	0.05	0.32
603247	A	3188	FT	.66	.66	.07	.13	.13	.01	.00	0.49	0.49	-0.19	-0.22	-0.29
603248	D	3193	FT	.52	.18	.14	.11	.52	.05	.00	0.51	-0.19	-0.17	-0.13	0.51
603249	D	3194	FT	.50	.16	.19	.11	.50	.04	.00	0.54	-0.22	-0.16	-0.20	0.54
603250	D	4803	FT	.61	.14	.14	.10	.61	.01	.00	0.46	-0.27	-0.20	-0.15	0.46
603251	B	3188	FT	.73	.10	.73	.10	.06	.01	.00	0.22	-0.10	0.22	-0.10	-0.09
603252	B	3194	FT	.84	.05	.84	.02	.08	.00	.00	0.27	-0.11	0.27	-0.14	-0.18
603253	C	3188	FT	.68	.25	.02	.68	.01	.04	.00	0.47	-0.31	-0.10	0.47	-0.11
603254	A	3193	FT	.79	.79	.04	.05	.07	.05	.00	0.54	0.54	-0.18	-0.18	-0.25
603255	D	4803	FT	.74	.13	.05	.04	.74	.04	.00	0.52	-0.28	-0.22	-0.13	0.52
603256	A	3194	FT	.75	.75	.01	.17	.03	.04	.00	0.48	0.48	-0.13	-0.28	-0.14
603257	A	3188	FT	.90	.90	.05	.02	.02	.01	.00	0.36	0.36	-0.21	-0.15	-0.18
603258	D	3194	FT	.57	.03	.31	.08	.57	.00	.00	0.52	-0.24	-0.43	-0.03	0.52
603259	B	4803	FT	.82	.05	.82	.02	.07	.04	.00	0.44	-0.17	0.44	-0.16	-0.20
603260	D	4803	FT	.80	.12	.02	.06	.80	.01	.00	0.45	-0.31	-0.17	-0.17	0.45
603262	C	3194	FT	.27	.55	.05	.27	.12	.00	.00	0.42	-0.30	-0.08	0.42	-0.04
603263	A	3188	FT	.37	.37	.19	.23	.17	.04	.00	0.32	0.32	-0.16	-0.04	-0.04
603264	B	3193	FT	.34	.17	.34	.20	.25	.05	.00	0.40	-0.04	0.40	-0.14	-0.09
603265	D	3194	FT	.52	.15	.12	.18	.52	.04	.00	0.47	-0.21	-0.19	-0.10	0.47
603266	C	4803	FT	.58	.11	.28	.58	.02	.01	.00	0.49	-0.31	-0.25	0.49	-0.08
603267	B	3188	FT	.56	.27	.56	.07	.07	.04	.00	0.54	-0.23	0.54	-0.27	-0.15
603268	D	3194	FT	.68	.24	.03	.05	.68	.01	.00	0.48	-0.37	-0.16	-0.14	0.48
603269	D	3188	FT	.49	.10	.06	.32	.49	.04	.00	0.50	-0.18	-0.29	-0.14	0.50
603270	A	3193	FT	.53	.53	.26	.13	.03	.05	.00	0.54	0.54	-0.27	-0.15	-0.11
603271	B	3194	FT	.52	.14	.52	.19	.10	.04	.00	0.52	-0.18	0.52	-0.28	-0.07
603272	B	4803	FT	.68	.14	.68	.08	.09	.01	.00	0.43	-0.21	0.43	-0.16	-0.23
603273	B	3188	FT	.72	.05	.72	.07	.12	.04	.00	0.52	-0.19	0.52	-0.22	-0.24
603274	A	3193	FT	.57	.57	.17	.13	.08	.04	.00	0.46	0.46	-0.14	-0.12	-0.20
603275	A	3194	FT	.64	.64	.13	.15	.04	.04	.00	0.60	0.60	-0.24	-0.29	-0.19

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
603276	A	3188	FT	.69	.69	.14	.11	.06	.01	.00	0.40	0.40	-0.25	-0.20	-0.09
603277	A	3193	FT	.63	.63	.12	.19	.06	.01	.00	0.50	0.50	-0.22	-0.25	-0.23
603278	B	4803	FT	.77	.06	.77	.09	.05	.04	.00	0.47	-0.20	0.47	-0.24	-0.12
603279	A	3188	FT	.40	.40	.16	.20	.20	.04	.00	0.53	0.53	-0.22	-0.20	-0.10
603280	C	3193	FT	.50	.30	.11	.50	.04	.05	.00	0.44	-0.11	-0.20	0.44	-0.12
603281	C	3194	FT	.32	.39	.15	.32	.10	.04	.00	0.37	0.01	-0.18	0.37	-0.14
603282	B	3188	FT	.39	.31	.39	.16	.14	.00	.00	0.32	-0.13	0.32	-0.08	-0.16
603283	D	3193	FT	.46	.16	.15	.18	.46	.05	.00	0.52	-0.26	-0.18	-0.04	0.52
603284	D	3194	FT	.63	.10	.14	.09	.63	.04	.00	0.52	-0.14	-0.27	-0.19	0.52
603285	C	3188	FT	.64	.19	.06	.64	.11	.00	.00	0.39	-0.19	-0.21	0.39	-0.17
603286	A	3193	FT	.86	.86	.06	.05	.03	.01	.00	0.45	0.45	-0.26	-0.23	-0.19
603287	C	3194	FT	.73	.15	.05	.73	.07	.01	.00	0.40	-0.31	-0.20	0.40	-0.07
603288	D	3193	FT	.37	.36	.19	.07	.37	.01	.00	0.43	-0.14	-0.26	-0.09	0.43
603289	D	4803	FT	.49	.02	.40	.08	.49	.01	.00	0.43	-0.13	-0.31	-0.09	0.43
603290	A	3193	FT	.79	.79	.06	.07	.04	.04	.00	0.48	0.48	-0.16	-0.16	-0.17
603291	B	3194	FT	.70	.16	.70	.04	.06	.04	.00	0.42	-0.20	0.42	-0.14	-0.12
603292	A	4803	FT	.50	.50	.09	.19	.21	.01	.00	0.49	0.49	-0.23	-0.19	-0.21
603293	C	3188	FT	.62	.22	.06	.62	.10	.01	.00	0.45	-0.31	-0.21	0.45	-0.09
603294	C	3193	FT	.80	.11	.04	.80	.04	.01	.00	0.37	-0.21	-0.16	0.37	-0.18
603295	A	4803	FT	.58	.58	.14	.10	.17	.01	.00	0.46	0.46	-0.12	-0.28	-0.22
603296	C	3194	FT	.47	.15	.15	.47	.22	.01	.00	0.43	-0.29	-0.20	0.43	-0.07
603297	D	4803	FT	.38	.23	.15	.20	.38	.04	.00	0.41	-0.05	-0.12	-0.18	0.41
603298	D	3188	FT	.76	.04	.09	.08	.76	.04	.00	0.53	-0.18	-0.25	-0.23	0.53
603299	C	3193	FT	.79	.07	.08	.79	.01	.05	.00	0.54	-0.25	-0.23	0.54	-0.13
603300	B	3193	FT	.27	.11	.27	.50	.11	.00	.00	0.35	-0.31	0.35	-0.06	-0.05
603301	C	3194	FT	.85	.04	.05	.85	.06	.00	.00	0.28	-0.09	-0.19	0.28	-0.15
603302	B	3188	FT	.42	.08	.42	.11	.35	.04	.00	0.40	-0.19	0.40	-0.18	-0.06
603303	B	3193	FT	.68	.19	.68	.03	.05	.04	.00	0.44	-0.15	0.44	-0.14	-0.19
603304	B	3194	FT	.39	.20	.39	.04	.33	.04	.00	0.23	-0.15	0.23	-0.10	0.07
603305	C	4803	FT	.60	.12	.13	.60	.14	.01	.00	0.44	-0.16	-0.21	0.44	-0.22
603306	B	3188	FT	.40	.12	.40	.42	.04	.01	.00	0.37	-0.24	0.37	-0.16	-0.07
603307	A	3194	FT	.60	.60	.24	.08	.04	.04	.00	0.41	0.41	-0.16	-0.16	-0.13
603308	C	3188	FT	.69	.22	.02	.69	.06	.01	.00	0.39	-0.25	-0.15	0.39	-0.19
603309	C	4803	FT	.59	.04	.06	.59	.30	.01	.00	0.42	-0.13	-0.23	0.42	-0.23
603310	B	3193	FT	.36	.38	.36	.14	.12	.01	.00	0.10	0.05	0.10	-0.01	-0.18
603311	B	3194	FT	.37	.34	.37	.15	.13	.00	.00	0.13	0.06	0.13	-0.05	-0.20
603312	B	3193	FT	.71	.15	.71	.03	.07	.04	.00	0.43	-0.13	0.43	-0.16	-0.16
603313	B	4803	FT	.44	.01	.44	.44	.10	.01	.00	0.46	-0.09	0.46	-0.25	-0.27
603314	D	3194	FT	.73	.02	.19	.02	.73	.04	.00	0.32	-0.08	-0.12	-0.13	0.32
603315	D	3188	FT	.59	.13	.19	.09	.59	.01	.00	0.42	-0.14	-0.25	-0.17	0.42

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
603316	C	3193	FT	.97	.01	.01	.97	.01	.01	.00	0.21	-0.03	-0.10	0.21	-0.09
603317	A	3194	FT	.53	.53	.06	.34	.07	.01	.00	0.36	0.36	-0.16	-0.17	-0.22
603318	B	3188	FT	.47	.07	.47	.17	.25	.04	.00	0.53	-0.07	0.53	-0.10	-0.35
603319	B	3193	FT	.49	.19	.49	.18	.10	.05	.00	0.37	-0.17	0.37	-0.11	0.02
603320	B	4803	FT	.46	.22	.46	.18	.10	.04	.00	0.50	-0.19	0.50	-0.21	-0.10
603321	A	3193	FT	.76	.76	.05	.12	.07	.01	.00	0.44	0.44	-0.20	-0.32	-0.12
603322	C	4803	FT	.26	.16	.12	.26	.45	.01	.00	0.36	-0.22	-0.03	0.36	-0.09
603323	C	3194	FT	.67	.06	.14	.67	.08	.04	.00	0.37	-0.16	-0.01	0.37	-0.23
603324	B	3188	FT	.89	.02	.89	.03	.05	.01	.00	0.33	-0.15	0.33	-0.16	-0.19
603325	A	3193	FT	.88	.88	.04	.05	.03	.00	.00	0.37	0.37	-0.18	-0.21	-0.16
603326	D	3194	FT	.47	.25	.14	.14	.47	.00	.00	0.29	-0.16	-0.13	-0.07	0.29
603327	C	3188	FT	.82	.04	.04	.82	.06	.04	.00	0.46	-0.19	-0.18	0.46	-0.20
603328	B	4803	FT	.71	.12	.71	.04	.09	.04	.00	0.46	-0.24	0.46	-0.15	-0.14
603329	B	3193	FT	.86	.03	.86	.02	.03	.04	.00	0.45	-0.14	0.45	-0.12	-0.17
603330	B	3194	FT	.50	.24	.50	.20	.06	.00	.00	0.44	-0.15	0.44	-0.29	-0.14
603331	D	3188	FT	.56	.14	.15	.11	.56	.04	.00	0.45	-0.21	-0.11	-0.17	0.45
603332	C	3193	FT	.46	.30	.12	.46	.07	.04	.00	0.52	-0.19	-0.15	0.52	-0.17
603333	C	3194	FT	.44	.12	.24	.44	.16	.04	.00	0.42	-0.13	-0.09	0.42	-0.18
603335	D	3188	FT	.62	.01	.36	.01	.62	.00	.00	0.36	-0.14	-0.29	-0.11	0.36
603336	C	3193	FT	.41	.14	.27	.41	.16	.01	.00	0.38	-0.15	-0.19	0.38	-0.09
603337	C	3188	FT	.87	.02	.10	.87	.02	.00	.00	0.27	-0.10	-0.17	0.27	-0.14
603338	D	3193	FT	.51	.06	.08	.34	.51	.01	.00	0.33	-0.11	-0.12	-0.19	0.33
603339	C	4803	FT	.84	.03	.07	.84	.05	.01	.00	0.31	-0.16	-0.15	0.31	-0.13
603340	C	3193	FT	.08	.03	.82	.08	.06	.01	.00	0.16	-0.08	0.04	0.16	-0.12
603341	D	3194	FT	.66	.05	.06	.22	.66	.00	.00	0.44	-0.21	-0.13	-0.30	0.44
603342	B	3193	FT	.42	.25	.42	.16	.17	.01	.00	0.32	0.05	0.32	-0.21	-0.23
603343	B	3194	FT	.29	.29	.29	.10	.31	.01	.00	0.37	-0.29	0.37	-0.17	0.04
603344	D	3188	FT	.54	.20	.09	.14	.54	.04	.00	0.50	-0.24	-0.16	-0.14	0.50
603345	C	3193	FT	.62	.11	.23	.62	.03	.01	.00	0.42	-0.19	-0.27	0.42	-0.07
603346	A	4803	FT	.32	.32	.32	.21	.11	.04	.00	0.40	0.40	-0.11	-0.08	-0.13
603347	A	4803	FT	.88	.88	.04	.04	.03	.01	.00	0.39	0.39	-0.18	-0.20	-0.20
603348	D	4803	FT	.56	.06	.24	.10	.56	.04	.00	0.50	-0.16	-0.22	-0.18	0.50
603349	A	3194	FT	.44	.44	.04	.07	.44	.01	.00	0.34	0.34	-0.15	-0.13	-0.20
603350	C	3188	FT	.33	.28	.28	.33	.08	.04	.00	0.48	-0.27	-0.11	0.48	0.01
603351	B	3193	FT	.38	.07	.38	.32	.19	.05	.00	0.40	-0.04	0.40	-0.14	-0.08
603352	C	3194	FT	.33	.26	.19	.33	.18	.04	.00	0.36	0.03	-0.04	0.36	-0.27
603353	B	4803	FT	.80	.10	.80	.05	.04	.01	.00	0.44	-0.30	0.44	-0.15	-0.17
603354	B	3193	FT	.86	.01	.86	.04	.08	.01	.00	0.25	-0.11	0.25	-0.11	-0.15
603355	A	3194	FT	.82	.82	.16	.01	.01	.01	.00	0.39	0.39	-0.32	-0.12	-0.12
603356	C	4803	FT	.39	.14	.26	.39	.18	.04	.00	0.39	0.07	-0.31	0.39	-0.05

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
603357	B	3193	FT	.67	.19	.67	.07	.02	.05	.00	0.30	0.00	0.30	-0.17	-0.13
603358	A	3194	FT	.40	.40	.07	.35	.13	.04	.00	0.44	0.44	-0.01	-0.26	-0.07
603359	D	3188	FT	.43	.20	.10	.26	.43	.01	.00	0.29	-0.19	-0.14	-0.02	0.29
603360	B	4803	FT	.55	.21	.55	.11	.10	.04	.00	0.52	-0.21	0.52	-0.18	-0.21
603361	C	3188	FT	.48	.28	.13	.48	.10	.01	.00	0.52	-0.38	-0.11	0.52	-0.12
603362	B	3193	FT	.43	.07	.43	.21	.29	.00	.00	0.43	-0.22	0.43	-0.27	-0.08
603363	B	4803	FT	.54	.20	.54	.16	.07	.04	.00	0.52	-0.21	0.52	-0.22	-0.16
603364	A	4803	FT	.47	.47	.19	.12	.22	.01	.00	0.50	0.50	-0.14	-0.18	-0.28
603365	B	3194	FT	.81	.07	.81	.08	.03	.00	.00	0.41	-0.20	0.41	-0.27	-0.15
603366	D	4803	FT	.46	.06	.40	.07	.46	.01	.00	0.35	-0.12	-0.18	-0.16	0.35
603367	B	3194	FT	.70	.12	.70	.11	.06	.00	.00	0.41	-0.20	0.41	-0.22	-0.19
603368	B	3188	FT	.79	.07	.79	.05	.05	.04	.00	0.46	-0.19	0.46	-0.19	-0.17
603369	D	4803	FT	.76	.06	.10	.06	.76	.01	.00	0.48	-0.17	-0.31	-0.21	0.48
603370	D	4803	FT	.22	.11	.56	.07	.22	.04	.00	0.24	-0.08	0.05	-0.14	0.24
603371	C	4803	FT	.55	.17	.18	.55	.06	.04	.00	0.44	-0.10	-0.23	0.44	-0.15
603372	B	4803	FT	.13	.60	.13	.25	.01	.01	.00	0.18	-0.34	0.18	0.30	-0.06
603373	C	4803	FT	.70	.10	.05	.70	.12	.04	.00	0.50	-0.25	-0.20	0.50	-0.16
603374	B	3188	FT	.51	.25	.51	.11	.09	.04	.00	0.33	-0.08	0.33	-0.16	-0.06
603375	C	3193	FT	.72	.10	.07	.72	.07	.04	.00	0.54	-0.22	-0.24	0.54	-0.13
603376	D	3194	FT	.78	.02	.10	.06	.78	.04	.00	0.45	-0.15	-0.21	-0.15	0.45
603377	B	3188	FT	.78	.09	.78	.04	.08	.01	.00	0.48	-0.30	0.48	-0.19	-0.22
603378	C	3188	FT	.51	.06	.08	.51	.34	.01	.00	0.37	-0.12	-0.14	0.37	-0.23
603379	A	3193	FT	.82	.82	.03	.03	.12	.01	.00	0.39	0.39	-0.19	-0.22	-0.21
603380	D	3194	FT	.84	.04	.03	.09	.84	.00	.00	0.43	-0.25	-0.17	-0.27	0.43
603381	C	3188	FT	.80	.07	.02	.80	.08	.04	.00	0.40	-0.18	-0.10	0.40	-0.16
603382	D	3193	FT	.73	.05	.04	.13	.73	.04	.00	0.55	-0.23	-0.15	-0.24	0.55
603383	B	3194	FT	.69	.14	.69	.05	.08	.04	.00	0.46	-0.21	0.46	-0.22	-0.10
603384	C	3188	FT	.56	.09	.03	.56	.28	.04	.00	0.49	-0.26	-0.16	0.49	-0.18
603385	C	3193	FT	.32	.23	.16	.32	.24	.05	.00	0.43	-0.06	-0.17	0.43	-0.08
603709	C	3188	FT	.85	.03	.05	.85	.03	.04	.00	0.37	-0.12	-0.15	0.37	-0.11
603711	A	3193	FT	.60	.60	.24	.07	.04	.05	.00	0.32	0.32	-0.08	-0.10	-0.07
603712	D	4803	FT	.68	.13	.01	.18	.68	.01	.00	0.40	-0.32	-0.11	-0.13	0.40
603713	D	3194	FT	.70	.10	.06	.09	.70	.04	.00	0.49	-0.27	-0.14	-0.15	0.49
603714	C	3193	FT	.80	.11	.06	.80	.02	.01	.00	0.36	-0.21	-0.19	0.36	-0.10
603715	B	3194	FT	.61	.20	.61	.08	.10	.00	.00	0.44	-0.25	0.44	-0.23	-0.14
603716	A	3188	FT	.74	.74	.08	.09	.06	.04	.00	0.49	0.49	-0.21	-0.24	-0.14
603717	C	3193	FT	.64	.10	.08	.64	.13	.04	.00	0.53	-0.23	-0.18	0.53	-0.16
603718	A	3194	FT	.61	.61	.16	.09	.11	.04	.00	0.52	0.52	-0.24	-0.23	-0.10
603719	B	4803	FT	.59	.10	.59	.22	.06	.04	.00	0.46	-0.23	0.46	-0.16	-0.16
603720	A	4803	FT	.63	.63	.09	.20	.07	.01	.00	0.53	0.53	-0.20	-0.34	-0.17

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
603721	D	3188	FT	.61	.09	.13	.17	.61	.01	.00	0.48	-0.21	-0.24	-0.22	0.48
603722	C	3193	FT	.39	.20	.23	.39	.17	.01	.00	0.39	-0.22	-0.20	0.39	-0.01

Grade 7

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
598848	D	3136	FT	.52	.17	.12	.19	.52	.01	.00	0.41	-0.25	-0.24	-0.07	0.41
598849	B	3171	FT	.92	.02	.92	.02	.03	.00	.00	0.23	-0.11	0.23	-0.14	-0.13
599913	A	4879	FT	.91	.91	.03	.02	.03	.01	.00	0.34	0.34	-0.17	-0.15	-0.16
599914	C	3170	FT	.23	.08	.57	.23	.08	.04	.00	-0.05	-0.19	0.36	-0.05	-0.15
599917	D	3171	FT	.35	.21	.25	.19	.35	.00	.00	0.38	-0.08	-0.19	-0.16	0.38
599921	A	4879	FT	.54	.54	.05	.08	.32	.01	.00	0.41	0.41	-0.20	-0.29	-0.13
599922	C	3136	FT	.56	.11	.25	.56	.08	.00	.00	0.43	-0.28	-0.13	0.43	-0.23
599923	A	3170	FT	.62	.62	.12	.13	.13	.01	.00	0.47	0.47	-0.22	-0.21	-0.25
599924	C	3171	FT	.45	.31	.10	.45	.09	.04	.00	0.47	-0.20	-0.16	0.47	-0.09
599925	C	3170	FT	.34	.39	.16	.34	.06	.04	.00	0.26	-0.02	-0.16	0.26	0.05
599926	D	3171	FT	.39	.13	.07	.40	.39	.00	.00	0.33	-0.24	-0.21	-0.05	0.33
599927	C	3136	FT	.68	.13	.06	.68	.12	.00	.00	0.42	-0.25	-0.15	0.42	-0.20
599928	A	3170	FT	.61	.61	.12	.17	.10	.01	.00	0.46	0.46	-0.23	-0.27	-0.14
599929	A	3171	FT	.55	.55	.15	.21	.05	.04	.00	0.32	0.32	-0.16	-0.04	-0.08
599930	B	3136	FT	.47	.29	.47	.10	.09	.04	.00	0.44	-0.13	0.44	-0.20	-0.14
599931	A	3170	FT	.63	.63	.23	.05	.05	.04	.00	0.51	0.51	-0.25	-0.20	-0.14
599932	A	3171	FT	.41	.41	.41	.13	.05	.00	.00	0.30	0.30	-0.12	-0.15	-0.16
599933	C	3136	FT	.39	.12	.47	.39	.02	.00	.00	0.44	-0.04	-0.37	0.44	-0.09
599935	C	3170	FT	.60	.14	.16	.60	.10	.01	.00	0.30	-0.11	-0.19	0.30	-0.10
599936	B	3136	FT	.76	.10	.76	.08	.06	.00	.00	0.37	-0.20	0.37	-0.20	-0.17
599937	B	4879	FT	.74	.10	.74	.12	.03	.01	.00	0.43	-0.29	0.43	-0.15	-0.18
599938	C	4879	FT	.06	.10	.76	.06	.04	.04	.00	-0.19	-0.21	0.45	-0.19	-0.14
599939	A	3170	FT	.52	.52	.28	.10	.09	.01	.00	0.37	0.37	-0.16	-0.15	-0.20
599941	A	3171	FT	.58	.58	.09	.22	.07	.04	.00	0.46	0.46	-0.17	-0.20	-0.13
599942	A	3171	FT	.94	.94	.02	.02	.02	.00	.00	0.27	0.27	-0.14	-0.18	-0.13
599943	B	3136	FT	.82	.09	.82	.08	.01	.00	.00	0.36	-0.20	0.36	-0.25	-0.09
599944	C	3170	FT	.82	.13	.03	.82	.02	.00	.00	0.32	-0.22	-0.18	0.32	-0.10
599945	A	3170	FT	.57	.57	.09	.21	.14	.00	.00	0.46	0.46	-0.18	-0.29	-0.15
599946	C	3171	FT	.41	.28	.20	.41	.07	.04	.00	0.38	0.01	-0.26	0.38	-0.08
599947	A	3136	FT	.39	.39	.30	.15	.10	.04	.00	0.43	0.43	-0.22	-0.09	-0.05
599948	C	3136	FT	.45	.28	.18	.45	.09	.00	.00	0.42	-0.30	-0.09	0.42	-0.11
599949	B	3170	FT	.62	.19	.62	.14	.05	.01	.00	0.32	-0.26	0.32	-0.11	-0.04
599950	C	4879	FT	.17	.18	.40	.17	.21	.04	.00	0.18	0.05	-0.04	0.18	-0.02
599951	D	3136	FT	.40	.46	.07	.07	.40	.00	.00	0.25	-0.03	-0.19	-0.20	0.25
599952	B	3170	FT	.61	.03	.61	.07	.30	.00	.00	0.25	-0.15	0.25	-0.22	-0.08
599953	C	3171	FT	.74	.14	.02	.74	.05	.04	.00	0.51	-0.27	-0.18	0.51	-0.16
599954	B	4879	FT	.68	.09	.68	.11	.11	.01	.00	0.44	-0.18	0.44	-0.19	-0.24
599955	B	4879	FT	.54	.26	.54	.10	.06	.04	.00	0.42	-0.15	0.42	-0.21	-0.09

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
599956	D	3136	FT	.21	.12	.31	.35	.21	.00	.00	0.28	-0.17	-0.05	-0.07	0.28
599957	D	3170	FT	.54	.14	.16	.14	.54	.00	.00	0.50	-0.23	-0.25	-0.19	0.50
599958	D	4879	FT	.70	.09	.11	.09	.70	.01	.00	0.48	-0.26	-0.24	-0.18	0.48
599959	A	3171	FT	.39	.39	.31	.12	.18	.00	.00	0.44	0.44	-0.16	-0.24	-0.16
599960	A	3136	FT	.42	.42	.47	.08	.02	.00	.00	0.31	0.31	-0.20	-0.12	-0.10
599961	C	3136	FT	.56	.13	.12	.56	.15	.04	.00	0.50	-0.21	-0.19	0.50	-0.17
599962	B	3170	FT	.37	.12	.37	.31	.15	.04	.00	0.28	-0.10	0.28	-0.05	-0.02
599963	D	3171	FT	.33	.36	.17	.14	.33	.00	.00	0.39	-0.12	-0.15	-0.18	0.39
599964	B	3136	FT	.79	.05	.79	.07	.09	.00	.00	0.44	-0.18	0.44	-0.24	-0.26
599965	A	3170	FT	.65	.65	.23	.06	.06	.00	.00	0.46	0.46	-0.25	-0.23	-0.23
599966	D	4879	FT	.30	.15	.31	.23	.30	.01	.00	0.30	-0.08	-0.15	-0.04	0.30
599967	A	3171	FT	.37	.37	.21	.28	.09	.04	.00	0.25	0.25	-0.11	-0.01	-0.02
599968	D	3171	FT	.86	.04	.08	.02	.86	.00	.00	0.30	-0.10	-0.24	-0.11	0.30
599969	C	4879	FT	.41	.29	.12	.41	.17	.01	.00	0.52	-0.38	-0.03	0.52	-0.13
599970	D	3136	FT	.87	.02	.05	.06	.87	.00	.00	0.23	-0.11	-0.16	-0.08	0.23
599971	B	3170	FT	.45	.16	.45	.25	.14	.00	.00	0.41	-0.09	0.41	-0.22	-0.20
599972	C	3136	FT	.51	.18	.16	.51	.15	.00	.00	0.46	-0.21	-0.12	0.46	-0.27
599973	C	3170	FT	.54	.25	.12	.54	.08	.00	.00	0.35	-0.22	-0.22	0.35	0.00
599974	A	3171	FT	.67	.67	.13	.09	.07	.04	.00	0.44	0.44	-0.22	-0.16	-0.08
599975	B	3136	FT	.73	.04	.73	.09	.09	.04	.00	0.40	-0.15	0.40	-0.21	-0.10
599976	A	3136	FT	.11	.11	.49	.18	.22	.01	.00	0.27	0.27	-0.23	-0.04	0.13
599977	A	4879	FT	.10	.10	.06	.35	.46	.04	.00	0.18	0.18	-0.11	0.15	-0.08
599978	B	3170	FT	.16	.12	.16	.61	.10	.01	.00	0.20	0.07	0.20	-0.14	-0.08
599979	B	3171	FT	.79	.06	.79	.06	.04	.04	.00	0.43	-0.16	0.43	-0.20	-0.12
599980	C	3136	FT	.46	.40	.06	.46	.04	.04	.00	0.55	-0.34	-0.13	0.55	-0.09
599981	D	3171	FT	.44	.24	.14	.18	.44	.01	.00	0.37	-0.23	-0.22	-0.01	0.37
599982	C	4879	FT	.67	.08	.11	.67	.10	.04	.00	0.44	-0.12	-0.25	0.44	-0.13
599983	B	3136	FT	.48	.21	.48	.13	.18	.01	.00	0.53	-0.24	0.53	-0.26	-0.19
599984	B	3170	FT	.63	.12	.63	.14	.11	.00	.00	0.49	-0.19	0.49	-0.27	-0.24
599985	B	3136	FT	.25	.16	.25	.19	.40	.01	.00	0.34	-0.12	0.34	-0.16	-0.07
599986	C	3170	FT	.52	.06	.12	.52	.29	.00	.00	0.41	-0.21	-0.21	0.41	-0.17
599988	B	3171	FT	.41	.08	.41	.12	.35	.04	.00	0.46	-0.20	0.46	-0.14	-0.12
599989	C	3136	FT	.49	.42	.03	.49	.02	.04	.00	0.49	-0.28	-0.16	0.49	-0.11
599990	D	3170	FT	.75	.06	.12	.03	.75	.04	.00	0.51	-0.17	-0.27	-0.15	0.51
599991	C	3171	FT	.60	.29	.05	.60	.04	.00	.00	0.40	-0.28	-0.20	0.40	-0.10
599992	C	4879	FT	.58	.06	.27	.58	.06	.04	.00	0.49	-0.20	-0.21	0.49	-0.20
599993	D	4879	FT	.67	.03	.04	.25	.67	.01	.00	0.42	-0.13	-0.20	-0.27	0.42
599994	B	4879	FT	.67	.05	.67	.20	.07	.01	.00	0.42	-0.15	0.42	-0.20	-0.24
599995	C	3170	FT	.57	.10	.17	.57	.12	.05	.00	0.47	-0.13	-0.27	0.47	-0.09
599996	C	3171	FT	.68	.11	.08	.68	.13	.00	.00	0.40	-0.10	-0.25	0.40	-0.25

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
599997	C	4879	FT	.70	.06	.09	.70	.12	.04	.00	0.50	-0.22	-0.22	0.50	-0.18
599998	D	3171	FT	.39	.30	.06	.21	.39	.04	.00	0.40	-0.03	-0.17	-0.18	0.40
599999	C	3136	FT	.64	.11	.14	.64	.06	.04	.00	0.53	-0.22	-0.25	0.53	-0.16
600000	C	3170	FT	.39	.09	.31	.39	.17	.04	.00	0.33	-0.09	-0.06	0.33	-0.11
600001	B	3171	FT	.54	.12	.54	.23	.11	.01	.00	0.36	-0.11	0.36	-0.21	-0.17
600002	D	3171	FT	.65	.04	.14	.13	.65	.04	.00	0.38	-0.06	-0.14	-0.16	0.38
600003	C	3136	FT	.50	.27	.11	.50	.07	.04	.00	0.38	-0.08	-0.21	0.38	-0.10
600004	D	4879	FT	.84	.03	.04	.05	.84	.04	.00	0.45	-0.17	-0.18	-0.18	0.45
600005	A	3170	FT	.78	.78	.03	.10	.05	.04	.00	0.41	0.41	-0.14	-0.14	-0.17
600006	D	3136	FT	.35	.14	.38	.12	.35	.00	.00	0.35	-0.17	-0.18	-0.04	0.35
600007	D	3170	FT	.30	.36	.19	.10	.30	.05	.00	0.29	0.10	-0.23	-0.08	0.29
600008	A	3171	FT	.68	.68	.07	.05	.20	.00	.00	0.31	0.31	-0.21	-0.19	-0.13
600009	D	4879	FT	.28	.18	.13	.39	.28	.01	.00	0.35	0.02	-0.05	-0.26	0.35
600010	B	3136	FT	.61	.22	.61	.15	.02	.00	.00	0.29	-0.17	0.29	-0.16	-0.05
600011	D	4879	FT	.48	.25	.07	.18	.48	.01	.00	0.34	-0.19	-0.12	-0.09	0.34
600012	D	3170	FT	.52	.09	.13	.26	.52	.00	.00	0.41	-0.21	-0.15	-0.20	0.41
600013	C	3171	FT	.34	.33	.24	.34	.04	.04	.00	0.36	-0.12	-0.07	0.36	-0.10
600014	B	3136	FT	.59	.16	.59	.13	.07	.04	.00	0.41	-0.21	0.41	-0.13	-0.08
600015	B	4879	FT	.48	.21	.48	.23	.04	.04	.00	0.34	-0.12	0.34	-0.10	-0.10
600016	C	4879	FT	.42	.12	.38	.42	.06	.01	.00	0.37	-0.19	-0.15	0.37	-0.10
600017	B	3170	FT	.38	.19	.38	.29	.09	.04	.00	0.37	-0.17	0.37	-0.07	-0.05
600019	A	3171	FT	.39	.39	.21	.16	.23	.01	.00	0.37	0.37	-0.06	-0.14	-0.25
600020	B	3136	FT	.54	.22	.54	.19	.06	.00	.00	0.35	-0.21	0.35	-0.17	-0.07
600021	A	3136	FT	.51	.51	.06	.22	.17	.04	.00	0.49	0.49	-0.17	-0.17	-0.20
600022	B	4879	FT	.46	.36	.46	.12	.02	.04	.00	0.36	-0.09	0.36	-0.19	-0.11
600023	C	3170	FT	.38	.16	.24	.38	.18	.04	.00	0.24	0.00	-0.03	0.24	-0.09
600024	C	4879	FT	.33	.08	.41	.33	.15	.04	.00	0.43	-0.06	-0.26	0.43	-0.01
600025	D	3171	FT	.31	.24	.15	.25	.31	.04	.00	0.48	-0.24	-0.15	0.00	0.48
600026	A	3136	FT	.38	.38	.20	.31	.07	.04	.00	0.39	0.39	0.01	-0.23	-0.11
600027	A	3171	FT	.63	.63	.17	.10	.06	.04	.00	0.46	0.46	-0.16	-0.19	-0.15
600028	B	3136	FT	.74	.05	.74	.16	.01	.04	.00	0.40	-0.18	0.40	-0.18	-0.11
600029	A	3170	FT	.73	.73	.14	.07	.02	.05	.00	0.50	0.50	-0.27	-0.19	-0.10
600030	C	3171	FT	.39	.34	.20	.39	.07	.00	.00	0.26	-0.08	-0.14	0.26	-0.12
600031	A	3136	FT	.63	.63	.08	.05	.24	.00	.00	0.37	0.37	-0.23	-0.21	-0.14
600032	A	4879	FT	.66	.66	.08	.19	.05	.01	.00	0.37	0.37	-0.21	-0.14	-0.18
600033	A	3170	FT	.75	.75	.11	.04	.10	.00	.00	0.39	0.39	-0.25	-0.18	-0.17
600034	C	3170	FT	.84	.04	.06	.84	.06	.00	.00	0.42	-0.17	-0.24	0.42	-0.24
600035	C	3171	FT	.80	.05	.08	.80	.03	.04	.00	0.49	-0.19	-0.24	0.49	-0.15
600036	D	4879	FT	.65	.07	.16	.08	.65	.04	.00	0.54	-0.15	-0.27	-0.22	0.54
600037	B	3136	FT	.69	.07	.69	.12	.07	.04	.00	0.52	-0.22	0.52	-0.22	-0.20

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
600038	A	3170	FT	.39	.39	.11	.14	.31	.04	.00	0.39	0.39	-0.21	-0.15	-0.01
600039	A	4879	FT	.30	.30	.15	.17	.36	.01	.00	0.41	0.41	-0.18	-0.21	-0.04
600040	A	3171	FT	.59	.59	.04	.30	.02	.04	.00	0.50	0.50	-0.19	-0.27	-0.12
600041	C	4879	FT	.51	.07	.14	.51	.26	.01	.00	0.49	-0.16	-0.28	0.49	-0.18
600042	B	3136	FT	.29	.12	.29	.28	.27	.04	.00	0.39	-0.08	0.39	-0.12	-0.08
600043	B	3170	FT	.54	.19	.54	.12	.11	.04	.00	0.42	-0.05	0.42	-0.16	-0.23
600044	A	4879	FT	.49	.49	.22	.08	.17	.04	.00	0.38	0.38	-0.05	-0.20	-0.14
600045	D	3171	FT	.46	.13	.19	.21	.46	.01	.00	0.38	-0.06	-0.20	-0.20	0.38
600046	A	3136	FT	.54	.54	.24	.10	.11	.01	.00	0.40	0.40	-0.14	-0.21	-0.22
600047	B	3136	FT	.36	.11	.36	.27	.21	.04	.00	0.30	-0.04	0.30	-0.15	-0.02
600048	A	3170	FT	.52	.52	.28	.11	.04	.05	.00	0.46	0.46	-0.20	-0.15	-0.11
600049	A	3171	FT	.27	.27	.35	.22	.15	.00	.00	0.20	0.20	-0.02	-0.12	-0.08
600050	D	3136	FT	.33	.12	.30	.24	.33	.01	.00	0.32	-0.14	-0.06	-0.17	0.32
600051	A	4879	FT	.42	.42	.18	.26	.13	.01	.00	0.39	0.39	-0.19	-0.13	-0.11
600052	A	3171	FT	.89	.89	.02	.02	.03	.04	.00	0.40	0.40	-0.14	-0.16	-0.11
600053	A	4879	FT	.90	.90	.05	.02	.01	.01	.00	0.30	0.30	-0.16	-0.13	-0.13
600054	C	3136	FT	.58	.10	.12	.58	.15	.04	.00	0.49	-0.18	-0.26	0.49	-0.11
600055	C	4879	FT	.35	.06	.13	.35	.43	.04	.00	0.44	-0.18	-0.10	0.44	-0.16
600056	C	3170	FT	.77	.05	.08	.77	.05	.04	.00	0.34	-0.16	-0.09	0.34	-0.08
600057	C	4879	FT	.50	.30	.12	.50	.04	.04	.00	0.44	-0.22	-0.12	0.44	-0.11
600058	B	3171	FT	.66	.18	.66	.09	.07	.00	.00	0.42	-0.27	0.42	-0.19	-0.15
600059	A	3171	FT	.21	.21	.36	.27	.12	.04	.00	0.33	0.33	0.12	-0.20	-0.12
600060	C	4879	FT	.23	.14	.24	.23	.37	.01	.00	0.18	-0.13	-0.12	0.18	0.09
600061	A	3171	FT	.54	.54	.14	.18	.09	.04	.00	0.52	0.52	-0.26	-0.15	-0.14
600062	B	3136	FT	.43	.25	.43	.11	.17	.04	.00	0.40	-0.08	0.40	-0.21	-0.09
600063	B	3170	FT	.83	.05	.83	.02	.05	.05	.00	0.47	-0.17	0.47	-0.15	-0.22
600064	D	4879	FT	.49	.06	.19	.25	.49	.01	.00	0.40	-0.15	-0.23	-0.12	0.40
600065	B	3136	FT	.27	.13	.27	.08	.47	.04	.00	0.38	-0.06	0.38	-0.10	-0.13
600066	B	4879	FT	.42	.10	.42	.38	.06	.04	.00	0.43	-0.14	0.43	-0.16	-0.16
600067	D	4879	FT	.17	.08	.23	.51	.17	.01	.00	0.40	0.03	-0.19	-0.12	0.40
600068	A	3170	FT	.26	.26	.25	.07	.37	.05	.00	0.42	0.42	-0.03	-0.18	-0.12
600069	B	3171	FT	.35	.26	.35	.10	.29	.00	.00	0.35	-0.10	0.35	-0.22	-0.12
600070	C	3136	FT	.70	.08	.05	.70	.16	.00	.00	0.30	-0.17	-0.19	0.30	-0.11
600071	B	3170	FT	.83	.08	.83	.06	.03	.00	.00	0.40	-0.18	0.40	-0.27	-0.20
600072	D	3171	FT	.48	.08	.29	.10	.48	.04	.00	0.45	-0.14	-0.16	-0.15	0.45
600073	B	3136	FT	.65	.08	.65	.08	.14	.04	.00	0.52	-0.15	0.52	-0.22	-0.25
600074	A	4879	FT	.48	.48	.30	.07	.12	.04	.00	0.47	0.47	-0.27	-0.19	-0.03
600075	B	3170	FT	.59	.25	.59	.06	.10	.00	.00	0.36	-0.21	0.36	-0.17	-0.13
600076	B	3171	FT	.55	.27	.55	.09	.05	.04	.00	0.50	-0.30	0.50	-0.09	-0.11
600077	D	3136	FT	.56	.26	.07	.07	.56	.04	.00	0.51	-0.25	-0.16	-0.17	0.51

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
600078	B	3136	FT	.31	.19	.31	.24	.22	.04	.00	0.41	-0.01	0.41	-0.04	-0.27
600079	D	3170	FT	.49	.04	.36	.06	.49	.04	.00	0.42	-0.13	-0.15	-0.17	0.42
600080	A	4879	FT	.60	.60	.07	.28	.04	.01	.00	0.33	0.33	-0.15	-0.16	-0.13
600081	A	4879	FT	.80	.80	.07	.04	.05	.04	.00	0.46	0.46	-0.23	-0.19	-0.13
600082	B	3171	FT	.55	.24	.55	.12	.09	.01	.00	0.36	-0.19	0.36	-0.18	-0.13
600083	C	4879	FT	.48	.08	.26	.48	.16	.01	.00	0.51	-0.22	-0.20	0.51	-0.22
600084	B	3136	FT	.77	.15	.77	.04	.05	.00	.00	0.39	-0.30	0.39	-0.20	-0.07
600085	B	3170	FT	.38	.36	.38	.17	.08	.00	.00	0.32	-0.08	0.32	-0.24	-0.06
600086	B	3171	FT	.55	.22	.55	.12	.06	.04	.00	0.44	-0.14	0.44	-0.19	-0.14
600087	A	3136	FT	.71	.71	.14	.06	.05	.04	.00	0.45	0.45	-0.14	-0.21	-0.20
600088	C	3170	FT	.62	.10	.15	.62	.08	.05	.00	0.49	-0.16	-0.20	0.49	-0.18
600089	A	4879	FT	.71	.71	.09	.08	.11	.01	.00	0.29	0.29	-0.11	-0.07	-0.18
600090	A	4879	FT	.65	.65	.26	.03	.03	.04	.00	0.37	0.37	-0.17	-0.17	-0.11
600091	C	3171	FT	.73	.04	.08	.73	.14	.00	.00	0.28	-0.06	-0.16	0.28	-0.20
600092	C	3171	FT	.63	.12	.09	.63	.11	.04	.00	0.44	-0.20	-0.16	0.44	-0.11
600093	A	3136	FT	.45	.45	.32	.13	.05	.04	.00	0.31	0.31	-0.10	-0.09	-0.07
600094	B	3170	FT	.34	.16	.34	.30	.15	.04	.00	0.28	-0.03	0.28	-0.15	0.05
600095	B	3171	FT	.82	.06	.82	.05	.06	.00	.00	0.23	-0.05	0.23	-0.19	-0.13
600096	B	4879	FT	.72	.17	.72	.04	.03	.04	.00	0.36	-0.16	0.36	-0.14	-0.11
600097	B	3170	FT	.40	.19	.40	.29	.12	.00	.00	0.29	-0.24	0.29	-0.05	-0.07
600098	B	3171	FT	.61	.13	.61	.13	.09	.04	.00	0.39	-0.20	0.39	-0.13	-0.04
600099	C	3136	FT	.32	.16	.42	.32	.06	.04	.00	0.35	-0.18	-0.08	0.35	-0.01
600100	B	3170	FT	.24	.27	.24	.33	.12	.04	.00	0.35	-0.23	0.35	0.06	-0.02
600101	D	3171	FT	.24	.30	.27	.19	.24	.00	.00	0.37	-0.11	-0.11	-0.14	0.37
600102	A	3171	FT	.70	.70	.15	.09	.06	.00	.00	0.41	0.41	-0.22	-0.23	-0.17
600103	B	3136	FT	.63	.22	.63	.11	.04	.00	.00	0.29	-0.09	0.29	-0.23	-0.13
600104	C	4879	FT	.46	.13	.21	.46	.17	.04	.00	0.42	-0.19	-0.19	0.42	-0.04
600105	D	3170	FT	.47	.10	.11	.31	.47	.00	.00	0.40	-0.27	-0.20	-0.11	0.40
600106	A	4879	FT	.35	.35	.32	.15	.18	.01	.00	0.31	0.31	-0.08	-0.16	-0.08
600107	B	3170	FT	.37	.18	.37	.25	.16	.05	.00	0.36	-0.12	0.36	-0.06	-0.09
600108	C	3171	FT	.29	.34	.15	.29	.21	.00	.00	0.30	-0.09	-0.18	0.30	-0.06
600109	D	4879	FT	.52	.11	.19	.15	.52	.04	.00	0.47	-0.20	-0.10	-0.23	0.47
600110	A	3171	FT	.41	.41	.22	.26	.08	.04	.00	0.41	0.41	-0.13	-0.10	-0.13
600111	C	3136	FT	.23	.19	.48	.23	.05	.04	.00	0.08	-0.02	0.11	0.08	-0.10
600112	A	3171	FT	.48	.48	.22	.13	.17	.00	.00	0.45	0.45	-0.28	-0.20	-0.11
600113	B	3170	FT	.22	.43	.22	.20	.10	.05	.00	0.01	0.20	0.01	-0.03	-0.08
600114	C	3136	FT	.67	.09	.14	.67	.09	.00	.00	0.39	-0.08	-0.30	0.39	-0.17
600115	A	3170	FT	.65	.65	.11	.17	.07	.00	.00	0.46	0.46	-0.22	-0.28	-0.15
600116	B	4879	FT	.58	.15	.58	.17	.07	.04	.00	0.50	-0.21	0.50	-0.21	-0.13
600117	C	4879	FT	.51	.15	.17	.51	.14	.04	.00	0.49	-0.17	-0.19	0.49	-0.16

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
600118	B	4879	FT	.47	.17	.47	.18	.17	.01	.00	0.28	-0.04	0.28	-0.12	-0.16
600119	D	3170	FT	.73	.09	.07	.11	.73	.00	.00	0.43	-0.19	-0.23	-0.23	0.43
600120	A	3170	FT	.50	.50	.21	.19	.09	.00	.00	0.36	0.36	-0.17	-0.18	-0.12
600121	B	3171	FT	.35	.32	.35	.17	.12	.04	.00	0.32	0.02	0.32	-0.16	-0.11
600122	C	3136	FT	.47	.14	.27	.47	.08	.04	.00	0.38	-0.13	-0.17	0.38	-0.02
600123	C	3170	FT	.43	.20	.18	.43	.14	.04	.00	0.39	-0.05	-0.21	0.39	-0.07
600125	C	3136	FT	.37	.08	.37	.37	.14	.04	.00	0.13	0.10	0.04	0.13	-0.13
600126	B	3170	FT	.63	.05	.63	.10	.18	.05	.00	0.22	-0.03	0.22	-0.12	0.01
600128	A	3171	FT	.31	.31	.17	.12	.36	.04	.00	0.29	0.29	-0.22	-0.18	0.15
600129	C	4879	FT	.51	.17	.15	.51	.13	.04	.00	0.35	-0.07	-0.19	0.35	-0.07
600130	C	4879	FT	.89	.03	.04	.89	.03	.01	.00	0.39	-0.14	-0.22	0.39	-0.20
600131	A	3171	FT	.29	.29	.62	.04	.05	.00	.00	0.35	0.35	-0.19	-0.17	-0.13
600132	A	3136	FT	.14	.14	.04	.04	.78	.00	.00	0.31	0.31	-0.15	-0.14	-0.11
600479	D	3136	FT	.76	.06	.07	.11	.76	.00	.00	0.47	-0.20	-0.19	-0.32	0.47
600480	B	3170	FT	.76	.06	.76	.05	.13	.00	.00	0.40	-0.22	0.40	-0.18	-0.21
600481	C	3171	FT	.65	.12	.12	.65	.07	.04	.00	0.53	-0.17	-0.27	0.53	-0.17
600482	C	3136	FT	.59	.11	.15	.59	.10	.04	.00	0.56	-0.24	-0.19	0.56	-0.24
600483	D	4879	FT	.37	.31	.14	.18	.37	.01	.00	0.50	-0.29	-0.08	-0.16	0.50
600484	A	3170	FT	.51	.51	.13	.11	.24	.01	.00	0.38	0.38	-0.26	-0.14	-0.12
600485	C	4879	FT	.77	.04	.07	.77	.11	.01	.00	0.40	-0.19	-0.19	0.40	-0.20
600487	C	3170	FT	.74	.11	.08	.74	.02	.05	.00	0.45	-0.20	-0.17	0.45	-0.13
600489	A	3171	FT	.45	.45	.21	.18	.16	.00	.00	0.35	0.35	-0.13	-0.19	-0.11
600490	C	3136	FT	.64	.11	.12	.64	.12	.00	.00	0.50	-0.24	-0.25	0.50	-0.24
600491	C	3170	FT	.48	.18	.19	.48	.15	.00	.00	0.49	-0.23	-0.23	0.49	-0.17
600492	B	4879	FT	.71	.10	.71	.13	.02	.04	.00	0.46	-0.20	0.46	-0.22	-0.13
600493	C	3171	FT	.73	.05	.10	.73	.07	.04	.00	0.42	-0.17	-0.18	0.42	-0.10
600494	B	3136	FT	.47	.28	.47	.13	.08	.04	.00	0.42	-0.18	0.42	-0.08	-0.15
600495	A	3170	FT	.74	.74	.04	.09	.09	.05	.00	0.50	0.50	-0.18	-0.19	-0.22
600496	A	4879	FT	.65	.65	.11	.16	.04	.04	.00	0.55	0.55	-0.26	-0.26	-0.14
600497	D	4879	FT	.67	.09	.12	.11	.67	.01	.00	0.55	-0.23	-0.26	-0.27	0.55
600498	C	4879	FT	.30	.35	.24	.30	.06	.04	.00	0.40	-0.10	-0.13	0.40	-0.09
600499	A	3171	FT	.74	.74	.12	.07	.04	.04	.00	0.47	0.47	-0.26	-0.18	-0.07
600500	B	4879	FT	.17	.04	.17	.23	.52	.04	.00	0.26	-0.02	0.26	-0.15	0.06
600501	C	3136	FT	.64	.17	.05	.64	.10	.04	.00	0.31	0.04	-0.17	0.31	-0.22
600502	A	3171	FT	.85	.85	.08	.06	.01	.00	.00	0.29	0.29	-0.14	-0.22	-0.12
600504	C	3136	FT	.72	.07	.04	.72	.17	.00	.00	0.33	-0.18	-0.18	0.33	-0.16
600505	C	4879	FT	.53	.06	.25	.53	.15	.01	.00	0.29	-0.13	-0.03	0.29	-0.22
600879	D	3170	FT	.80	.05	.08	.03	.80	.05	.00	0.46	-0.15	-0.25	-0.11	0.46
600880	A	3170	FT	.42	.42	.12	.42	.04	.00	.00	0.34	0.34	-0.10	-0.20	-0.17
600881	B	4879	FT	.32	.22	.32	.25	.17	.04	.00	0.22	0.02	0.22	-0.11	-0.01

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
600882	B	3170	FT	.31	.26	.31	.22	.17	.04	.00	0.17	0.04	0.17	-0.10	0.03
600883	A	3171	FT	.71	.71	.09	.07	.12	.00	.00	0.31	0.31	-0.13	-0.15	-0.19

Grade 8

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
598850	D	4801	FT	.47	.14	.25	.09	.47	.05	.00	0.48	-0.18	-0.12	-0.17	0.48
598851	A	4801	FT	.33	.33	.10	.45	.10	.01	.00	0.21	0.21	-0.18	0.01	-0.10
600134	C	3191	FT	.75	.06	.13	.75	.06	.00	.00	0.39	-0.22	-0.22	0.39	-0.15
600135	A	3179	FT	.89	.89	.04	.02	.05	.00	.00	0.42	0.42	-0.25	-0.21	-0.24
600136	C	4801	FT	.51	.15	.15	.51	.18	.01	.00	0.45	-0.11	-0.22	0.45	-0.23
600139	A	3184	FT	.53	.53	.23	.11	.08	.05	.00	0.46	0.46	-0.11	-0.19	-0.18
600140	B	4801	FT	.50	.14	.50	.08	.26	.01	.00	0.40	-0.13	0.40	-0.18	-0.21
600141	D	3184	FT	.36	.15	.13	.31	.36	.05	.00	0.21	0.01	-0.16	0.05	0.21
600143	C	3191	FT	.47	.14	.29	.47	.10	.00	.00	0.12	-0.16	0.07	0.12	-0.10
600144	C	3179	FT	.62	.23	.09	.62	.05	.00	.00	0.32	-0.15	-0.16	0.32	-0.21
600148	C	4801	FT	.80	.03	.07	.80	.05	.05	.00	0.49	-0.16	-0.20	0.49	-0.20
600149	A	4801	FT	.74	.74	.09	.08	.07	.01	.00	0.35	0.35	-0.13	-0.19	-0.18
600151	C	3184	FT	.45	.28	.20	.45	.07	.00	.00	0.53	-0.33	-0.21	0.53	-0.12
600152	D	4801	FT	.74	.04	.06	.11	.74	.05	.00	0.54	-0.14	-0.23	-0.26	0.54
600153	A	3191	FT	.75	.75	.10	.05	.06	.05	.00	0.50	0.50	-0.24	-0.18	-0.15
600154	D	3179	FT	.56	.09	.17	.14	.56	.04	.00	0.53	-0.14	-0.30	-0.14	0.53
600155	D	3184	FT	.60	.07	.07	.21	.60	.05	.00	0.51	-0.17	-0.21	-0.19	0.51
600156	C	3191	FT	.62	.18	.10	.62	.10	.00	.00	0.45	-0.20	-0.21	0.45	-0.23
600157	B	3179	FT	.38	.28	.38	.15	.15	.04	.00	0.46	-0.19	0.46	-0.04	-0.18
600158	C	4801	FT	.54	.07	.12	.54	.22	.05	.00	0.45	-0.16	-0.24	0.45	-0.07
600161	A	3184	FT	.42	.42	.32	.13	.09	.05	.00	0.45	0.45	-0.08	-0.19	-0.15
600162	B	3191	FT	.44	.38	.44	.09	.08	.00	.00	0.35	-0.12	0.35	-0.22	-0.16
600163	B	3179	FT	.62	.10	.62	.09	.15	.04	.00	0.38	-0.22	0.38	-0.15	-0.04
600164	C	3184	FT	.79	.03	.12	.79	.01	.05	.00	0.52	-0.19	-0.26	0.52	-0.13
600165	C	4801	FT	.75	.07	.08	.75	.05	.05	.00	0.55	-0.21	-0.25	0.55	-0.21
600166	C	4801	FT	.69	.08	.18	.69	.04	.01	.00	0.44	-0.26	-0.23	0.44	-0.14
600167	A	3191	FT	.70	.70	.11	.12	.07	.00	.00	0.48	0.48	-0.26	-0.25	-0.20
600168	D	3179	FT	.81	.08	.05	.05	.81	.00	.00	0.46	-0.23	-0.23	-0.27	0.46
600169	A	3184	FT	.66	.66	.12	.15	.06	.00	.00	0.41	0.41	-0.19	-0.22	-0.20
600170	B	3191	FT	.82	.03	.82	.08	.02	.05	.00	0.49	-0.17	0.49	-0.25	-0.13
600171	C	3179	FT	.45	.03	.46	.45	.02	.04	.00	0.42	-0.18	-0.22	0.42	-0.08
600172	B	3184	FT	.86	.04	.86	.04	.01	.05	.00	0.45	-0.17	0.45	-0.19	-0.09
600173	A	3184	FT	.89	.89	.03	.02	.05	.00	.00	0.35	0.35	-0.21	-0.19	-0.18
600177	B	3191	FT	.62	.25	.62	.05	.03	.05	.00	0.49	-0.26	0.49	-0.12	-0.15
600178	A	3179	FT	.76	.76	.09	.05	.06	.04	.00	0.46	0.46	-0.20	-0.23	-0.11
600179	B	3184	FT	.68	.08	.68	.13	.07	.05	.00	0.47	-0.21	0.47	-0.18	-0.11
600180	A	3191	FT	.79	.79	.11	.06	.04	.00	.00	0.35	0.35	-0.25	-0.22	-0.04
600181	C	3179	FT	.79	.01	.14	.79	.06	.00	.00	0.31	-0.05	-0.27	0.31	-0.12

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
600183	B	4801	FT	.38	.42	.38	.14	.02	.05	.00	0.39	-0.15	0.39	-0.07	-0.14
600185	C	3184	FT	.77	.02	.10	.77	.11	.00	.00	0.42	-0.15	-0.32	0.42	-0.18
600187	A	3191	FT	.52	.52	.06	.33	.05	.05	.00	0.49	0.49	-0.17	-0.20	-0.18
600189	D	4801	FT	.57	.02	.13	.27	.57	.01	.00	0.44	-0.16	-0.21	-0.24	0.44
600191	B	4801	FT	.51	.17	.51	.15	.12	.05	.00	0.43	-0.04	0.43	-0.21	-0.16
600192	C	3184	FT	.43	.17	.23	.43	.12	.05	.00	0.51	-0.25	-0.11	0.51	-0.11
600194	D	3179	FT	.64	.07	.12	.12	.64	.04	.00	0.52	-0.25	-0.18	-0.20	0.52
600198	C	3191	FT	.75	.06	.12	.75	.07	.00	.00	0.36	-0.20	-0.21	0.36	-0.13
600202	C	3179	FT	.64	.06	.07	.64	.24	.00	.00	0.38	-0.26	-0.24	0.38	-0.15
600203	A	3184	FT	.30	.30	.08	.25	.36	.00	.00	0.21	0.21	-0.21	-0.30	0.20
600204	C	4801	FT	.78	.07	.12	.78	.03	.01	.00	0.38	-0.22	-0.19	0.38	-0.16
600205	B	3191	FT	.61	.09	.61	.14	.12	.05	.00	0.46	-0.18	0.46	-0.13	-0.18
600206	C	3179	FT	.85	.04	.05	.85	.02	.04	.00	0.43	-0.16	-0.18	0.43	-0.17
600207	D	3184	FT	.41	.16	.25	.13	.41	.05	.00	0.44	-0.08	-0.11	-0.19	0.44
600208	B	3191	FT	.45	.14	.45	.12	.29	.00	.00	0.36	-0.20	0.36	-0.18	-0.11
600209	A	3179	FT	.40	.40	.13	.18	.29	.00	.00	0.14	0.14	-0.17	-0.03	0.01
600210	D	4801	FT	.47	.11	.21	.16	.47	.05	.00	0.35	-0.05	-0.08	-0.14	0.35
600211	C	3191	FT	.25	.17	.21	.25	.38	.00	.00	0.18	-0.10	-0.14	0.18	0.04
600212	A	3179	FT	.22	.22	.15	.54	.09	.00	.00	0.15	0.15	-0.18	0.05	-0.08
600215	D	4801	FT	.61	.13	.10	.12	.61	.05	.00	0.37	-0.11	-0.13	-0.11	0.37
600216	B	3179	FT	.35	.23	.35	.38	.04	.00	.00	0.39	-0.28	0.39	-0.07	-0.17
600217	C	3184	FT	.24	.08	.26	.24	.43	.00	.00	0.34	-0.13	-0.28	0.34	0.04
600218	D	3191	FT	.75	.05	.06	.10	.75	.05	.00	0.49	-0.18	-0.17	-0.21	0.49
600219	B	4801	FT	.57	.29	.57	.09	.03	.01	.00	0.23	-0.06	0.23	-0.15	-0.13
600221	A	3179	FT	.60	.60	.14	.16	.06	.04	.00	0.47	0.47	-0.17	-0.19	-0.19
600222	D	3179	FT	.65	.07	.14	.10	.65	.04	.00	0.48	-0.26	-0.15	-0.16	0.48
600223	A	3184	FT	.67	.67	.14	.09	.09	.00	.00	0.27	0.27	-0.09	-0.14	-0.18
600224	C	4801	FT	.56	.31	.08	.56	.04	.01	.00	0.26	-0.09	-0.17	0.26	-0.15
600225	A	3184	FT	.64	.64	.09	.23	.03	.00	.00	0.40	0.40	-0.20	-0.24	-0.15
600226	B	3191	FT	.65	.08	.65	.15	.08	.05	.00	0.50	-0.17	0.50	-0.23	-0.14
600227	C	3179	FT	.80	.05	.06	.80	.05	.04	.00	0.49	-0.19	-0.25	0.49	-0.16
600228	A	3184	FT	.33	.33	.16	.39	.07	.05	.00	0.44	0.44	-0.23	-0.04	-0.11
600229	D	3191	FT	.45	.16	.22	.17	.45	.00	.00	0.35	-0.14	-0.12	-0.18	0.35
600230	C	3184	FT	.69	.12	.12	.69	.02	.05	.00	0.43	-0.07	-0.25	0.43	-0.14
600231	D	4801	FT	.67	.14	.07	.11	.67	.01	.00	0.31	-0.32	-0.23	0.13	0.31
600232	A	4801	FT	.67	.67	.02	.24	.02	.05	.00	0.57	0.57	-0.15	-0.37	-0.15
600233	A	3191	FT	.82	.82	.10	.06	.01	.00	.00	0.42	0.42	-0.32	-0.21	-0.09
600234	B	3179	FT	.27	.35	.27	.36	.02	.00	.00	0.46	-0.06	0.46	-0.31	-0.19
600235	B	3184	FT	.76	.09	.76	.10	.04	.00	.00	0.43	-0.19	0.43	-0.32	-0.15
600236	B	3191	FT	.44	.13	.44	.16	.22	.05	.00	0.49	-0.15	0.49	-0.14	-0.17

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
600237	A	3179	FT	.54	.54	.20	.17	.05	.04	.00	0.49	0.49	-0.17	-0.22	-0.15
600238	A	3184	FT	.71	.71	.15	.07	.02	.05	.00	0.49	0.49	-0.16	-0.26	-0.15
600239	A	4801	FT	.27	.27	.29	.30	.10	.05	.00	0.49	0.49	-0.10	-0.14	-0.11
600240	D	3191	FT	.46	.03	.09	.42	.46	.00	.00	0.44	-0.14	-0.23	-0.24	0.44
600241	B	3179	FT	.29	.21	.29	.33	.17	.00	.00	0.30	0.02	0.30	-0.22	-0.11
600242	B	3184	FT	.70	.12	.70	.12	.06	.00	.00	0.41	-0.17	0.41	-0.27	-0.19
600243	A	3191	FT	.62	.62	.12	.15	.07	.05	.00	0.52	0.52	-0.25	-0.19	-0.15
600244	D	4801	FT	.27	.23	.19	.31	.27	.01	.00	0.38	-0.20	-0.19	0.02	0.38
600245	B	3179	FT	.39	.17	.39	.23	.17	.04	.00	0.42	-0.01	0.42	-0.16	-0.19
600246	B	3179	FT	.61	.06	.61	.14	.19	.00	.00	0.44	-0.15	0.44	-0.22	-0.25
600247	B	3184	FT	.34	.44	.34	.07	.14	.00	.00	0.40	-0.25	0.40	-0.01	-0.17
600248	A	4801	FT	.53	.53	.11	.22	.09	.05	.00	0.53	0.53	-0.14	-0.20	-0.21
600249	C	3191	FT	.36	.22	.20	.36	.17	.05	.00	0.34	0.00	-0.10	0.34	-0.13
600250	C	3179	FT	.46	.14	.10	.46	.26	.04	.00	0.46	-0.20	-0.10	0.46	-0.16
600252	A	3191	FT	.31	.31	.22	.16	.26	.05	.00	0.31	0.31	-0.11	-0.17	0.08
600253	B	3179	FT	.49	.15	.49	.19	.14	.04	.00	0.40	-0.11	0.40	-0.17	-0.10
600254	B	3184	FT	.33	.13	.33	.27	.23	.05	.00	0.23	-0.12	0.23	0.11	-0.09
600255	C	3191	FT	.40	.22	.16	.40	.22	.00	.00	0.14	-0.08	-0.12	0.14	0.03
600256	C	3179	FT	.44	.30	.13	.44	.13	.00	.00	0.28	0.01	-0.24	0.28	-0.18
600257	A	3184	FT	.40	.40	.22	.22	.15	.00	.00	0.38	0.38	-0.13	-0.20	-0.12
600258	C	4801	FT	.63	.04	.16	.63	.12	.05	.00	0.44	-0.14	-0.12	0.44	-0.21
600259	B	3191	FT	.30	.17	.30	.30	.18	.05	.00	0.11	-0.10	0.11	0.24	-0.13
600260	D	3184	FT	.56	.03	.29	.07	.56	.05	.00	0.55	-0.09	-0.25	-0.25	0.55
600261	D	4801	FT	.53	.11	.23	.08	.53	.05	.00	0.54	-0.27	-0.13	-0.21	0.54
600262	C	3191	FT	.36	.27	.20	.36	.17	.00	.00	0.30	-0.08	-0.22	0.30	-0.02
600263	D	3184	FT	.09	.22	.14	.50	.09	.05	.00	0.37	-0.16	-0.16	0.19	0.37
600264	A	4801	FT	.21	.21	.10	.35	.34	.01	.00	0.06	0.06	-0.17	0.01	0.08
600265	B	4801	FT	.24	.11	.24	.17	.47	.01	.00	0.24	-0.03	0.24	-0.18	-0.01
600266	B	3184	FT	.92	.01	.92	.03	.03	.00	.00	0.27	-0.11	0.27	-0.21	-0.12
600267	B	3191	FT	.54	.18	.54	.10	.13	.05	.00	0.51	-0.07	0.51	-0.23	-0.26
600268	C	3179	FT	.83	.02	.09	.83	.02	.04	.00	0.48	-0.14	-0.26	0.48	-0.17
600270	D	4801	FT	.53	.10	.18	.14	.53	.05	.00	0.50	-0.11	-0.18	-0.20	0.50
600272	B	3191	FT	.54	.15	.54	.24	.06	.00	.00	0.39	-0.08	0.39	-0.27	-0.19
600274	A	3179	FT	.58	.58	.15	.16	.10	.00	.00	0.42	0.42	-0.19	-0.18	-0.23
600275	A	3184	FT	.43	.43	.26	.15	.16	.00	.00	0.37	0.37	-0.08	-0.23	-0.19
600279	B	3191	FT	.51	.36	.51	.04	.05	.05	.00	0.55	-0.27	0.55	-0.16	-0.20
600280	D	3179	FT	.56	.30	.06	.05	.56	.04	.00	0.46	-0.16	-0.25	-0.19	0.46
600281	A	4801	FT	.67	.67	.16	.07	.06	.05	.00	0.49	0.49	-0.15	-0.21	-0.21
600282	C	4801	FT	.36	.22	.34	.36	.07	.01	.00	0.23	-0.05	-0.10	0.23	-0.10
600287	C	3179	FT	.94	.03	.02	.94	.02	.00	.00	0.28	-0.16	-0.13	0.28	-0.17

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
600288	B	3184	FT	.82	.11	.82	.05	.02	.00	.00	0.34	-0.21	0.34	-0.16	-0.19
600289	C	3191	FT	.26	.31	.23	.26	.15	.05	.00	0.45	-0.06	-0.15	0.45	-0.10
600292	C	4801	FT	.44	.18	.21	.44	.16	.01	.00	0.51	-0.20	-0.25	0.51	-0.15
600297	D	3179	FT	.47	.10	.08	.34	.47	.00	.00	0.45	-0.18	-0.22	-0.23	0.45
600298	C	4801	FT	.73	.12	.07	.73	.06	.01	.00	0.32	-0.16	-0.22	0.32	-0.04
600299	B	3184	FT	.38	.25	.38	.10	.26	.00	.00	0.40	-0.18	0.40	-0.15	-0.16
600300	A	3191	FT	.63	.63	.21	.07	.04	.05	.00	0.36	0.36	-0.10	-0.15	-0.12
600301	D	3191	FT	.73	.07	.06	.14	.73	.00	.00	0.37	-0.22	-0.19	-0.18	0.37
600302	D	3179	FT	.38	.12	.19	.31	.38	.00	.00	0.48	-0.26	-0.21	-0.13	0.48
600303	C	3184	FT	.72	.06	.18	.72	.03	.00	.00	0.35	-0.19	-0.23	0.35	-0.11
600304	D	3191	FT	.20	.10	.20	.44	.20	.05	.00	0.17	-0.09	-0.13	0.16	0.17
600305	B	3179	FT	.69	.11	.69	.14	.02	.04	.00	0.49	-0.15	0.49	-0.29	-0.12
600306	C	4801	FT	.56	.06	.35	.56	.02	.01	.00	0.45	-0.17	-0.30	0.45	-0.13
600307	D	3184	FT	.41	.23	.15	.15	.41	.05	.00	0.27	0.10	-0.13	-0.14	0.27
600309	A	4801	FT	.39	.39	.30	.14	.16	.01	.00	0.13	0.13	-0.02	0.02	-0.12
600310	B	3191	FT	.28	.08	.28	.29	.31	.05	.00	0.15	-0.19	0.15	0.00	0.11
600311	D	3179	FT	.26	.24	.29	.17	.26	.04	.00	0.38	-0.06	-0.06	-0.15	0.38
600312	A	3184	FT	.43	.43	.12	.33	.08	.05	.00	0.37	0.37	-0.26	0.01	-0.10
600313	C	4801	FT	.39	.24	.13	.39	.19	.05	.00	0.35	-0.02	-0.14	0.35	-0.10
600314	D	3191	FT	.38	.16	.30	.16	.38	.01	.00	0.33	-0.26	0.02	-0.19	0.33
600315	A	3179	FT	.27	.27	.47	.21	.05	.00	.00	0.31	0.31	-0.27	0.07	-0.14
600316	A	3184	FT	.41	.41	.26	.11	.21	.00	.00	0.31	0.31	-0.06	-0.27	-0.09
600317	D	4801	FT	.44	.16	.20	.18	.44	.01	.00	0.41	-0.11	-0.20	-0.17	0.41
600318	B	3179	FT	.77	.05	.77	.13	.05	.00	.00	0.35	-0.19	0.35	-0.25	-0.10
600319	A	4801	FT	.54	.54	.17	.12	.12	.05	.00	0.50	0.50	-0.18	-0.19	-0.14
600320	C	3184	FT	.68	.11	.11	.68	.09	.00	.00	0.44	-0.24	-0.26	0.44	-0.15
600321	C	3191	FT	.65	.05	.06	.65	.19	.05	.00	0.36	-0.12	-0.19	0.36	-0.07
600322	B	4801	FT	.52	.08	.52	.25	.14	.01	.00	0.39	-0.20	0.39	-0.16	-0.16
600323	C	3179	FT	.66	.07	.13	.66	.10	.04	.00	0.43	-0.13	-0.24	0.43	-0.10
600324	C	3184	FT	.92	.01	.02	.92	.00	.05	.00	0.41	-0.12	-0.13	0.41	-0.09
600325	B	3191	FT	.36	.35	.36	.19	.10	.01	.00	0.29	-0.01	0.29	-0.23	-0.11
600326	C	3179	FT	.32	.23	.19	.32	.26	.00	.00	0.36	-0.13	-0.04	0.36	-0.22
600328	C	3184	FT	.32	.21	.22	.32	.24	.00	.00	0.31	-0.05	-0.18	0.31	-0.11
600329	B	3191	FT	.35	.11	.35	.38	.12	.05	.00	0.49	-0.15	0.49	-0.23	-0.01
600330	A	3179	FT	.41	.41	.27	.18	.11	.04	.00	0.36	0.36	0.05	-0.20	-0.21
600332	B	4801	FT	.48	.08	.48	.39	.03	.01	.00	0.43	-0.15	0.43	-0.29	-0.06
600333	B	3184	FT	.43	.12	.43	.30	.09	.05	.00	0.47	-0.10	0.47	-0.27	0.00
600334	B	3191	FT	.33	.18	.33	.35	.14	.00	.00	0.42	-0.20	0.42	-0.18	-0.08
600335	A	4801	FT	.40	.40	.35	.09	.11	.05	.00	0.53	0.53	-0.23	-0.13	-0.12
600337	D	3184	FT	.70	.08	.04	.13	.70	.05	.00	0.48	-0.15	-0.18	-0.19	0.48

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
600338	A	3191	FT	.81	.81	.12	.02	.04	.00	.00	0.28	0.28	-0.16	-0.14	-0.16
600340	C	4801	FT	.23	.06	.57	.23	.09	.05	.00	0.26	-0.13	0.10	0.26	-0.21
600341	D	3179	FT	.25	.08	.38	.29	.25	.00	.00	0.45	-0.14	-0.10	-0.24	0.45
600342	D	3179	FT	.39	.49	.06	.06	.39	.00	.00	0.45	-0.22	-0.20	-0.24	0.45
600343	C	3184	FT	.69	.08	.09	.69	.13	.00	.00	0.29	-0.12	-0.15	0.29	-0.17
600344	A	3191	FT	.55	.55	.11	.16	.14	.05	.00	0.55	0.55	-0.22	-0.27	-0.11
600345	D	3179	FT	.43	.08	.09	.36	.43	.04	.00	0.52	-0.24	-0.10	-0.21	0.52
600346	C	3184	FT	.81	.07	.03	.81	.05	.05	.00	0.50	-0.18	-0.19	0.50	-0.19
600347	D	4801	FT	.42	.11	.23	.19	.42	.05	.00	0.46	-0.15	-0.05	-0.22	0.46
600348	A	4801	FT	.89	.89	.04	.03	.02	.01	.00	0.41	0.41	-0.22	-0.21	-0.19
600349	D	3191	FT	.47	.13	.26	.13	.47	.00	.00	0.47	-0.27	-0.13	-0.24	0.47
600350	D	3179	FT	.61	.11	.13	.14	.61	.00	.00	0.44	-0.21	-0.22	-0.20	0.44
600351	B	4801	FT	.50	.23	.50	.07	.16	.05	.00	0.42	-0.10	0.42	-0.21	-0.12
600352	B	3184	FT	.46	.15	.46	.14	.25	.00	.00	0.33	-0.21	0.33	-0.22	-0.03
600353	C	3191	FT	.61	.05	.25	.61	.05	.05	.00	0.40	-0.13	-0.15	0.40	-0.14
600354	A	3179	FT	.65	.65	.16	.05	.10	.04	.00	0.46	0.46	-0.33	-0.20	0.00
600355	A	3184	FT	.47	.47	.07	.05	.35	.05	.00	0.38	0.38	-0.26	-0.18	0.00
600356	C	3191	FT	.82	.01	.12	.82	.04	.00	.00	0.43	-0.15	-0.35	0.43	-0.13
600357	C	3179	FT	.60	.22	.09	.60	.09	.00	.00	0.19	-0.01	-0.19	0.19	-0.12
600358	A	4801	FT	.62	.62	.15	.08	.14	.01	.00	0.42	0.42	-0.20	-0.25	-0.14
600359	C	3179	FT	.14	.24	.49	.14	.13	.00	.00	-0.10	-0.20	0.35	-0.10	-0.15
600360	B	4801	FT	.62	.20	.62	.10	.08	.01	.00	0.40	-0.16	0.40	-0.24	-0.17
600361	D	3184	FT	.45	.20	.16	.18	.45	.00	.00	0.46	-0.16	-0.28	-0.16	0.46
600362	D	3191	FT	.39	.19	.20	.18	.39	.05	.00	0.51	-0.13	-0.19	-0.14	0.51
600363	D	4801	FT	.54	.12	.14	.15	.54	.05	.00	0.53	-0.21	-0.20	-0.15	0.53
600364	D	4801	FT	.50	.17	.14	.18	.50	.01	.00	0.37	-0.14	-0.14	-0.17	0.37
600365	B	3179	FT	.49	.10	.49	.26	.12	.04	.00	0.52	-0.17	0.52	-0.19	-0.20
600366	D	3184	FT	.39	.16	.13	.27	.39	.05	.00	0.51	-0.11	-0.15	-0.19	0.51
600367	D	3191	FT	.27	.20	.25	.27	.27	.01	.00	0.38	-0.14	-0.20	-0.03	0.38
600368	B	4801	FT	.46	.21	.46	.15	.12	.05	.00	0.37	-0.08	0.37	-0.12	-0.11
600369	D	4801	FT	.37	.19	.16	.23	.37	.05	.00	0.51	-0.09	-0.19	-0.16	0.51
600370	A	4801	FT	.30	.30	.31	.18	.19	.01	.00	0.31	0.31	-0.01	-0.20	-0.11
600371	D	3184	FT	.53	.15	.09	.17	.53	.05	.00	0.56	-0.18	-0.19	-0.21	0.56
600372	A	3191	FT	.30	.30	.22	.26	.21	.00	.00	0.40	0.40	-0.06	-0.17	-0.19
600373	B	3179	FT	.38	.33	.38	.20	.09	.00	.00	0.30	-0.03	0.30	-0.25	-0.10
600374	C	3184	FT	.45	.21	.20	.45	.13	.00	.00	0.26	-0.05	-0.17	0.26	-0.12
600375	D	3191	FT	.39	.12	.28	.17	.39	.05	.00	0.36	-0.06	-0.13	-0.07	0.36
600376	A	3179	FT	.40	.40	.31	.19	.06	.04	.00	0.36	0.36	-0.12	-0.11	-0.08
600377	B	3184	FT	.29	.26	.29	.28	.12	.05	.00	0.15	0.06	0.15	-0.04	0.00
600378	D	3191	FT	.40	.14	.28	.18	.40	.00	.00	0.39	-0.14	-0.19	-0.12	0.39

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
600379	B	3184	FT	.67	.22	.67	.04	.02	.05	.00	0.44	-0.18	0.44	-0.19	-0.12
600380	D	3191	FT	.43	.21	.16	.20	.43	.01	.00	0.41	-0.10	-0.21	-0.19	0.41
600381	A	3179	FT	.78	.78	.02	.03	.17	.00	.00	0.47	0.47	-0.16	-0.15	-0.38
600382	B	4801	FT	.87	.04	.87	.04	.04	.01	.00	0.38	-0.18	0.38	-0.18	-0.20
600383	B	3184	FT	.54	.39	.54	.06	.02	.00	.00	0.42	-0.29	0.42	-0.22	-0.10
600384	B	4801	FT	.73	.01	.73	.05	.16	.05	.00	0.51	-0.13	0.51	-0.14	-0.30
600385	A	4801	FT	.77	.77	.08	.06	.07	.01	.00	0.43	0.43	-0.20	-0.20	-0.22
600386	C	3179	FT	.79	.09	.04	.79	.08	.00	.00	0.49	-0.28	-0.23	0.49	-0.27
600387	D	3184	FT	.68	.05	.20	.08	.68	.00	.00	0.30	-0.14	-0.12	-0.21	0.30
600388	C	4801	FT	.79	.05	.08	.79	.03	.05	.00	0.54	-0.24	-0.24	0.54	-0.16
600389	C	3191	FT	.48	.19	.13	.48	.15	.05	.00	0.26	0.07	-0.19	0.26	-0.06
600390	D	3179	FT	.31	.15	.23	.27	.31	.04	.00	0.45	-0.22	-0.08	-0.08	0.45
600391	B	3191	FT	.22	.12	.22	.19	.47	.00	.00	0.20	0.12	0.20	-0.07	-0.18
600392	C	3179	FT	.16	.12	.11	.16	.61	.00	.00	0.13	-0.16	-0.14	0.13	0.11
600393	A	3184	FT	.24	.24	.08	.60	.07	.00	.00	0.31	0.31	-0.15	-0.16	-0.04
600394	A	3191	FT	.46	.46	.15	.28	.06	.05	.00	0.44	0.44	-0.07	-0.20	-0.14
600395	A	3179	FT	.31	.31	.50	.11	.04	.04	.00	0.38	0.38	-0.13	-0.06	-0.16
600396	A	3184	FT	.12	.12	.30	.37	.15	.05	.00	0.34	0.34	0.17	-0.24	0.01
600506	A	3184	FT	.46	.46	.27	.11	.15	.00	.00	0.37	0.37	-0.18	-0.19	-0.11
600507	A	3179	FT	.60	.60	.18	.08	.11	.04	.00	0.51	0.51	-0.29	-0.18	-0.10
600509	D	3184	FT	.52	.08	.16	.20	.52	.05	.00	0.49	-0.14	-0.24	-0.11	0.49
600510	D	4801	FT	.66	.16	.07	.10	.66	.01	.00	0.51	-0.24	-0.21	-0.27	0.51
600511	B	3191	FT	.25	.32	.25	.29	.09	.05	.00	0.38	0.03	0.38	-0.20	-0.05
600512	B	3179	FT	.50	.24	.50	.11	.12	.04	.00	0.29	0.03	0.29	-0.20	-0.12
600513	C	3184	FT	.53	.07	.20	.53	.15	.05	.00	0.41	-0.12	-0.15	0.41	-0.10
600514	C	4801	FT	.79	.04	.08	.79	.08	.01	.00	0.39	-0.20	-0.17	0.39	-0.22
600515	C	3191	FT	.50	.13	.17	.50	.20	.00	.00	0.41	-0.19	-0.22	0.41	-0.14
600517	C	3179	FT	.71	.07	.13	.71	.08	.00	.00	0.33	-0.13	-0.16	0.33	-0.22
600518	D	3184	FT	.48	.35	.08	.09	.48	.00	.00	0.41	-0.22	-0.18	-0.15	0.41
600519	A	4801	FT	.81	.81	.05	.04	.05	.05	.00	0.51	0.51	-0.21	-0.20	-0.19
600520	D	3191	FT	.27	.49	.05	.15	.27	.05	.00	0.28	0.12	-0.19	-0.21	0.28
600522	B	3191	FT	.64	.10	.64	.14	.12	.00	.00	0.36	-0.18	0.36	-0.12	-0.22
600523	C	3179	FT	.83	.05	.06	.83	.06	.00	.00	0.38	-0.11	-0.26	0.38	-0.24
600524	B	3184	FT	.31	.55	.31	.07	.06	.00	.00	-0.01	0.23	-0.01	-0.24	-0.18
600525	B	3191	FT	.56	.14	.56	.19	.06	.05	.00	0.32	-0.13	0.32	-0.11	0.00
600526	C	4801	FT	.84	.03	.03	.84	.05	.05	.00	0.49	-0.17	-0.17	0.49	-0.22
600528	B	3179	FT	.59	.14	.59	.12	.12	.04	.00	0.26	-0.10	0.26	-0.09	-0.01
603724	A	3191	FT	.59	.59	.20	.09	.07	.05	.00	0.48	0.48	-0.14	-0.18	-0.22
603725	B	3179	FT	.49	.26	.49	.11	.10	.04	.00	0.45	-0.20	0.45	-0.11	-0.14
603726	B	3184	FT	.65	.16	.65	.11	.04	.05	.00	0.49	-0.26	0.49	-0.12	-0.12

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
603727	C	3191	FT	.48	.17	.26	.48	.08	.00	.00	0.29	-0.14	-0.09	0.29	-0.16
603728	B	4801	FT	.49	.26	.49	.12	.08	.05	.00	0.49	-0.18	0.49	-0.17	-0.14

Grade 11

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
598853	C	4163	FT	.38	.16	.29	.38	.16	.01	.00	0.28	-0.14	-0.09	0.28	-0.09
600397	A	2780	FT	.59	.59	.19	.11	.10	.00	.00	0.46	0.46	-0.28	-0.24	-0.11
600399	B	2806	FT	.45	.14	.45	.23	.11	.06	.00	0.28	0.07	0.28	-0.16	-0.05
600402	C	4163	FT	.34	.09	.42	.34	.15	.01	.00	0.43	-0.13	-0.20	0.43	-0.15
600403	D	2761	FT	.18	.24	.25	.26	.18	.07	.00	0.22	0.07	-0.04	-0.04	0.22
600404	D	2780	FT	.14	.14	.37	.28	.14	.07	.00	0.43	-0.03	-0.01	-0.10	0.43
600405	C	2780	FT	.16	.42	.12	.16	.30	.00	.00	0.28	0.05	-0.10	0.28	-0.19
600406	B	2806	FT	.53	.08	.53	.28	.10	.00	.00	0.48	-0.14	0.48	-0.29	-0.20
600410	B	2806	FT	.65	.08	.65	.13	.07	.06	.00	0.44	-0.11	0.44	-0.19	-0.12
600411	B	2761	FT	.33	.42	.33	.09	.10	.07	.00	0.41	-0.14	0.41	-0.09	-0.06
600412	A	2780	FT	.32	.32	.31	.16	.13	.07	.00	0.46	0.46	-0.16	-0.15	0.02
600415	C	2761	FT	.35	.27	.24	.35	.14	.00	.00	0.39	-0.14	-0.11	0.39	-0.21
600417	B	2806	FT	.36	.29	.36	.21	.14	.00	.00	0.39	-0.20	0.39	-0.19	-0.05
600418	C	2761	FT	.57	.12	.20	.57	.10	.00	.00	0.47	-0.15	-0.28	0.47	-0.22
600419	C	2780	FT	.58	.14	.19	.58	.09	.00	.00	0.37	-0.11	-0.26	0.37	-0.12
600420	D	2806	FT	.31	.25	.16	.22	.31	.06	.00	0.20	0.21	-0.10	-0.14	0.20
600421	D	4163	FT	.48	.22	.12	.17	.48	.01	.00	0.46	-0.14	-0.19	-0.25	0.46
600422	C	2761	FT	.51	.08	.24	.51	.10	.07	.00	0.43	-0.10	-0.19	0.43	-0.09
600530	D	2806	FT	.50	.17	.12	.20	.50	.01	.00	0.41	-0.28	-0.19	-0.08	0.41
600531	D	2761	FT	.58	.04	.13	.24	.58	.00	.00	0.34	-0.13	-0.08	-0.25	0.34
600532	A	2780	FT	.49	.49	.20	.12	.19	.00	.00	0.24	0.24	-0.16	-0.17	0.02
600533	A	2806	FT	.16	.16	.50	.23	.05	.06	.00	0.21	0.21	0.20	-0.18	-0.07
600535	A	2806	FT	.30	.30	.50	.15	.05	.00	.00	0.42	0.42	-0.27	-0.13	-0.03
600536	C	2761	FT	.55	.20	.11	.55	.13	.01	.00	0.39	-0.06	-0.27	0.39	-0.23
600537	B	2780	FT	.45	.07	.45	.37	.11	.01	.00	0.40	-0.10	0.40	-0.30	-0.07
600539	A	2780	FT	.38	.38	.24	.18	.13	.07	.00	0.53	0.53	-0.11	-0.22	-0.10
600540	C	4163	FT	.54	.20	.15	.54	.11	.01	.00	0.44	-0.21	-0.25	0.44	-0.10
600541	A	2806	FT	.38	.38	.25	.18	.19	.00	.00	0.37	0.37	-0.18	-0.06	-0.19
600542	D	2780	FT	.32	.23	.11	.33	.32	.00	.00	0.24	0.02	-0.24	-0.08	0.24
600543	B	2806	FT	.52	.16	.52	.09	.16	.06	.00	0.32	-0.03	0.32	-0.14	-0.06
600544	C	2761	FT	.30	.21	.27	.30	.15	.07	.00	0.17	0.01	-0.07	0.17	0.08
600545	D	4163	FT	.34	.19	.22	.24	.34	.01	.00	0.24	-0.14	-0.02	-0.10	0.24
600549	D	4163	FT	.34	.12	.23	.31	.34	.01	.00	0.40	-0.09	-0.17	-0.16	0.40
600550	C	2780	FT	.27	.13	.45	.27	.14	.00	.00	0.25	-0.02	-0.03	0.25	-0.23
600551	C	2806	FT	.55	.06	.11	.55	.21	.06	.00	0.50	-0.13	-0.18	0.50	-0.19
600552	C	4163	FT	.62	.04	.24	.62	.04	.06	.00	0.47	-0.07	-0.25	0.47	-0.10
600553	D	2761	FT	.28	.17	.21	.27	.28	.07	.00	0.47	-0.23	-0.11	0.00	0.47
600554	C	2780	FT	.16	.17	.16	.16	.45	.07	.00	0.09	-0.14	-0.11	0.09	0.30

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
600555	C	2806	FT	.29	.15	.48	.29	.08	.00	.00	0.19	-0.08	-0.04	0.19	-0.12
600556	B	4163	FT	.14	.09	.14	.41	.30	.06	.00	0.18	-0.01	0.18	0.15	-0.09
600557	A	4163	FT	.38	.38	.21	.23	.18	.01	.00	0.25	0.25	-0.16	-0.16	0.06
600558	C	2780	FT	.84	.02	.04	.84	.03	.07	.00	0.43	-0.09	-0.18	0.43	-0.11
600559	B	2806	FT	.43	.22	.43	.22	.12	.00	.00	0.15	-0.08	0.15	-0.06	-0.02
600561	B	2761	FT	.66	.13	.66	.05	.15	.00	.00	0.41	-0.22	0.41	-0.22	-0.19
600562	C	2780	FT	.84	.02	.07	.84	.07	.00	.00	0.34	-0.13	-0.23	0.34	-0.18
600563	C	4163	FT	.65	.09	.13	.65	.07	.06	.00	0.49	-0.15	-0.21	0.49	-0.13
600565	A	2780	FT	.35	.35	.31	.20	.07	.07	.00	0.36	0.36	0.01	-0.19	-0.05
600568	C	4163	FT	.53	.03	.17	.53	.26	.01	.00	0.46	-0.14	-0.29	0.46	-0.19
600569	C	2806	FT	.48	.05	.28	.48	.17	.00	.00	0.21	-0.18	0.06	0.21	-0.23
600571	B	2806	FT	.58	.19	.58	.15	.08	.00	.00	0.39	-0.28	0.39	-0.19	-0.04
600572	A	4163	FT	.53	.53	.16	.16	.15	.01	.00	0.44	0.44	-0.07	-0.23	-0.28
600573	C	2761	FT	.54	.21	.18	.54	.06	.00	.00	0.27	-0.08	-0.18	0.27	-0.11
600574	C	2780	FT	.42	.12	.23	.42	.23	.00	.00	0.35	-0.23	-0.22	0.35	0.00
600575	A	2761	FT	.53	.53	.10	.14	.24	.00	.00	0.44	0.44	-0.13	-0.16	-0.29
600576	A	2780	FT	.73	.73	.09	.11	.06	.00	.00	0.40	0.40	-0.25	-0.19	-0.17
600577	A	4163	FT	.44	.44	.29	.17	.10	.01	.00	0.43	0.43	-0.11	-0.26	-0.18
600578	B	2761	FT	.46	.06	.46	.32	.15	.00	.00	0.53	-0.12	0.53	-0.33	-0.20
600579	B	2761	FT	.37	.29	.37	.19	.08	.07	.00	0.30	-0.04	0.30	-0.11	-0.02
600580	B	2780	FT	.56	.11	.56	.14	.12	.07	.00	0.48	-0.08	0.48	-0.23	-0.12
600581	B	4163	FT	.32	.18	.32	.24	.20	.06	.00	0.31	-0.02	0.31	-0.10	-0.01
600582	C	2806	FT	.28	.22	.36	.28	.14	.01	.00	0.05	0.01	-0.08	0.05	0.04
600583	C	2761	FT	.65	.16	.13	.65	.05	.01	.00	0.37	-0.16	-0.24	0.37	-0.14
600584	A	4163	FT	.35	.35	.30	.20	.15	.01	.00	0.33	0.33	-0.16	-0.08	-0.12
600587	D	2761	FT	.34	.20	.26	.20	.34	.00	.00	0.41	-0.21	-0.21	-0.03	0.41
600590	B	2761	FT	.69	.08	.69	.11	.12	.00	.00	0.46	-0.20	0.46	-0.27	-0.21
600591	D	2780	FT	.40	.15	.27	.18	.40	.00	.00	0.51	-0.12	-0.30	-0.18	0.51
600592	B	4163	FT	.70	.04	.70	.07	.13	.06	.00	0.45	-0.13	0.45	-0.17	-0.13
600593	A	2806	FT	.52	.52	.14	.17	.12	.06	.00	0.57	0.57	-0.23	-0.23	-0.12
600594	C	4163	FT	.64	.16	.12	.64	.08	.01	.00	0.39	-0.16	-0.22	0.39	-0.17
600595	D	2761	FT	.56	.18	.13	.12	.56	.01	.00	0.59	-0.32	-0.25	-0.23	0.59
600596	B	2780	FT	.69	.09	.69	.17	.04	.01	.00	0.45	-0.15	0.45	-0.34	-0.15
600597	C	4163	FT	.60	.06	.22	.60	.06	.06	.00	0.55	-0.20	-0.26	0.55	-0.11
600598	C	2806	FT	.71	.10	.06	.71	.08	.06	.00	0.50	-0.23	-0.19	0.50	-0.13
600599	B	2761	FT	.67	.06	.67	.06	.14	.07	.00	0.47	-0.14	0.47	-0.21	-0.16
600600	C	4163	FT	.47	.19	.23	.47	.11	.01	.00	0.42	-0.21	-0.16	0.42	-0.15
600601	C	2780	FT	.31	.10	.38	.31	.14	.07	.00	0.25	-0.10	0.05	0.25	-0.04
600602	D	2761	FT	.49	.23	.19	.08	.49	.00	.00	0.54	-0.18	-0.33	-0.20	0.54
600603	B	2780	FT	.53	.17	.53	.18	.11	.01	.00	0.33	-0.08	0.33	-0.23	-0.13

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
600604	C	2806	FT	.57	.08	.13	.57	.15	.06	.00	0.44	-0.12	-0.21	0.44	-0.08
600605	B	2761	FT	.43	.29	.43	.16	.06	.07	.00	0.42	-0.08	0.42	-0.19	-0.10
600606	B	2780	FT	.29	.14	.29	.28	.22	.07	.00	0.35	-0.05	0.35	-0.09	-0.02
600607	A	2806	FT	.41	.41	.20	.24	.15	.00	.00	0.47	0.47	-0.20	-0.27	-0.08
600608	D	2761	FT	.31	.08	.36	.23	.31	.00	.00	0.47	-0.10	-0.24	-0.16	0.47
600610	B	2780	FT	.26	.05	.26	.18	.44	.07	.00	0.08	-0.09	0.08	-0.16	0.28
600611	A	4163	FT	.18	.18	.41	.34	.07	.01	.00	0.41	0.41	-0.05	-0.22	-0.07
600613	D	2780	FT	.22	.37	.21	.13	.22	.07	.00	0.47	-0.14	0.00	-0.11	0.47
600614	A	2780	FT	.19	.19	.43	.18	.13	.07	.00	0.30	0.30	0.07	-0.12	-0.04
600615	D	2806	FT	.18	.22	.20	.40	.18	.00	.00	0.20	-0.18	-0.15	0.13	0.20
600616	B	2761	FT	.55	.17	.55	.18	.10	.01	.00	0.32	-0.07	0.32	-0.24	-0.12
600617	A	2780	FT	.53	.53	.24	.10	.13	.00	.00	0.41	0.41	-0.23	-0.21	-0.12
600618	C	2806	FT	.25	.15	.25	.25	.29	.06	.00	0.31	0.01	-0.26	0.31	0.13
600619	D	4163	FT	.64	.09	.12	.09	.64	.06	.00	0.33	0.06	-0.15	-0.15	0.33
600623	B	4163	FT	.33	.35	.33	.15	.12	.06	.00	0.42	-0.08	0.42	-0.08	-0.12
600625	C	2780	FT	.46	.01	.26	.46	.20	.07	.00	0.55	-0.08	-0.15	0.55	-0.27
600626	C	2761	FT	.82	.09	.04	.82	.05	.00	.00	0.20	-0.06	-0.16	0.20	-0.11
600627	C	2780	FT	.76	.06	.05	.76	.13	.01	.00	0.36	-0.18	-0.16	0.36	-0.21
600628	D	2806	FT	.28	.25	.19	.22	.28	.06	.00	0.31	0.01	-0.11	-0.04	0.31
600629	D	2761	FT	.60	.08	.16	.10	.60	.07	.00	0.56	-0.17	-0.24	-0.21	0.56
600630	C	4163	FT	.39	.29	.24	.39	.09	.01	.00	0.33	-0.05	-0.18	0.33	-0.16
600632	D	2780	FT	.43	.19	.17	.14	.43	.07	.00	0.54	-0.08	-0.22	-0.18	0.54
600633	B	2806	FT	.63	.15	.63	.14	.07	.00	.00	0.47	-0.21	0.47	-0.30	-0.15
600634	C	4163	FT	.68	.16	.06	.68	.05	.06	.00	0.51	-0.25	-0.18	0.51	-0.08
600635	C	2761	FT	.53	.13	.24	.53	.10	.00	.00	0.48	-0.26	-0.30	0.48	-0.07
600636	C	2806	FT	.46	.10	.24	.46	.13	.06	.00	0.49	-0.15	-0.22	0.49	-0.07
600637	A	2761	FT	.38	.38	.40	.11	.04	.07	.00	0.47	0.47	-0.16	-0.15	-0.10
600638	D	2780	FT	.52	.18	.06	.16	.52	.07	.00	0.53	-0.18	-0.18	-0.16	0.53
600639	B	4163	FT	.46	.20	.46	.14	.19	.01	.00	0.29	-0.11	0.29	-0.13	-0.11
600641	C	2806	FT	.58	.10	.10	.58	.22	.00	.00	0.44	-0.13	-0.18	0.44	-0.29
600642	B	2761	FT	.39	.26	.39	.08	.26	.00	.00	0.38	-0.16	0.38	-0.01	-0.25
600643	C	2761	FT	.37	.15	.35	.37	.14	.00	.00	0.09	0.02	-0.16	0.09	0.09
600645	B	2780	FT	.33	.33	.33	.12	.21	.00	.00	0.39	-0.35	0.39	-0.03	0.00
600647	B	2780	FT	.43	.06	.43	.30	.20	.01	.00	0.42	-0.06	0.42	-0.27	-0.15
600648	B	2806	FT	.65	.08	.65	.14	.07	.06	.00	0.52	-0.19	0.52	-0.22	-0.14
600650	A	2780	FT	.46	.46	.24	.16	.07	.07	.00	0.38	0.38	-0.03	-0.16	-0.11
600652	D	2806	FT	.50	.11	.18	.21	.50	.00	.00	0.41	-0.18	-0.17	-0.20	0.41
600653	C	4163	FT	.55	.18	.12	.55	.09	.06	.00	0.50	-0.19	-0.16	0.50	-0.12
600654	C	2761	FT	.21	.31	.09	.21	.38	.00	.00	0.05	-0.04	-0.19	0.05	0.12
600656	C	4163	FT	.65	.15	.14	.65	.06	.01	.00	0.29	-0.25	-0.04	0.29	-0.10

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
600658	C	2761	FT	.29	.20	.30	.29	.21	.00	.00	0.44	-0.03	-0.22	0.44	-0.20
600659	C	2780	FT	.20	.36	.21	.20	.22	.01	.00	0.25	0.02	0.01	0.25	-0.26
600660	D	2806	FT	.59	.14	.16	.05	.59	.06	.00	0.58	-0.28	-0.20	-0.15	0.58
600663	B	2761	FT	.47	.18	.47	.14	.15	.07	.00	0.46	-0.20	0.46	-0.01	-0.20
600665	A	2806	FT	.45	.45	.26	.16	.07	.06	.00	0.54	0.54	-0.22	-0.18	-0.07
600666	A	2761	FT	.57	.57	.15	.14	.07	.07	.00	0.40	0.40	-0.13	-0.16	-0.06
600667	B	2780	FT	.32	.24	.32	.20	.18	.07	.00	0.33	0.08	0.33	-0.16	-0.08
600668	A	2806	FT	.56	.56	.11	.09	.23	.00	.00	0.45	0.45	-0.16	-0.17	-0.28
600670	B	2761	FT	.41	.06	.41	.18	.36	.00	.00	0.41	-0.07	0.41	-0.20	-0.22
600672	B	2806	FT	.46	.06	.46	.37	.12	.00	.00	0.45	-0.12	0.45	-0.28	-0.15
600673	C	2761	FT	.54	.06	.11	.54	.29	.00	.00	0.18	-0.09	-0.14	0.18	-0.04
600674	D	4163	FT	.40	.23	.20	.16	.40	.01	.00	0.41	-0.07	-0.17	-0.24	0.41
600675	C	2780	FT	.24	.11	.40	.24	.25	.01	.00	0.30	-0.03	-0.15	0.30	-0.08
600677	A	2806	FT	.62	.62	.18	.07	.07	.06	.00	0.49	0.49	-0.11	-0.21	-0.23
600678	B	4163	FT	.48	.06	.48	.31	.14	.01	.00	0.46	-0.08	0.46	-0.32	-0.16
600679	B	2806	FT	.38	.28	.38	.16	.12	.06	.00	0.38	-0.02	0.38	-0.19	-0.07
600680	C	2761	FT	.66	.04	.06	.66	.17	.07	.00	0.50	-0.11	-0.18	0.50	-0.25
600681	A	4163	FT	.25	.25	.17	.25	.27	.06	.00	0.44	0.44	-0.06	-0.03	-0.15
600682	D	4163	FT	.48	.21	.10	.20	.48	.01	.00	0.35	-0.19	-0.17	-0.09	0.35
600683	D	2780	FT	.14	.29	.38	.12	.14	.07	.00	0.23	0.04	0.09	-0.15	0.23
600684	D	2806	FT	.24	.22	.13	.40	.24	.01	.00	0.42	-0.11	-0.08	-0.21	0.42
600685	C	2761	FT	.64	.11	.07	.64	.18	.00	.00	0.39	-0.07	-0.14	0.39	-0.32
600686	D	2780	FT	.26	.18	.36	.20	.26	.00	.00	0.30	-0.11	-0.14	-0.04	0.30
600689	A	4163	FT	.77	.77	.07	.07	.03	.06	.00	0.47	0.47	-0.16	-0.17	-0.12
600690	C	2806	FT	.61	.07	.09	.61	.17	.06	.00	0.49	-0.12	-0.18	0.49	-0.19
600691	D	2761	FT	.26	.18	.14	.35	.26	.07	.00	0.41	-0.17	-0.05	-0.04	0.41
600693	B	2780	FT	.53	.14	.53	.19	.06	.07	.00	0.51	-0.16	0.51	-0.20	-0.12
600694	A	2806	FT	.68	.68	.07	.20	.05	.00	.00	0.48	0.48	-0.23	-0.31	-0.16
600695	C	2780	FT	.66	.11	.06	.66	.17	.00	.00	0.29	-0.20	-0.19	0.29	-0.08
600696	D	4163	FT	.43	.17	.17	.22	.43	.01	.00	0.47	-0.17	-0.20	-0.19	0.47
600697	C	4163	FT	.37	.10	.22	.37	.25	.06	.00	0.43	-0.19	-0.03	0.43	-0.12
600699	B	2761	FT	.48	.18	.48	.17	.10	.07	.00	0.55	-0.21	0.55	-0.23	-0.10
600702	D	2780	FT	.57	.16	.09	.10	.57	.07	.00	0.55	-0.16	-0.22	-0.18	0.55
600703	A	2780	FT	.56	.56	.25	.10	.08	.00	.00	0.50	0.50	-0.30	-0.20	-0.19
600704	B	2806	FT	.60	.11	.60	.13	.10	.06	.00	0.52	-0.15	0.52	-0.26	-0.13
600705	D	2761	FT	.44	.14	.19	.16	.44	.07	.00	0.55	-0.11	-0.24	-0.16	0.55
600706	D	4163	FT	.49	.12	.17	.16	.49	.06	.00	0.50	-0.12	-0.13	-0.20	0.50
600707	C	2806	FT	.33	.12	.23	.33	.31	.00	.00	0.28	-0.19	-0.02	0.28	-0.11
600708	D	2806	FT	.54	.17	.07	.22	.54	.00	.00	0.60	-0.35	-0.17	-0.29	0.60
600709	C	4163	FT	.64	.11	.15	.64	.08	.01	.00	0.47	-0.21	-0.28	0.47	-0.17

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
600710	C	2806	FT	.37	.29	.19	.37	.15	.00	.00	0.10	0.19	-0.18	0.10	-0.16
600711	A	4163	FT	.44	.44	.07	.39	.05	.06	.00	0.21	0.21	-0.01	-0.03	0.01
600714	A	4163	FT	.46	.46	.27	.17	.09	.01	.00	0.23	0.23	-0.03	-0.13	-0.15
600715	C	2806	FT	.38	.08	.13	.38	.40	.01	.00	0.38	-0.18	-0.13	0.38	-0.17
600718	A	2761	FT	.43	.43	.26	.18	.13	.00	.00	0.44	0.44	-0.27	-0.18	-0.07
600719	A	2806	FT	.17	.17	.46	.07	.23	.06	.00	0.39	0.39	-0.01	-0.15	-0.05
600720	B	4163	FT	.49	.19	.49	.18	.08	.06	.00	0.36	0.01	0.36	-0.17	-0.10
600721	A	2761	FT	.16	.16	.25	.30	.22	.07	.00	0.17	0.17	-0.09	0.04	0.09
600722	C	4163	FT	.32	.20	.27	.32	.16	.06	.00	0.39	0.06	-0.08	0.39	-0.22
600723	D	2761	FT	.25	.14	.27	.28	.25	.07	.00	0.36	-0.09	-0.11	0.00	0.36
600724	C	2780	FT	.57	.11	.17	.57	.09	.07	.00	0.46	-0.13	-0.19	0.46	-0.11
600725	B	2780	FT	.53	.23	.53	.11	.12	.00	.00	0.42	-0.19	0.42	-0.26	-0.12
600726	B	2806	FT	.57	.11	.57	.21	.05	.06	.00	0.53	-0.07	0.53	-0.30	-0.14
600727	A	4163	FT	.44	.44	.30	.18	.07	.01	.00	0.46	0.46	-0.19	-0.24	-0.14
600728	A	2761	FT	.52	.52	.09	.24	.08	.07	.00	0.52	0.52	-0.19	-0.17	-0.18
600730	C	2761	FT	.39	.22	.20	.39	.12	.07	.00	0.51	-0.30	-0.13	0.51	0.02
600731	C	4163	FT	.64	.10	.10	.64	.10	.06	.00	0.46	-0.17	-0.21	0.46	-0.06
600732	B	2780	FT	.55	.12	.55	.18	.08	.07	.00	0.44	-0.06	0.44	-0.18	-0.13
600733	A	4163	FT	.67	.67	.20	.05	.02	.06	.00	0.44	0.44	-0.17	-0.14	-0.12
600735	C	2780	FT	.77	.03	.11	.77	.09	.00	.00	0.37	-0.16	-0.25	0.37	-0.15
600736	C	2806	FT	.78	.07	.06	.78	.02	.06	.00	0.46	-0.11	-0.22	0.46	-0.15
600737	D	2761	FT	.61	.08	.12	.12	.61	.07	.00	0.55	-0.22	-0.25	-0.14	0.55
600739	B	4163	FT	.39	.28	.39	.08	.19	.06	.00	0.30	-0.04	0.30	-0.19	0.02
600740	B	2806	FT	.40	.43	.40	.06	.04	.06	.00	0.54	-0.28	0.54	-0.15	-0.03
600741	C	4163	FT	.45	.12	.26	.45	.12	.06	.00	0.44	-0.09	-0.11	0.44	-0.16
600743	B	4163	FT	.35	.21	.35	.24	.15	.06	.00	0.46	-0.10	0.46	-0.14	-0.08
600744	B	4163	FT	.56	.17	.56	.11	.10	.06	.00	0.41	-0.14	0.41	-0.14	-0.05
600745	A	4163	FT	.40	.40	.29	.22	.09	.01	.00	0.27	0.27	-0.10	-0.15	-0.05
600746	D	4163	FT	.53	.08	.16	.17	.53	.06	.00	0.55	-0.16	-0.19	-0.18	0.55
600747	D	2761	FT	.24	.06	.22	.41	.24	.07	.00	0.23	0.05	0.09	-0.14	0.23
600748	B	4163	FT	.60	.14	.60	.17	.04	.06	.00	0.48	-0.09	0.48	-0.24	-0.13
600751	A	2761	FT	.66	.66	.16	.07	.04	.07	.00	0.49	0.49	-0.25	-0.11	-0.16
600753	D	2780	FT	.42	.11	.16	.24	.42	.07	.00	0.49	-0.07	-0.13	-0.18	0.49
600754	B	2806	FT	.56	.11	.56	.24	.09	.00	.00	0.46	-0.05	0.46	-0.34	-0.21
600755	A	4163	FT	.40	.40	.20	.22	.13	.06	.00	0.48	0.48	-0.15	-0.18	-0.03
600756	D	4163	FT	.21	.09	.43	.26	.21	.01	.00	0.44	-0.16	-0.18	-0.07	0.44
600757	B	2806	FT	.29	.49	.29	.11	.05	.06	.00	0.30	0.06	0.30	-0.21	-0.08
600758	C	2761	FT	.52	.13	.17	.52	.11	.07	.00	0.44	-0.08	-0.20	0.44	-0.12
600759	B	2780	FT	.41	.33	.41	.09	.10	.07	.00	0.51	-0.17	0.51	-0.12	-0.15
600760	A	2780	FT	.47	.47	.33	.10	.10	.01	.00	0.37	0.37	-0.20	-0.18	-0.10

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
600761	D	2806	FT	.09	.06	.16	.63	.09	.06	.00	0.16	-0.08	-0.01	0.13	0.16
600762	B	2806	FT	.37	.23	.37	.11	.23	.06	.00	0.54	-0.06	0.54	-0.20	-0.21
600765	C	4163	FT	.70	.10	.05	.70	.15	.01	.00	0.30	-0.21	-0.17	0.30	-0.07
600767	B	2761	FT	.48	.22	.48	.17	.13	.01	.00	0.19	0.09	0.19	-0.21	-0.15
600768	B	2780	FT	.44	.29	.44	.17	.10	.00	.00	0.32	-0.08	0.32	-0.23	-0.10
600769	D	2806	FT	.57	.12	.08	.17	.57	.06	.00	0.36	-0.15	-0.12	-0.03	0.36
600770	B	2780	FT	.38	.16	.38	.17	.28	.00	.00	0.28	-0.17	0.28	-0.23	0.03
600771	D	2806	FT	.54	.11	.14	.15	.54	.06	.00	0.44	-0.09	-0.17	-0.13	0.44
600772	B	4163	FT	.38	.16	.38	.15	.31	.01	.00	0.36	-0.11	0.36	-0.22	-0.10
600773	A	2761	FT	.25	.25	.28	.34	.05	.07	.00	0.30	0.30	-0.10	0.02	-0.04
600774	D	2780	FT	.73	.06	.06	.08	.73	.07	.00	0.49	-0.14	-0.19	-0.18	0.49
600775	D	2806	FT	.71	.09	.09	.10	.71	.00	.00	0.43	-0.30	-0.21	-0.14	0.43
600776	C	2761	FT	.43	.06	.12	.43	.38	.00	.00	0.17	-0.20	-0.19	0.17	0.07
600777	D	2780	FT	.56	.21	.12	.11	.56	.00	.00	0.31	-0.06	-0.19	-0.20	0.31
600779	D	2806	FT	.30	.11	.36	.23	.30	.00	.00	0.46	-0.15	-0.22	-0.13	0.46
600780	B	2761	FT	.59	.20	.59	.09	.11	.00	.00	0.22	-0.16	0.22	-0.10	-0.03
600781	B	4163	FT	.58	.20	.58	.10	.06	.06	.00	0.37	-0.09	0.37	-0.16	-0.03
600782	C	2780	FT	.52	.39	.05	.52	.03	.00	.00	0.54	-0.41	-0.23	0.54	-0.04
600784	C	2780	FT	.49	.05	.28	.49	.11	.07	.00	0.43	-0.13	-0.16	0.43	-0.07
600786	C	2806	FT	.37	.25	.32	.37	.06	.00	.00	0.32	-0.04	-0.25	0.32	-0.06
600787	A	2761	FT	.31	.31	.29	.17	.23	.01	.00	0.41	0.41	-0.23	-0.02	-0.17
600789	B	2806	FT	.25	.14	.25	.42	.19	.01	.00	0.16	-0.04	0.16	-0.04	-0.08
600791	A	2761	FT	.24	.24	.30	.31	.14	.00	.00	0.19	0.19	-0.08	-0.05	-0.05
600792	B	2780	FT	.34	.35	.34	.26	.04	.00	.00	0.34	-0.10	0.34	-0.21	-0.10
600793	B	4163	FT	.33	.11	.33	.24	.26	.06	.00	0.15	0.01	0.15	-0.09	0.13
600794	D	4163	FT	.29	.23	.23	.24	.29	.01	.00	0.41	-0.07	-0.17	-0.17	0.41
600795	B	2806	FT	.57	.06	.57	.25	.06	.06	.00	0.48	-0.08	0.48	-0.26	-0.09
600796	A	2761	FT	.19	.19	.42	.24	.09	.07	.00	0.40	0.40	-0.06	-0.10	-0.01
600798	C	2780	FT	.49	.09	.27	.49	.08	.07	.00	0.35	-0.10	-0.07	0.35	-0.08
600799	B	4163	FT	.36	.15	.36	.30	.12	.06	.00	0.29	-0.02	0.29	-0.09	0.00
600800	D	2806	FT	.47	.17	.21	.15	.47	.00	.00	0.32	-0.15	-0.18	-0.08	0.32
600805	B	2806	FT	.62	.10	.62	.09	.13	.06	.00	0.51	-0.20	0.51	-0.17	-0.17
600806	D	2761	FT	.48	.15	.14	.17	.48	.07	.00	0.55	-0.21	-0.21	-0.14	0.55
600807	D	2780	FT	.23	.12	.51	.07	.23	.07	.00	0.47	-0.02	-0.14	-0.12	0.47
600809	D	2761	FT	.56	.07	.21	.09	.56	.07	.00	0.57	-0.22	-0.23	-0.19	0.57
600810	B	2780	FT	.55	.20	.55	.13	.05	.07	.00	0.41	-0.04	0.41	-0.21	-0.12
600812	D	2806	FT	.50	.18	.18	.13	.50	.01	.00	0.58	-0.27	-0.24	-0.24	0.58
600819	D	2761	FT	.45	.08	.18	.22	.45	.07	.00	0.52	-0.13	-0.17	-0.18	0.52
600821	C	4163	FT	.32	.15	.42	.32	.04	.06	.00	0.21	-0.07	0.09	0.21	-0.12
600830	C	2780	FT	.42	.22	.09	.42	.20	.07	.00	0.43	-0.01	-0.14	0.43	-0.19

GENERAL		COUNTS	Item	PROPORTIONS							CORRELATIONS				
ItemID	Key	N.	Type	PValue	A	B	C	D	-	*	Total	A	B	C	D
600831	C	2761	FT	.44	.08	.27	.44	.15	.07	.00	0.35	-0.20	-0.12	0.35	0.03
600832	A	4163	FT	.40	.40	.16	.37	.06	.01	.00	0.26	0.26	-0.09	-0.12	-0.11

Appendix I: Reading Differential Item Functioning

Grade 3

GENERAL		COUNTS	Item Type	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.		NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
562867	A	21563	OP	10535	A-	447	B+	479	A+	1785	A+	3309	A+
562871	D	21563	OP	10535	A+	447	A+	479	A+	1785	A+	3309	A+
562872	B	21563	OP	10535	A-	447	A-	479	A+	1785	A-	3309	A-
562874	D	21563	OP	10535	A-	447	A-	479	A+	1785	A+	3309	A-
562882	D	21563	OP	10535	A-	447	B-	479	B-	1785	A-	3309	B-
562886	A	21563	OP	10535	A+	447	A-	479	A-	1785	B+	3309	A+
562888	B	21563	OP	10535	A-	447	A-	479	A-	1785	A+	3309	A-
562889	B	21563	OP	10535	A+	447	A+	479	A+	1785	A+	3309	A+
562909	A	21563	OP	10535	A-	447	A-	479	A-	1785	A+	3309	A-
562917	C	21563	OP	10535	A-	447	A-	479	A-	1785	A+	3309	A-
562920	D	21563	OP	10535	A-	447	A+	479	A+	1785	A+	3309	A-
562927	B	21563	OP	10535	A+	447	A+	479	A-	1785	A+	3309	A+
562930	B	21563	OP	10535	A-	447	A-	479	A+	1785	A+	3309	A+
562931	C	21563	OP	10535	A+	447	A+	479	A-	1785	A-	3309	A+
562995	B	21563	OP	10535	A+	447	A-	479	A-	1785	A-	3309	A-
562999	A	21563	OP	10535	A-	447	A-	479	A+	1785	A-	3309	A-
563004	D	21563	OP	10535	A-	447	A+	479	A-	1785	A-	3309	A-
563006	C	21563	OP	10535	A+	447	A-	479	A-	1785	A-	3309	A-
563018	B	21563	OP	10535	A-	447	A-	479	A+	1785	A+	3309	A+
563021	D	21563	OP	10535	A-	447	A+	479	A+	1785	A+	3309	A+
563024	C	21563	OP	10535	A+	447	A+	479	A-	1785	A+	3309	A+
563025	A	21563	OP	10535	A+	447	A-	479	A-	1785	A-	3309	A-
563036	B	21563	OP	10535	A-	447	A-	479	A+	1785	A+	3309	A-

GENERAL		COUNTS	Item Type	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.		NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
563043	A	21563	OP	10535	A+	447	A+	479	A+	1785	A+	3309	A+
563045	C	21563	OP	10535	A+	447	A-	479	A+	1785	A+	3309	A+
563098	B	21563	OP	10535	A+	447	A+	479	A+	1785	A+	3309	A+
563108	B	21563	OP	10535	A-	447	A+	479	A-	1785	A-	3309	A-
563112	A	21563	OP	10535	A+	447	B-	479	B-	1785	A-	3309	B-
563115	A	21563	OP	10535	A-	447	A+	479	B+	1785	A+	3309	A+
563118	A	21563	OP	10535	A+	447	A+	479	A+	1785	A+	3309	A+
563119	C	21563	OP	10535	A+	447	A+	479	A-	1785	A-	3309	A+
563122	A	21563	OP	10535	A+	447	A-	479	A+	1785	A+	3309	A-
563124	C	21563	OP	10535	A+	447	A-	479	A-	1785	A+	3309	A+
563126	B	21563	OP	10535	A+	447	A-	479	A-	1785	A-	3309	A+
563127	D	21563	OP	10535	A-	447	A-	479	B-	1785	A-	3309	A-
563142	C	21563	OP	10535	A+	447	A-	479	A-	1785	A+	3309	A-
563143	D	21563	OP	10535	A+	447	A+	479	A+	1785	A-	3309	A+
565092	C	21563	OP	10535	A+	447	A-	479	A+	1785	A-	3309	A-
565093	C	21563	OP	10535	A+	447	A-	479	A+	1785	A-	3309	A+
565108	D	21563	OP	10535	A+	447	A-	479	A-	1785	A-	3309	A-
565109	D	21563	OP	10535	A+	447	A+	479	A+	1785	A+	3309	A+
565111	B	21563	OP	10535	A-	447	A-	479	A-	1785	A-	3309	A-
565112	C	21563	OP	10535	A+	447	A+	479	A-	1785	A-	3309	A-
565114	A	21563	OP	10535	A-	447	A+	479	A+	1785	A-	3309	A+
565135	A	21563	OP	10535	A-	447	A-	479	A-	1785	A+	3309	A+
602276	B	3569	FT	1717	A+	69		66		276	A-	517	A-
602277	A	3569	FT	1717	A+	69		66		276	A-	517	A-
602278	B	3569	FT	1717	A-	69		66		276	A-	517	A-
602279	B	3569	FT	1717	A-	69		66		276	A-	517	A-
602280	B	3569	FT	1717	A-	69		66		276	A-	517	A-
602281	C	3569	FT	1717	A-	69		66		276	A-	517	A-

GENERAL		COUNTS	Item Type	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.		NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
602282	C	3569	FT	1717	A-	69		66		276	A+	517	A+
602284	D	3569	FT	1717	A-	69		66		276	A+	517	A+
602286	A	3569	FT	1717	A-	69		66		276	A-	517	A-
602289	D	3569	FT	1717	A+	69		66		276	A-	517	A+
602290	D	7457	FT	3589	A+	201	A-	186		566	A+	1344	A+
602291	A	7457	FT	3589	A+	201	A-	186		566	A-	1344	A-
602292	D	7457	FT	3589	A+	201	A-	186		566	A-	1344	A-
602294	C	7457	FT	3589	A+	201	A-	186		566	A+	1344	A+
602295	D	7457	FT	3589	A-	201	A-	186		566	A-	1344	A+
602296	B	7457	FT	3589	A-	201	A+	186		566	A-	1344	A-
602297	C	7457	FT	3589	A-	201	A+	186		566	A-	1344	A-
602299	A	7457	FT	3589	A-	201	A-	186		566	A-	1344	A-
602302	A	7457	FT	3589	A+	201	B-	186		566	A-	1344	A-
602304	B	7457	FT	3589	A-	201	A-	186		566	A-	1344	A-
602308	B	3491	FT	1710	A+	63		67		306	A-	480	A+
602309	C	3491	FT	1710	A-	63		67		306	A-	480	A-
602310	C	3491	FT	1710	A+	63		67		306	A-	480	A+
602311	B	3491	FT	1710	A+	63		67		306	A-	480	A-
602312	C	3491	FT	1710	A-	63		67		306	A-	480	A-
602316	A	3491	FT	1710	A+	63		67		306	A+	480	A+
602318	D	3491	FT	1710	A-	63		67		306	A-	480	A+
602319	B	3491	FT	1710	A-	63		67		306	A+	480	A-
602320	C	3491	FT	1710	A+	63		67		306	A-	480	A+
602324	B	3491	FT	1710	A+	63		67		306	A-	480	A+
602325	D	3537	FT	1745	A+	59		72		311	A+	496	A-
602326	A	3537	FT	1745	A-	59		72		311	A+	496	A-
602328	D	3537	FT	1745	A+	59		72		311	A-	496	A+
602330	C	3537	FT	1745	B+	59		72		311	A-	496	A+

GENERAL		COUNTS	Item Type	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.		NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
602331	A	3537	FT	1745	A+	59		72		311	A-	496	A+
602332	A	3537	FT	1745	A+	59		72		311	A-	496	A+
602333	B	3537	FT	1745	A+	59		72		311	A-	496	A+
602334	A	3537	FT	1745	A-	59		72		311	A-	496	A-
602337	D	3537	FT	1745	A+	59		72		311	A+	496	A+
602339	B	3537	FT	1745	A+	59		72		311	A-	496	A-
602341	C	3509	FT	1774	A-	55		88		326	A-	472	A-
602342	B	3509	FT	1774	A+	55		88		326	A-	472	A-
602343	A	3509	FT	1774	A-	55		88		326	A-	472	A-
602344	B	3509	FT	1774	A+	55		88		326	A-	472	B-
602345	A	3509	FT	1774	A+	55		88		326	A+	472	A-
602348	B	3509	FT	1774	A+	55		88		326	A-	472	A-
602349	C	3509	FT	1774	A+	55		88		326	A-	472	A-
602352	A	3509	FT	1774	A-	55		88		326	A-	472	A+
602354	B	3509	FT	1774	A+	55		88		326	A-	472	A-
602356	D	3509	FT	1774	A+	55		88		326	A-	472	A-

Grade 4

GENERAL		COUNTS	Item Type	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.		NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
563202	A	21208	OP	10323	A+	422	A+	469	A+	1739	A+	3172	A+
563203	C	21208	OP	10323	A+	422	A+	469	A-	1739	A+	3172	A+
563204	B	21208	OP	10323	A-	422	A-	469	A-	1739	A-	3172	A-
563206	A	21208	OP	10323	A+	422	A-	469	B-	1739	A-	3172	A+
563209	C	21208	OP	10323	A+	422	B+	469	B+	1739	A+	3172	B+
563217	B	21208	OP	10323	A+	422	A-	469	A-	1739	A+	3172	A+
563218	A	21208	OP	10323	A+	422	A+	469	A+	1739	A+	3172	A+
563222	D	21208	OP	10323	A+	422	A+	469	B+	1739	A+	3172	A+
563224	D	21208	OP	10323	A+	422	A-	469	A-	1739	A+	3172	A+
563227	B	21208	OP	10323	A-	422	A+	469	A+	1739	A+	3172	A+
563229	B	21208	OP	10323	A+	422	A+	469	A+	1739	A+	3172	A+
563231	C	21208	OP	10323	A-	422	A+	469	A-	1739	A-	3172	A+
563236	A	21208	OP	10323	A+	422	A+	469	A+	1739	A+	3172	A+
563237	D	21208	OP	10323	A-	422	A-	469	A-	1739	A-	3172	A+
563238	D	21208	OP	10323	A-	422	A+	469	A-	1739	A-	3172	A+
563245	D	21208	OP	10323	A+	422	A+	469	A+	1739	A+	3172	A+
563249	B	21208	OP	10323	A-	422	A-	469	A+	1739	A-	3172	A-
563257	B	21208	OP	10323	A+	422	A-	469	A+	1739	A-	3172	A-
563258	D	21208	OP	10323	A-	422	A+	469	A+	1739	A+	3172	A+
563283	D	21208	OP	10323	A-	422	B-	469	A-	1739	A-	3172	B-
563293	B	21208	OP	10323	A+	422	A-	469	A-	1739	A-	3172	A-
563297	D	21208	OP	10323	A+	422	A-	469	A+	1739	A-	3172	A+
563299	A	21208	OP	10323	A-	422	A+	469	A+	1739	A+	3172	A+
563359	D	21208	OP	10323	A-	422	A-	469	A-	1739	A-	3172	A-
563360	A	21208	OP	10323	A+	422	A-	469	A+	1739	A-	3172	A+
563361	C	21208	OP	10323	A-	422	A+	469	A+	1739	A-	3172	A+
563362	A	21208	OP	10323	A+	422	A-	469	C-	1739	A-	3172	A+

GENERAL		COUNTS	Item Type	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.		NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
563370	B	21208	OP	10323	A-	422	A+	469	A-	1739	A+	3172	A+
563374	D	21208	OP	10323	A+	422	A-	469	A-	1739	A-	3172	A-
563377	C	21208	OP	10323	A-	422	A-	469	A+	1739	A-	3172	A-
563382	C	21208	OP	10323	A+	422	A+	469	A-	1739	A+	3172	A-
563383	B	21208	OP	10323	A+	422	A+	469	A+	1739	A+	3172	A-
563384	A	21208	OP	10323	A+	422	A-	469	A-	1739	A-	3172	A+
563388	D	21208	OP	10323	B+	422	A+	469	A-	1739	A-	3172	A+
563392	A	21208	OP	10323	A+	422	A-	469	A-	1739	A+	3172	A-
563417	C	21208	OP	10323	A-	422	A+	469	A+	1739	A-	3172	A+
563418	C	21208	OP	10323	A+	422	A+	469	A-	1739	A-	3172	A+
563424	A	21208	OP	10323	A+	422	A-	469	A+	1739	A+	3172	A+
563432	D	21208	OP	10323	A-	422	A-	469	A+	1739	A-	3172	A-
565123	C	21208	OP	10323	A+	422	A-	469	A+	1739	A-	3172	A-
565126	D	21208	OP	10323	A+	422	A+	469	A-	1739	A+	3172	A+
565130	D	21208	OP	10323	A-	422	A-	469	A-	1739	A-	3172	A+
565141	B	21208	OP	10323	B-	422	A-	469	A+	1739	B-	3172	A-
565174	C	21208	OP	10323	A+	422	A+	469	A-	1739	A-	3172	A-
565176	C	21208	OP	10323	A+	422	A+	469	A-	1739	A+	3172	A-
602360	A	3476	FT	1694	A-	74		90		292	B-	462	A-
602361	B	3476	FT	1694	A+	74		90		292	A+	462	A+
602363	B	3476	FT	1694	A+	74		90		292	A-	462	A-
602366	D	3476	FT	1694	A-	74		90		292	A+	462	A+
602367	B	3476	FT	1694	A+	74		90		292	A-	462	A+
602369	C	3476	FT	1694	A-	74		90		292	A-	462	A-
602370	A	3476	FT	1694	A-	74		90		292	A+	462	A-
602373	B	3476	FT	1694	A+	74		90		292	B-	462	A-
602375	B	3476	FT	1694	A+	74		90		292	A-	462	A+
602376	A	3476	FT	1694	A+	74		90		292	B-	462	A-

GENERAL		COUNTS	Item Type	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.		NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
602377	D	3422	FT	1682	A+	63		78		298	A-	469	A-
602378	A	3422	FT	1682	A+	63		78		298	A+	469	A+
602379	B	3422	FT	1682	A+	63		78		298	A+	469	A+
602380	D	3422	FT	1682	A+	63		78		298	B-	469	B-
602381	B	3422	FT	1682	A+	63		78		298	A-	469	A-
602382	C	3422	FT	1682	A+	63		78		298	A-	469	A+
602384	B	3422	FT	1682	A+	63		78		298	A+	469	A-
602385	A	3422	FT	1682	A+	63		78		298	A-	469	A-
602387	A	3422	FT	1682	A+	63		78		298	B-	469	A+
602389	C	3422	FT	1682	A+	63		78		298	A-	469	C-
602393	B	3450	FT	1691	A-	52		67		300	A+	458	A-
602395	B	3450	FT	1691	A-	52		67		300	A-	458	A-
602396	C	3450	FT	1691	A-	52		67		300	A-	458	A+
602397	A	3450	FT	1691	A+	52		67		300	A-	458	C-
602398	C	3450	FT	1691	A-	52		67		300	A-	458	C-
602399	D	3450	FT	1691	A-	52		67		300	B-	458	A-
602400	D	3450	FT	1691	A+	52		67		300	A-	458	A-
602401	C	3450	FT	1691	A-	52		67		300	A-	458	A+
602407	B	3450	FT	1691	B-	52		67		300	B-	458	C-
602408	C	3450	FT	1691	A-	52		67		300	A-	458	B-
602429	A	7370	FT	3586	A-	163		156		537	A-	1301	A-
602430	A	7370	FT	3586	A-	163		156		537	B-	1301	B-
602432	D	7370	FT	3586	A-	163		156		537	A-	1301	A-
602434	A	7370	FT	3586	A-	163		156		537	A-	1301	A+
602435	D	7370	FT	3586	A+	163		156		537	A-	1301	A-
602436	C	7370	FT	3586	A+	163		156		537	A-	1301	A-
602437	B	7370	FT	3586	A-	163		156		537	A-	1301	A-
602440	A	7370	FT	3586	A-	163		156		537	A-	1301	A-

GENERAL		COUNTS	Item Type	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.		NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
602442	A	7370	FT	3586	A+	163		156		537	A+	1301	A+
602443	B	7370	FT	3586	A-	163		156		537	A-	1301	B-
602446	D	3490	FT	1670	B-	70		78		312	B-	482	A-
602447	A	3490	FT	1670	A-	70		78		312	A-	482	A-
602449	D	3490	FT	1670	A-	70		78		312	C-	482	A-
602450	B	3490	FT	1670	A+	70		78		312	B-	482	A-
602452	C	3490	FT	1670	A-	70		78		312	A-	482	A+
602455	A	3490	FT	1670	A-	70		78		312	A+	482	A-
602456	D	3490	FT	1670	A-	70		78		312	A-	482	A-
602457	A	3490	FT	1670	A-	70		78		312	B-	482	B-
602460	C	3490	FT	1670	A+	70		78		312	A-	482	A-
602461	D	3490	FT	1670	A-	70		78		312	A-	482	A+

Grade 5

GENERAL		COUNTS	Item Type	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.		NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
563480	A	20761	OP	10134	A+	385	A+	491	A+	1635	A-	3056	A+
563484	B	20761	OP	10134	A-	385	B-	491	C-	1635	B-	3056	C-
563492	B	20761	OP	10134	A-	385	A+	491	A-	1635	A+	3056	A+
563501	C	20761	OP	10134	A+	385	A-	491	A-	1635	A+	3056	A+
563503	B	20761	OP	10134	A+	385	A+	491	A-	1635	A-	3056	A-
563505	A	20761	OP	10134	A-	385	A-	491	A-	1635	A-	3056	A-
563512	C	20761	OP	10134	A-	385	A-	491	A-	1635	A+	3056	A+
563514	A	20761	OP	10134	A+	385	A-	491	B-	1635	A-	3056	A-
563516	D	20761	OP	10134	A-	385	A+	491	A+	1635	A-	3056	A-
563518	D	20761	OP	10134	A-	385	A-	491	A+	1635	A+	3056	A+
563519	C	20761	OP	10134	A-	385	A+	491	A-	1635	A-	3056	A-
563525	C	20761	OP	10134	A-	385	A-	491	A+	1635	A-	3056	A-
563528	D	20761	OP	10134	A-	385	A+	491	A+	1635	A-	3056	A+
563529	C	20761	OP	10134	A+	385	A-	491	B+	1635	A+	3056	A+
563553	A	20761	OP	10134	A+	385	A-	491	A-	1635	A-	3056	B-
563556	D	20761	OP	10134	A-	385	A+	491	A+	1635	A+	3056	A-
563558	A	20761	OP	10134	A+	385	A+	491	A-	1635	A-	3056	A-
563563	B	20761	OP	10134	A+	385	A-	491	A-	1635	A-	3056	A-
563566	A	20761	OP	10134	A+	385	A-	491	A-	1635	A-	3056	A-
563567	B	20761	OP	10134	A+	385	A+	491	B+	1635	A+	3056	A+
563568	C	20761	OP	10134	A+	385	A-	491	B+	1635	A+	3056	A+
563569	C	20761	OP	10134	A+	385	A+	491	A-	1635	A+	3056	A+
563571	B	20761	OP	10134	A-	385	A-	491	A-	1635	A+	3056	A+
563573	B	20761	OP	10134	A+	385	A+	491	A+	1635	A+	3056	A+
563574	A	20761	OP	10134	A-	385	A-	491	A+	1635	A-	3056	A-
563575	A	20761	OP	10134	A-	385	A-	491	A+	1635	A-	3056	A-
563577	D	20761	OP	10134	A-	385	A+	491	A+	1635	A-	3056	A+

GENERAL		COUNTS	Item Type	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.		NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
563632	A	20761	OP	10134	A+	385	A-	491	B-	1635	A-	3056	B-
563636	D	20761	OP	10134	A+	385	A-	491	A-	1635	A-	3056	A-
563641	A	20761	OP	10134	A+	385	A-	491	B-	1635	A-	3056	A-
563647	C	20761	OP	10134	A+	385	A-	491	A+	1635	A-	3056	A+
563650	B	20761	OP	10134	A+	385	A+	491	A+	1635	A+	3056	A+
563654	A	20761	OP	10134	A+	385	A-	491	A-	1635	A-	3056	A-
563658	D	20761	OP	10134	A+	385	A-	491	A+	1635	A-	3056	A-
565199	C	20761	OP	10134	A-	385	A+	491	A-	1635	A+	3056	A+
565201	D	20761	OP	10134	B-	385	A-	491	A-	1635	A-	3056	A-
565202	D	20761	OP	10134	A-	385	A+	491	B-	1635	A-	3056	B-
565226	B	20761	OP	10134	A-	385	A+	491	A+	1635	A-	3056	A+
565236	B	20761	OP	10134	A+	385	A+	491	A+	1635	A-	3056	A-
565246	B	20761	OP	10134	A+	385	A-	491	A+	1635	A-	3056	A+
565258	D	20761	OP	10134	A+	385	A-	491	A+	1635	A+	3056	A-
565313	B	20761	OP	10134	A-	385	A-	491	A-	1635	A-	3056	A-
565315	B	20761	OP	10134	A+	385	A+	491	A+	1635	A+	3056	A+
565341	C	20761	OP	10134	A-	385	A-	491	A+	1635	A+	3056	A+
565343	B	20761	OP	10134	A+	385	A-	491	B-	1635	A-	3056	A-
565347	C	20761	OP	10134	A+	385	A+	491	A+	1635	A-	3056	A+
565359	A	20761	OP	10134	A+	385	A+	491	A-	1635	A+	3056	A-
565876	A	20761	OP	10134	A-	385	A-	491	A+	1635	A+	3056	A-
602462	A	3402	FT	1670	A-	46		85		305	A-	442	A-
602463	A	3402	FT	1670	A+	46		85		305	B-	442	A-
602464	A	3402	FT	1670	A+	46		85		305	A-	442	A-
602465	D	3402	FT	1670	A-	46		85		305	A+	442	A+
602466	D	3402	FT	1670	A+	46		85		305	A-	442	A-
602467	C	3402	FT	1670	A+	46		85		305	A+	442	A+
602468	C	3402	FT	1670	A+	46		85		305	A-	442	A+

GENERAL		COUNTS	Item Type	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.		NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
602469	D	3402	FT	1670	A+	46		85		305	A-	442	A+
602470	A	3402	FT	1670	A+	46		85		305	A+	442	A-
602473	B	3402	FT	1670	A+	46		85		305	A-	442	A-
602474	C	7147	FT	3442	A+	170		181		547	A-	1257	A-
602475	C	7147	FT	3442	A+	170		181		547	A-	1257	A-
602476	D	7147	FT	3442	A-	170		181		547	A-	1257	A-
602477	B	7147	FT	3442	A-	170		181		547	A+	1257	A-
602478	D	7147	FT	3442	A-	170		181		547	B-	1257	A-
602479	B	7147	FT	3442	A-	170		181		547	A-	1257	A+
602480	A	7147	FT	3442	A-	170		181		547	C-	1257	A-
602481	A	7147	FT	3442	A+	170		181		547	A-	1257	A-
602482	B	7147	FT	3442	A+	170		181		547	A-	1257	A-
602483	C	7147	FT	3442	A+	170		181		547	A-	1257	A-
602484	C	3350	FT	1678	B-	61		71		268	A-	441	A-
602485	B	3350	FT	1678	A-	61		71		268	A+	441	A+
602486	D	3350	FT	1678	A-	61		71		268	A-	441	A-
602487	D	3350	FT	1678	A+	61		71		268	A-	441	A+
602488	A	3350	FT	1678	A-	61		71		268	A-	441	A-
602489	B	3350	FT	1678	A-	61		71		268	A-	441	A-
602490	A	3350	FT	1678	A+	61		71		268	A-	441	A-
602491	D	3350	FT	1678	A+	61		71		268	A-	441	A-
602492	D	3350	FT	1678	A+	61		71		268	A-	441	A-
602493	B	3350	FT	1678	A+	61		71		268	A+	441	A+
602494	B	3437	FT	1666	A+	55		78		261	A+	443	B+
602495	C	3437	FT	1666	A-	55		78		261	A-	443	A-
602496	D	3437	FT	1666	A-	55		78		261	A-	443	A-
602497	A	3437	FT	1666	A+	55		78		261	A-	443	A-
602498	C	3437	FT	1666	A+	55		78		261	A+	443	A-

GENERAL		COUNTS	Item Type	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.		NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
602499	A	3437	FT	1666	A-	55		78		261	A-	443	A-
602500	A	3437	FT	1666	A+	55		78		261	A-	443	A-
602501	C	3437	FT	1666	A+	55		78		261	A-	443	A-
602502	B	3437	FT	1666	A+	55		78		261	A+	443	A-
602503	D	3437	FT	1666	A+	55		78		261	A-	443	A+
602504	B	3425	FT	1678	A-	53		76		254	B-	473	A-
602506	A	3425	FT	1678	A+	53		76		254	A+	473	A-
602507	B	3425	FT	1678	A+	53		76		254	A+	473	A+
602509	C	3425	FT	1678	A-	53		76		254	A-	473	A+
602510	D	3425	FT	1678	A+	53		76		254	A+	473	A+
602511	B	3425	FT	1678	A+	53		76		254	B-	473	A-
602512	A	3425	FT	1678	A-	53		76		254	A+	473	A-
602513	C	3425	FT	1678	A-	53		76		254	A-	473	A-
602514	C	3425	FT	1678	A+	53		76		254	B-	473	A-
602515	C	3425	FT	1678	A-	53		76		254	B-	473	A-

Grade 6

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
563718	C	20504	OP	9972	A+	324	A-	430	A-	1596	A+	2928	A+
563719	B	20504	OP	9972	A+	324	A+	430	A-	1596	A+	2928	A+
563720	A	20504	OP	9972	A-	324	A+	430	A-	1596	A-	2928	A-
563722	B	20504	OP	9972	A+	324	A+	430	B-	1596	A-	2928	A-
563723	A	20504	OP	9972	A+	324	A-	430	A-	1596	A+	2928	A+
563725	D	20504	OP	9972	A+	324	A-	430	A-	1596	A-	2928	A+
563726	C	20504	OP	9972	A-	324	A-	430	A-	1596	A-	2928	A-
563727	B	20504	OP	9972	A-	324	A-	430	A-	1596	A-	2928	A-
563732	C	20504	OP	9972	A+	324	A+	430	A-	1596	A-	2928	A-
563740	D	20504	OP	9972	A-	324	A+	430	A-	1596	A-	2928	A+
563804	B	20504	OP	9972	A+	324	A-	430	A-	1596	A-	2928	A+
563809	D	20504	OP	9972	A-	324	A-	430	A-	1596	A-	2928	A-
563812	B	20504	OP	9972	A+	324	A+	430	A+	1596	A+	2928	A+
563815	A	20504	OP	9972	A+	324	A-	430	A-	1596	A-	2928	A+
563818	D	20504	OP	9972	A+	324	A-	430	A+	1596	A+	2928	A+
563821	D	20504	OP	9972	A+	324	A+	430	A-	1596	A-	2928	A+
563827	A	20504	OP	9972	A+	324	A+	430	A+	1596	A-	2928	A+
563828	B	20504	OP	9972	A-	324	A-	430	A+	1596	A-	2928	A-
563831	B	20504	OP	9972	A-	324	B-	430	A+	1596	A-	2928	A+
563832	D	20504	OP	9972	A+	324	A-	430	A-	1596	A-	2928	A-
563834	A	20504	OP	9972	A+	324	A+	430	A+	1596	A-	2928	A+
563838	C	20504	OP	9972	A+	324	A-	430	A+	1596	A-	2928	A+
563841	C	20504	OP	9972	A-	324	A-	430	A+	1596	A-	2928	A-
563852	A	20504	OP	9972	A-	324	A-	430	B-	1596	A-	2928	A-
563855	D	20504	OP	9972	A-	324	A-	430	A-	1596	A-	2928	A-
563857	B	20504	OP	9972	A-	324	A+	430	A-	1596	B-	2928	A-
563859	B	20504	OP	9972	A+	324	B-	430	A-	1596	A-	2928	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
563866	D	20504	OP	9972	A-	324	A-	430	A-	1596	A-	2928	A-
563868	B	20504	OP	9972	A-	324	A+	430	A-	1596	A-	2928	A+
563869	C	20504	OP	9972	A-	324	A+	430	A-	1596	A+	2928	A+
563874	B	20504	OP	9972	A+	324	A+	430	A+	1596	A+	2928	A-
563878	A	20504	OP	9972	A-	324	A+	430	A+	1596	A+	2928	A+
563879	D	20504	OP	9972	A+	324	A+	430	A+	1596	A+	2928	A+
565817	A	20504	OP	9972	A+	324	A-	430	A-	1596	A+	2928	A-
565820	C	20504	OP	9972	A+	324	A-	430	A+	1596	A-	2928	A-
565822	A	20504	OP	9972	A-	324	A-	430	A+	1596	A+	2928	A+
565825	D	20504	OP	9972	A+	324	A-	430	A+	1596	A+	2928	A-
565832	D	20504	OP	9972	A+	324	A-	430	A+	1596	A+	2928	A+
565851	D	20504	OP	9972	A+	324	A+	430	A+	1596	A-	2928	A+
565854	C	20504	OP	9972	A-	324	A-	430	A-	1596	A-	2928	A-
565857	B	20504	OP	9972	A+	324	A+	430	A-	1596	A+	2928	A+
565858	A	20504	OP	9972	A+	324	A-	430	A+	1596	A-	2928	A-
565860	B	20504	OP	9972	A+	324	A-	430	A-	1596	A-	2928	A-
565897	D	20504	OP	9972	A+	324	A-	430	A-	1596	A-	2928	A+
565898	B	20504	OP	9972	A+	324	A-	430	A+	1596	A+	2928	A+
565899	A	20504	OP	9972	A+	324	A+	430	A+	1596	A+	2928	A+
565900	B	20504	OP	9972	A-	324	A-	430	A+	1596	A+	2928	A+
565903	C	20504	OP	9972	A+	324	A+	430	A+	1596	A+	2928	A+
602516	C	6773	FT	3229	A-	140		168		491	A-	1093	A+
602517	D	6773	FT	3229	A+	140		168		491	A-	1093	A-
602518	A	6773	FT	3229	A-	140		168		491	B-	1093	A-
602519	B	6773	FT	3229	A+	140		168		491	A-	1093	A-
602521	D	6773	FT	3229	A-	140		168		491	A-	1093	A-
602523	D	6773	FT	3229	A+	140		168		491	A+	1093	A-
602524	A	6773	FT	3229	A-	140		168		491	A-	1093	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
602525	D	6773	FT	3229	A-	140		168		491	A-	1093	A-
602527	B	6773	FT	3229	A-	140		168		491	A-	1093	A-
602528	C	6773	FT	3229	A-	140		168		491	A-	1093	A-
602529	D	3449	FT	1714	A+	47		60		271	A-	459	A+
602531	B	3449	FT	1714	A+	47		60		271	A-	459	A-
602532	C	3449	FT	1714	A+	47		60		271	A-	459	A-
602533	D	3449	FT	1714	A-	47		60		271	A+	459	A+
602534	B	3449	FT	1714	A-	47		60		271	A-	459	A-
602535	A	3449	FT	1714	A+	47		60		271	A+	459	A+
602536	C	3449	FT	1714	A+	47		60		271	A+	459	A-
602537	A	3449	FT	1714	A-	47		60		271	B-	459	A-
602539	B	3449	FT	1714	A-	47		60		271	A+	459	A-
602540	D	3449	FT	1714	A-	47		60		271	A+	459	A+
602542	A	3417	FT	1697	A+	42		75		277	B-	430	A-
602543	C	3417	FT	1697	A-	42		75		277	A-	430	A-
602545	D	3417	FT	1697	A-	42		75		277	A-	430	B-
602546	B	3417	FT	1697	A+	42		75		277	A-	430	C-
602548	B	3417	FT	1697	A-	42		75		277	B-	430	A-
602549	C	3417	FT	1697	A+	42		75		277	A-	430	A+
602550	B	3417	FT	1697	A-	42		75		277	A-	430	A-
602551	D	3417	FT	1697	A-	42		75		277	A-	430	A-
602552	C	3417	FT	1697	A-	42		75		277	A-	430	A+
602553	B	3417	FT	1697	A-	42		75		277	B-	430	A+
602554	B	3433	FT	1676	B+	52		66		282	A-	475	B-
602555	A	3433	FT	1676	A+	52		66		282	A+	475	A-
602556	D	3433	FT	1676	C+	52		66		282	A-	475	A-
602557	C	3433	FT	1676	A-	52		66		282	A-	475	A-
602558	C	3433	FT	1676	A+	52		66		282	A-	475	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
602559	C	3433	FT	1676	A+	52		66		282	A-	475	A-
602560	B	3433	FT	1676	A+	52		66		282	B-	475	A+
602561	D	3433	FT	1676	A+	52		66		282	A+	475	A+
602562	A	3432	FT	1656	B-	43		61		275	A-	471	A-
602563	D	3432	FT	1656	A-	43		61		275	A-	471	A-
602564	A	3432	FT	1656	A-	43		61		275	B-	471	A-
602565	B	3432	FT	1656	A+	43		61		275	A-	471	A+
602566	A	3432	FT	1656	A-	43		61		275	C-	471	A-
602568	A	3432	FT	1656	A-	43		61		275	A-	471	A+
602569	C	3432	FT	1656	A+	43		61		275	A-	471	A+
602570	C	3432	FT	1656	A+	43		61		275	A-	471	A-
602571	C	3432	FT	1656	A-	43		61		275	A-	471	A-
602573	C	3432	FT	1656	A+	43		61		275	A+	471	A+
604780	C	3433	FT	1676	A+	52		66		282	B-	475	A+
604782	A	3433	FT	1676	A-	52		66		282	A-	475	A-

Grade 7

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
563893	A	20401	OP	9937	A-	357	A+	437	A+	1591	A-	2891	A-
563896	D	20401	OP	9937	A+	357	A-	437	A-	1591	A-	2891	A+
563897	B	20401	OP	9937	A-	357	A-	437	A+	1591	A-	2891	A-
563900	B	20401	OP	9937	A-	357	A+	437	A-	1591	A+	2891	A+
563904	A	20401	OP	9937	A-	357	A-	437	A-	1591	A+	2891	A+
563907	C	20401	OP	9937	A-	357	A+	437	A-	1591	A-	2891	A-
563909	D	20401	OP	9937	A-	357	A+	437	A+	1591	A-	2891	A-
563912	B	20401	OP	9937	A-	357	A-	437	A-	1591	A-	2891	A-
563916	C	20401	OP	9937	A-	357	A+	437	B-	1591	A-	2891	A-
563921	C	20401	OP	9937	A+	357	A-	437	A-	1591	A+	2891	A-
563953	A	20401	OP	9937	A+	357	A-	437	A+	1591	A+	2891	A-
563954	B	20401	OP	9937	A+	357	A-	437	A+	1591	A+	2891	A-
563957	D	20401	OP	9937	A+	357	A+	437	A-	1591	A+	2891	A+
563959	C	20401	OP	9937	A+	357	A+	437	A+	1591	A+	2891	A-
563960	A	20401	OP	9937	A+	357	A-	437	A-	1591	A-	2891	A+
563964	A	20401	OP	9937	A+	357	A+	437	A+	1591	A+	2891	A+
563970	A	20401	OP	9937	A+	357	A-	437	A+	1591	A-	2891	A-
563973	A	20401	OP	9937	A-	357	A-	437	A-	1591	A-	2891	A-
563977	D	20401	OP	9937	A+	357	A-	437	A-	1591	A-	2891	A-
563978	C	20401	OP	9937	A+	357	A+	437	A+	1591	A-	2891	A+
563981	A	20401	OP	9937	A-	357	A-	437	B-	1591	A-	2891	A-
563999	C	20401	OP	9937	A-	357	A+	437	A+	1591	A+	2891	A+
564001	B	20401	OP	9937	A-	357	A+	437	A+	1591	A+	2891	A+
564002	A	20401	OP	9937	A+	357	A-	437	A-	1591	A-	2891	A-
564009	C	20401	OP	9937	A-	357	A+	437	A+	1591	A+	2891	A-
564012	C	20401	OP	9937	A+	357	A-	437	A+	1591	A+	2891	A+
564014	A	20401	OP	9937	A+	357	A-	437	A+	1591	A-	2891	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
564015	D	20401	OP	9937	A+	357	A+	437	A+	1591	A+	2891	A+
564017	B	20401	OP	9937	A+	357	A-	437	A-	1591	A-	2891	A-
564023	A	20401	OP	9937	A+	357	A-	437	B+	1591	A+	2891	A+
564024	B	20401	OP	9937	A+	357	A-	437	A-	1591	A-	2891	A+
564025	D	20401	OP	9937	A+	357	A+	437	A-	1591	A+	2891	A+
564031	B	20401	OP	9937	A-	357	A-	437	A-	1591	A-	2891	A-
564033	D	20401	OP	9937	A-	357	A+	437	A+	1591	A-	2891	A-
564034	B	20401	OP	9937	A-	357	A-	437	A-	1591	A-	2891	A-
564035	B	20401	OP	9937	A-	357	A+	437	A+	1591	A-	2891	A+
564036	A	20401	OP	9937	A+	357	A-	437	A+	1591	A-	2891	A-
564038	B	20401	OP	9937	A+	357	A+	437	B-	1591	A-	2891	A-
564040	C	20401	OP	9937	A+	357	A-	437	A+	1591	A-	2891	A-
565438	B	20401	OP	9937	A-	357	A-	437	A-	1591	A-	2891	A-
565439	C	20401	OP	9937	B-	357	A-	437	A-	1591	A-	2891	A-
565517	A	20401	OP	9937	A-	357	A-	437	A+	1591	A-	2891	A-
565519	C	20401	OP	9937	A-	357	A+	437	A-	1591	A+	2891	A+
565528	C	20401	OP	9937	A+	357	A+	437	A+	1591	A+	2891	B+
565547	A	20401	OP	9937	A-	357	A+	437	A+	1591	A+	2891	A+
565665	C	20401	OP	9937	A-	357	A+	437	A-	1591	A-	2891	A-
565667	D	20401	OP	9937	A+	357	A+	437	A-	1591	A+	2891	A-
565671	B	20401	OP	9937	A+	357	A+	437	C-	1591	A-	2891	A-
602574	C	3451	FT	1632	A+	51		74		293	A-	496	A-
602575	D	3451	FT	1632	A+	51		74		293	A+	496	A+
602577	B	3451	FT	1632	A+	51		74		293	B+	496	A+
602578	B	3451	FT	1632	A+	51		74		293	A+	496	A-
602580	A	3451	FT	1632	A+	51		74		293	A+	496	A+
602581	D	3451	FT	1632	A+	51		74		293	A+	496	A-
602582	D	3451	FT	1632	A+	51		74		293	B-	496	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
602583	A	3451	FT	1632	A+	51		74		293	A-	496	A-
602585	A	3451	FT	1632	A-	51		74		293	A-	496	A-
602587	D	3496	FT	1729	A+	55		69		283	A-	477	A+
602588	B	3496	FT	1729	A-	55		69		283	A-	477	A-
602589	D	3496	FT	1729	B+	55		69		283	A-	477	A-
602590	A	3496	FT	1729	A+	55		69		283	A-	477	A-
602591	B	3496	FT	1729	A+	55		69		283	A-	477	A-
602592	D	3496	FT	1729	A+	55		69		283	A+	477	A+
602593	B	3496	FT	1729	A+	55		69		283	A-	477	A+
602595	A	3496	FT	1729	A+	55		69		283	A-	477	A+
602597	C	3496	FT	1729	A+	55		69		283	A-	477	A-
602598	D	3496	FT	1729	A+	55		69		283	A+	477	A-
602601	C	3418	FT	1669	A-	51		73		270	A-	429	A+
602603	D	3418	FT	1669	A-	51		73		270	A-	429	A+
602605	B	3418	FT	1669	B-	51		73		270	B-	429	A-
602606	A	3418	FT	1669	A-	51		73		270	A-	429	A-
602607	C	3418	FT	1669	A+	51		73		270	A-	429	A-
602608	A	3418	FT	1669	A-	51		73		270	B-	429	B-
602609	B	3418	FT	1669	A+	51		73		270	A+	429	A-
602610	C	3418	FT	1669	A+	51		73		270	A+	429	A-
602612	B	3418	FT	1669	A-	51		73		270	A-	429	A-
602613	D	3418	FT	1669	A-	51		73		270	A-	429	A-
602614	B	3509	FT	1750	A-	56		60		294	A+	434	A-
602615	A	3509	FT	1750	A+	56		60		294	A+	434	A+
602616	B	3509	FT	1750	A+	56		60		294	A-	434	A-
602617	D	3509	FT	1750	A+	56		60		294	A-	434	A-
602618	A	3509	FT	1750	A+	56		60		294	A-	434	A-
602619	D	3509	FT	1750	A-	56		60		294	A-	434	B-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
602620	C	3509	FT	1750	A+	56		60		294	A-	434	A-
602621	B	3509	FT	1750	A-	56		60		294	A-	434	A-
602622	D	3509	FT	1750	A+	56		60		294	A-	434	A-
602623	D	3509	FT	1750	B-	56		60		294	A-	434	A+
602624	C	6527	FT	3157	A-	144		161		451	A-	1055	A-
602625	B	6527	FT	3157	A-	144		161		451	A-	1055	A-
602626	D	6527	FT	3157	A-	144		161		451	B-	1055	B-
602630	C	6527	FT	3157	A-	144		161		451	A-	1055	A-
602631	D	6527	FT	3157	A+	144		161		451	B-	1055	A+
602632	D	6527	FT	3157	A-	144		161		451	A-	1055	A-
602633	A	6527	FT	3157	A-	144		161		451	A-	1055	A-
602634	B	6527	FT	3157	A-	144		161		451	A-	1055	A-
602635	A	6527	FT	3157	A-	144		161		451	B-	1055	B-
602636	D	6527	FT	3157	A+	144		161		451	A-	1055	A-
602640	B	3451	FT	1632	A+	51		74		293	A+	496	A+

Grade 8

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
564086	B	20425	OP	10011	A+	334	A+	440	A-	1576	A-	2752	A-
564090	C	20425	OP	10011	A-	334	A-	440	A-	1576	A+	2752	A-
564091	C	20425	OP	10011	A-	334	A-	440	A-	1576	A-	2752	B-
564098	B	20425	OP	10011	A+	334	A+	440	A-	1576	A+	2752	A+
564100	A	20425	OP	10011	A+	334	A+	440	A+	1576	A+	2752	A+
564106	A	20425	OP	10011	A+	334	A-	440	A-	1576	A-	2752	A-
564115	C	20425	OP	10011	A+	334	A-	440	A-	1576	A-	2752	A-
564116	C	20425	OP	10011	A+	334	A+	440	A-	1576	A+	2752	A+
564118	B	20425	OP	10011	A+	334	A-	440	A-	1576	B-	2752	A-
564127	C	20425	OP	10011	A+	334	A+	440	A-	1576	A+	2752	A-
564129	B	20425	OP	10011	A+	334	A+	440	A-	1576	A-	2752	A+
564131	C	20425	OP	10011	A+	334	A-	440	A-	1576	A-	2752	A+
564133	D	20425	OP	10011	A+	334	A+	440	A+	1576	A+	2752	A+
564136	B	20425	OP	10011	A+	334	A+	440	A-	1576	A+	2752	A-
564137	D	20425	OP	10011	A+	334	A+	440	B-	1576	A-	2752	A-
564138	C	20425	OP	10011	A+	334	A-	440	A-	1576	A+	2752	A-
564139	B	20425	OP	10011	A-	334	A+	440	A-	1576	A+	2752	A-
564226	A	20425	OP	10011	B-	334	A-	440	A-	1576	A-	2752	A+
564228	A	20425	OP	10011	A+	334	A+	440	A+	1576	A+	2752	A+
564229	B	20425	OP	10011	A+	334	A+	440	A-	1576	A-	2752	A+
564232	B	20425	OP	10011	A-	334	A+	440	A-	1576	A+	2752	A-
564233	C	20425	OP	10011	A-	334	A-	440	A-	1576	A-	2752	A-
564235	A	20425	OP	10011	A-	334	A-	440	A-	1576	A-	2752	A-
564236	A	20425	OP	10011	A+	334	A-	440	A-	1576	A-	2752	A-
564238	D	20425	OP	10011	A+	334	A-	440	A+	1576	A+	2752	A+
564239	B	20425	OP	10011	A+	334	A+	440	A-	1576	A-	2752	A-
564240	D	20425	OP	10011	A-	334	B+	440	A+	1576	A+	2752	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
564242	C	20425	OP	10011	A-	334	A-	440	A-	1576	A-	2752	A-
564248	A	20425	OP	10011	A-	334	A-	440	A+	1576	A+	2752	A-
564251	A	20425	OP	10011	A-	334	A-	440	A-	1576	A-	2752	A-
564255	A	20425	OP	10011	A-	334	A-	440	A-	1576	A-	2752	A-
564262	D	20425	OP	10011	B+	334	A+	440	A-	1576	A-	2752	A+
564264	C	20425	OP	10011	A+	334	A+	440	A-	1576	A-	2752	A+
564266	C	20425	OP	10011	A+	334	A+	440	A+	1576	A-	2752	A+
564271	C	20425	OP	10011	A-	334	A-	440	A+	1576	A-	2752	A-
564272	A	20425	OP	10011	A-	334	A-	440	A+	1576	A+	2752	A+
564273	B	20425	OP	10011	A-	334	A+	440	A+	1576	A-	2752	A+
564277	C	20425	OP	10011	A-	334	A-	440	A-	1576	A+	2752	A-
564278	B	20425	OP	10011	A-	334	A-	440	A-	1576	A+	2752	A+
564280	C	20425	OP	10011	A-	334	A+	440	A+	1576	A+	2752	A+
564281	D	20425	OP	10011	A+	334	A-	440	A+	1576	A+	2752	A+
564283	C	20425	OP	10011	A-	334	A+	440	A-	1576	A-	2752	A+
565716	A	20425	OP	10011	A-	334	A-	440	A-	1576	A+	2752	A-
565758	B	20425	OP	10011	A-	334	A-	440	A+	1576	A+	2752	A+
565787	D	20425	OP	10011	A+	334	A+	440	A+	1576	A-	2752	A-
565790	C	20425	OP	10011	A-	334	A-	440	A-	1576	A-	2752	A-
565810	C	20425	OP	10011	A+	334	A+	440	A+	1576	A-	2752	A+
565819	A	20425	OP	10011	A+	334	A-	440	A-	1576	A+	2752	A+
565831	D	20425	OP	10011	A-	334	A+	440	A+	1576	A-	2752	A+
565848	A	20425	OP	10011	A-	334	A-	440	A-	1576	A-	2752	A+
602740	B	3452	FT	1709	A-	37		66		279	A-	430	A-
602741	D	3452	FT	1709	A+	37		66		279	B-	430	C-
602742	D	3452	FT	1709	A+	37		66		279	A+	430	A+
602743	C	3452	FT	1709	A-	37		66		279	A-	430	A-
602744	A	3452	FT	1709	A+	37		66		279	A-	430	B-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
602745	A	3452	FT	1709	A-	37		66		279	A-	430	A-
602746	D	3452	FT	1709	A-	37		66		279	B-	430	A-
602748	C	3452	FT	1709	A+	37		66		279	A-	430	A-
602749	A	3452	FT	1709	A-	37		66		279	A-	430	B-
602751	A	3452	FT	1709	A-	37		66		279	A-	430	A-
602752	D	3369	FT	1672	A-	47		68		296	A-	456	A-
602753	D	3369	FT	1672	A+	47		68		296	A+	456	A+
602754	B	3369	FT	1672	A-	47		68		296	A-	456	A-
602755	D	3369	FT	1672	A-	47		68		296	A-	456	B-
602757	D	3369	FT	1672	A+	47		68		296	A-	456	A-
602759	C	3369	FT	1672	A+	47		68		296	A-	456	A-
602760	A	3369	FT	1672	A+	47		68		296	A+	456	A-
602761	C	3369	FT	1672	A+	47		68		296	A+	456	A+
602762	A	3369	FT	1672	A-	47		68		296	A-	456	A-
602763	A	3369	FT	1672	A-	47		68		296	A-	456	A-
602765	C	3494	FT	1692	A-	47		65		258	A+	483	A-
602766	B	3494	FT	1692	A-	47		65		258	A-	483	A-
602767	D	3494	FT	1692	A-	47		65		258	A-	483	A-
602768	C	3494	FT	1692	A+	47		65		258	A-	483	B-
602769	C	3494	FT	1692	A+	47		65		258	A-	483	A-
602770	B	3494	FT	1692	A-	47		65		258	A-	483	A-
602771	A	3494	FT	1692	A-	47		65		258	A-	483	B-
602772	B	3494	FT	1692	A-	47		65		258	B-	483	B-
602775	A	3494	FT	1692	A+	47		65		258	A-	483	A+
602776	B	3494	FT	1692	A-	47		65		258	A-	483	A-
602778	D	6675	FT	3230	A-	144		170		477	A-	970	A+
602779	A	6675	FT	3230	A-	144		170		477	B-	970	A-
602780	B	6675	FT	3230	A-	144		170		477	A-	970	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
602783	C	6675	FT	3230	A-	144		170		477	A-	970	A-
602785	C	6675	FT	3230	A+	144		170		477	A-	970	A-
602786	A	6675	FT	3230	A-	144		170		477	A+	970	A-
602787	A	6675	FT	3230	A+	144		170		477	A-	970	A-
602788	D	6675	FT	3230	A-	144		170		477	A-	970	A-
602789	D	6675	FT	3230	A-	144		170		477	A-	970	A-
602790	A	6675	FT	3230	A-	144		170		477	A-	970	A-
602791	A	3435	FT	1708	A+	59		71		266	A+	413	A+
602793	B	3435	FT	1708	A-	59		71		266	A-	413	A-
602794	A	3435	FT	1708	B-	59		71		266	C-	413	B-
602795	B	3435	FT	1708	A-	59		71		266	B-	413	A-
602796	B	3435	FT	1708	A-	59		71		266	A-	413	A-
602797	C	3435	FT	1708	A-	59		71		266	C-	413	C-
602798	D	3435	FT	1708	A-	59		71		266	B-	413	C-
602800	A	3435	FT	1708	A-	59		71		266	A-	413	A-
602802	A	3435	FT	1708	A-	59		71		266	A-	413	A-
602804	C	3435	FT	1708	B-	59		71		266	A-	413	A-

Grade 11

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
564301	A	20566	OP	10143	A-	294	A+	424	A-	1325	A-	2276	A+
564302	A	20566	OP	10143	A-	294	A-	424	A-	1325	A-	2276	A+
564304	B	20566	OP	10143	A+	294	A+	424	A-	1325	A-	2276	A+
564305	C	20566	OP	10143	A+	294	A+	424	B+	1325	A+	2276	A+
564310	A	20566	OP	10143	A-	294	A+	424	B-	1325	A-	2276	A-
564311	D	20566	OP	10143	A+	294	A+	424	A+	1325	A-	2276	A+
564318	B	20566	OP	10143	A-	294	A-	424	A+	1325	A+	2276	A+
564324	A	20566	OP	10143	B-	294	B-	424	A-	1325	A-	2276	A-
564326	D	20566	OP	10143	A+	294	A-	424	A-	1325	A+	2276	A+
564329	B	20566	OP	10143	A+	294	A+	424	A+	1325	A+	2276	A-
564331	C	20566	OP	10143	A-	294	B-	424	A-	1325	B-	2276	B-
564333	B	20566	OP	10143	A+	294	A+	424	A+	1325	A+	2276	A+
564341	A	20566	OP	10143	B+	294	A+	424	A-	1325	A-	2276	A+
564345	A	20566	OP	10143	A+	294	A+	424	A+	1325	A+	2276	A+
564346	D	20566	OP	10143	B+	294	A-	424	A+	1325	A-	2276	A-
564347	A	20566	OP	10143	A+	294	A-	424	A+	1325	A+	2276	A-
564351	D	20566	OP	10143	A+	294	A-	424	A+	1325	A-	2276	A+
564352	B	20566	OP	10143	A+	294	A+	424	A-	1325	A+	2276	A-
564360	C	20566	OP	10143	A+	294	A+	424	A-	1325	A-	2276	A-
564366	D	20566	OP	10143	B+	294	A-	424	A-	1325	A-	2276	A-
564371	A	20566	OP	10143	A+	294	A-	424	A-	1325	A+	2276	A+
564374	D	20566	OP	10143	A+	294	A-	424	B+	1325	A+	2276	A+
564385	A	20566	OP	10143	A+	294	A+	424	A+	1325	A-	2276	A-
564388	A	20566	OP	10143	A-	294	A+	424	A-	1325	B+	2276	A+
564389	B	20566	OP	10143	A+	294	A+	424	A+	1325	A-	2276	A-
564401	A	20566	OP	10143	A-	294	A+	424	A+	1325	A+	2276	A+
564402	A	20566	OP	10143	A+	294	A+	424	A+	1325	A+	2276	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
564403	D	20566	OP	10143	A-	294	A-	424	B+	1325	A-	2276	A+
564404	C	20566	OP	10143	A+	294	A-	424	A+	1325	A-	2276	A+
564415	D	20566	OP	10143	A-	294	A+	424	A+	1325	A-	2276	A-
564416	A	20566	OP	10143	A+	294	A-	424	A+	1325	A-	2276	A+
564418	B	20566	OP	10143	A+	294	A-	424	A-	1325	A-	2276	B+
564424	A	20566	OP	10143	B-	294	B-	424	A+	1325	A-	2276	A+
564428	B	20566	OP	10143	A-	294	A-	424	A-	1325	A+	2276	A+
564430	A	20566	OP	10143	A-	294	A+	424	A+	1325	A+	2276	A+
564436	B	20566	OP	10143	A+	294	A+	424	A+	1325	A+	2276	A+
564445	C	20566	OP	10143	A-	294	A-	424	A-	1325	A-	2276	A-
564463	B	20566	OP	10143	A-	294	A+	424	A-	1325	A+	2276	A-
564465	C	20566	OP	10143	A-	294	A-	424	A-	1325	A+	2276	A+
564469	B	20566	OP	10143	A-	294	A+	424	A+	1325	A+	2276	A+
564471	A	20566	OP	10143	B-	294	A-	424	A+	1325	A-	2276	A+
564472	D	20566	OP	10143	A-	294	A-	424	A-	1325	A-	2276	A-
564474	A	20566	OP	10143	A+	294	A-	424	A+	1325	A-	2276	A+
564477	A	20566	OP	10143	A-	294	A+	424	A-	1325	A-	2276	A-
564479	D	20566	OP	10143	A+	294	A+	424	A+	1325	A+	2276	A+
565549	A	20566	OP	10143	B-	294	A-	424	C-	1325	A-	2276	A-
565551	C	20566	OP	10143	A+	294	A-	424	A-	1325	A-	2276	A-
565556	A	20566	OP	10143	A-	294	A-	424	A-	1325	A-	2276	A-
565572	C	20566	OP	10143	A-	294	A+	424	A-	1325	A-	2276	A-
565647	B	20566	OP	10143	A+	294	A-	424	A-	1325	A-	2276	A-
602805	C	3469	FT	1742	A-	44		72		244	A-	350	A+
602807	C	3469	FT	1742	A-	44		72		244	A+	350	A-
602808	C	3469	FT	1742	A+	44		72		244	A-	350	A-
602809	A	3469	FT	1742	C-	44		72		244	B-	350	A-
602810	A	3469	FT	1742	A-	44		72		244	A+	350	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
602811	B	3469	FT	1742	A-	44		72		244	A-	350	A-
602813	D	3469	FT	1742	A+	44		72		244	A-	350	A-
602814	B	3469	FT	1742	A-	44		72		244	A-	350	B-
602815	A	3469	FT	1742	A+	44		72		244	A+	350	A+
602818	D	3469	FT	1742	A+	44		72		244	A+	350	A-
602819	B	3364	FT	1682	A-	41		79		190		355	A-
602820	B	3364	FT	1682	A+	41		79		190		355	B-
602824	B	3364	FT	1682	A+	41		79		190		355	B-
602825	D	3364	FT	1682	A+	41		79		190		355	A+
602826	B	3364	FT	1682	A-	41		79		190		355	A-
602827	B	3364	FT	1682	A+	41		79		190		355	A-
602828	A	3364	FT	1682	A-	41		79		190		355	B-
602829	A	3364	FT	1682	A+	41		79		190		355	A+
602830	C	3364	FT	1682	A+	41		79		190		355	B-
602832	C	3364	FT	1682	A+	41		79		190		355	A-
602833	C	3357	FT	1701	A+	45		61		233	A-	369	A-
602835	D	3357	FT	1701	A+	45		61		233	A-	369	B-
602836	A	3357	FT	1701	A-	45		61		233	A+	369	A-
602839	B	3357	FT	1701	A-	45		61		233	A-	369	B-
602840	D	3357	FT	1701	A-	45		61		233	A-	369	A-
602841	A	3357	FT	1701	A-	45		61		233	A+	369	A-
602842	C	3357	FT	1701	B-	45		61		233	A-	369	A-
602843	D	3357	FT	1701	A-	45		61		233	A-	369	A-
602844	B	3357	FT	1701	A-	45		61		233	A-	369	A-
602845	B	3357	FT	1701	B+	45		61		233	A-	369	A-
602846	B	3460	FT	1718	C-	42		52		227	B-	353	C-
602847	A	3460	FT	1718	A-	42		52		227	A-	353	A-
602848	A	3460	FT	1718	A-	42		52		227	A-	353	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
602850	A	3460	FT	1718	A+	42		52		227	A+	353	A+
602851	A	3460	FT	1718	A-	42		52		227	A-	353	A-
602852	B	3460	FT	1718	A+	42		52		227	A-	353	A-
602853	D	3460	FT	1718	B-	42		52		227	A-	353	A-
602856	C	3460	FT	1718	A-	42		52		227	A-	353	A-
602857	D	3460	FT	1718	A+	42		52		227	A-	353	A-
602859	C	3460	FT	1718	A-	42		52		227	B-	353	B-
602860	A	6916	FT	3300	A-	122		160		431	A-	849	A-
602861	C	6916	FT	3300	A-	122		160		431	A-	849	A-
602863	B	6916	FT	3300	A-	122		160		431	A-	849	A+
602864	D	6916	FT	3300	A-	122		160		431	A-	849	A-
602867	D	6916	FT	3300	A+	122		160		431	A-	849	A-
602868	A	6916	FT	3300	A-	122		160		431	A-	849	A-
602869	C	6916	FT	3300	A+	122		160		431	A-	849	A-
602870	A	6916	FT	3300	A+	122		160		431	A-	849	A-
602871	A	6916	FT	3300	A+	122		160		431	A-	849	A-
602872	B	6916	FT	3300	A-	122		160		431	A+	849	A-

Appendix J: Mathematics Differential Item Functioning

Grade 3

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
598840	C	5252	FT	2596	A-	96		110		444	A+	796	A+
598841	D	4338	FT	2092	A+	90		77		276	A-	800	A-
599737	C	2642	FT	1328	A-	48		63		228	A+	409	A-
599738	B	5237	FT	2590	A-	93		128		426	A-	813	A-
599739	D	2609	FT	1286	A-	45		51		225	A-	391	A-
599740	A	4338	FT	2092	A-	90		77		276	A-	800	A+
599741	C	5237	FT	2590	A-	93		128		426	A+	813	A-
599742	B	2642	FT	1328	A-	48		63		228	A-	409	A-
599743	B	2594	FT	1280	A+	42		69		207	C-	408	A-
599744	C	5285	FT	2638	A-	99		122		447	A-	814	A-
599745	A	2609	FT	1286	A+	45		51		225	A+	391	A+
599746	A	4338	FT	2092	A+	90		77		276	A-	800	A-
599747	D	4338	FT	2092	A+	90		77		276	A-	800	A-
599748	D	2594	FT	1280	A-	42		69		207	A+	408	A+
599749	B	4338	FT	2092	A+	90		77		276	C-	800	A-
599750	C	2642	FT	1328	A+	48		63		228	A-	409	A+
599751	B	5285	FT	2638	A+	99		122		447	A-	814	A-
599752	C	5252	FT	2596	A+	96		110		444	A-	796	A-
599753	B	2594	FT	1280	A+	42		69		207	A-	408	A-
599754	C	2642	FT	1328	A-	48		63		228	B+	409	A+
599755	D	2609	FT	1286	A-	45		51		225	C+	391	B+
599756	B	4338	FT	2092	B+	90		77		276	A-	800	A+
599757	C	2594	FT	1280	A-	42		69		207	A+	408	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
599758	C	2642	FT	1328	A-	48		63		228	A+	409	A+
599759	D	2643	FT	1310	A-	51		59		219	A-	405	A-
599760	A	5252	FT	2596	A-	96		110		444	A+	796	A-
599761	C	4338	FT	2092	A-	90		77		276	A-	800	A-
599762	B	2594	FT	1280	A-	42		69		207	A-	408	A-
599763	B	4338	FT	2092	A-	90		77		276	A-	800	A-
599764	C	2642	FT	1328	A-	48		63		228	A+	409	A-
599765	C	2609	FT	1286	A-	45		51		225	A+	391	A-
599766	B	2594	FT	1280	A-	42		69		207	A+	408	A-
599767	C	5285	FT	2638	A+	99		122		447	A+	814	A+
599768	A	2643	FT	1310	A-	51		59		219	A-	405	A-
599769	D	4338	FT	2092	A-	90		77		276	A+	800	A+
599770	B	4338	FT	2092	A-	90		77		276	A+	800	A+
599771	D	2609	FT	1286	A+	45		51		225	A+	391	A+
599772	C	2609	FT	1286	A+	45		51		225	A-	391	A-
599773	D	2594	FT	1280	A+	42		69		207	A-	408	A-
599774	A	2642	FT	1328	A+	48		63		228	A+	409	A+
599775	D	4338	FT	2092	A+	90		77		276	A+	800	A+
599776	C	2643	FT	1310	A+	51		59		219	A-	405	A-
599777	D	2609	FT	1286	A-	45		51		225	A-	391	A-
599778	D	2609	FT	1286	A-	45		51		225	A+	391	A+
599779	B	2594	FT	1280	A+	42		69		207	A-	408	A-
599780	A	4338	FT	2092	A+	90		77		276	A-	800	A-
599781	C	4338	FT	2092	A-	90		77		276	A-	800	A+
599782	D	2642	FT	1328	A-	48		63		228	A-	409	A+
599783	B	2643	FT	1310	A-	51		59		219	A-	405	A-
599784	C	5252	FT	2596	B-	96		110		444	A+	796	A+
599785	A	2594	FT	1280	A-	42		69		207	A-	408	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
599786	C	2642	FT	1328	A-	48		63		228	A-	409	A-
599787	A	2642	FT	1328	A-	48		63		228	A+	409	A-
599788	C	2609	FT	1286	B-	45		51		225	A-	391	A-
599789	D	2594	FT	1280	A-	42		69		207	A+	408	A+
599790	A	2642	FT	1328	A+	48		63		228	A-	409	A-
599791	C	2642	FT	1328	A-	48		63		228	A-	409	A-
599792	C	2643	FT	1310	A-	51		59		219	A+	405	A+
599793	B	2643	FT	1310	A+	51		59		219	A-	405	A+
599794	A	5252	FT	2596	A+	96		110		444	A-	796	A+
599795	A	2594	FT	1280	A+	42		69		207	C-	408	A-
599796	D	2642	FT	1328	A+	48		63		228	B-	409	A-
599797	D	4338	FT	2092	A+	90		77		276	A-	800	A-
599798	C	2609	FT	1286	A+	45		51		225	A+	391	A+
599799	B	4338	FT	2092	A+	90		77		276	A+	800	A+
599800	B	2643	FT	1310	A+	51		59		219	A-	405	A-
599801	A	2609	FT	1286	A+	45		51		225	A-	391	A-
599802	A	5237	FT	2590	A+	93		128		426	A-	813	A-
599803	A	2642	FT	1328	A+	48		63		228	A+	409	A+
599804	C	2609	FT	1286	A+	45		51		225	A-	391	B+
599805	B	4338	FT	2092	A+	90		77		276	A+	800	A+
599806	D	2642	FT	1328	A+	48		63		228	A+	409	A+
599807	C	2643	FT	1310	A+	51		59		219	B-	405	A-
599808	C	2594	FT	1280	A+	42		69		207	A-	408	A+
599809	C	2609	FT	1286	A+	45		51		225	A-	391	A+
599810	A	2594	FT	1280	A+	42		69		207	C-	408	A+
599811	C	5285	FT	2638	A+	99		122		447	A+	814	A-
599812	B	4338	FT	2092	A+	90		77		276	A-	800	A+
599813	D	5285	FT	2638	A+	99		122		447	A+	814	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
599814	A	2609	FT	1286	A+	45		51		225	A+	391	A+
599815	C	2594	FT	1280	A+	42		69		207	A+	408	A+
599816	B	4338	FT	2092	A+	90		77		276	A-	800	A+
599817	A	2642	FT	1328	A+	48		63		228	B+	409	A+
599818	C	2643	FT	1310	A+	51		59		219	A+	405	A+
599819	D	5252	FT	2596	A+	96		110		444	A+	796	A+
599820	D	2609	FT	1286	A+	45		51		225	A-	391	A-
599821	C	2594	FT	1280	A-	42		69		207	B-	408	A-
599822	A	4338	FT	2092	A-	90		77		276	A+	800	A-
599823	C	4338	FT	2092	A+	90		77		276	A-	800	A+
599824	A	5285	FT	2638	A+	99		122		447	A-	814	A-
599825	A	2609	FT	1286	A+	45		51		225	A-	391	A+
599826	A	2609	FT	1286	A-	45		51		225	A+	391	A-
599827	C	2594	FT	1280	A-	42		69		207	A+	408	A-
599828	B	2642	FT	1328	A-	48		63		228	A+	409	A+
599829	B	4338	FT	2092	A-	90		77		276	A+	800	A-
599830	A	5237	FT	2590	A+	93		128		426	A-	813	A-
599831	B	5252	FT	2596	A-	96		110		444	A-	796	A+
599832	B	4338	FT	2092	A-	90		77		276	A-	800	A-
599833	C	5237	FT	2590	A+	93		128		426	A-	813	A-
599834	B	2642	FT	1328	A-	48		63		228	A+	409	A-
599835	D	2609	FT	1286	A+	45		51		225	B+	391	A+
599836	D	2609	FT	1286	A+	45		51		225	A-	391	A-
599837	D	2594	FT	1280	A+	42		69		207	B+	408	A-
599838	B	4338	FT	2092	A+	90		77		276	A-	800	A-
599839	A	2594	FT	1280	A-	42		69		207	A-	408	A+
599840	B	2642	FT	1328	A+	48		63		228	A-	409	B+
599841	D	5285	FT	2638	A+	99		122		447	A-	814	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
599842	A	4338	FT	2092	A+	90		77		276	A-	800	A+
599843	B	2609	FT	1286	A+	45		51		225	C-	391	A-
599844	D	4338	FT	2092	A+	90		77		276	A-	800	B-
599845	D	2594	FT	1280	A-	42		69		207	A+	408	A-
599846	C	4338	FT	2092	A-	90		77		276	A-	800	A-
599847	C	2642	FT	1328	A+	48		63		228	A+	409	A-
599848	B	5285	FT	2638	A-	99		122		447	A+	814	A-
599849	C	2643	FT	1310	A+	51		59		219	A-	405	A-
599850	D	2609	FT	1286	A+	45		51		225	A-	391	A-
599851	B	5237	FT	2590	A-	93		128		426	A-	813	A+
599853	D	2642	FT	1328	A+	48		63		228	A+	409	A-
599854	C	2609	FT	1286	A+	45		51		225	A-	391	A+
599855	B	2594	FT	1280	A-	42		69		207	A+	408	A+
599856	C	2642	FT	1328	A-	48		63		228	A-	409	A+
599876	B	2594	FT	1280	A+	42		69		207	A+	408	A+
599877	C	5285	FT	2638	A+	99		122		447	A-	814	A-
599878	D	4338	FT	2092	A+	90		77		276	A-	800	A-
599879	D	4338	FT	2092	B-	90		77		276	C-	800	C-
599880	B	2609	FT	1286	A+	45		51		225	A-	391	A-
599881	D	4338	FT	2092	A-	90		77		276	A-	800	B-
599882	B	2594	FT	1280	A+	42		69		207	A-	408	A-
599883	C	2642	FT	1328	A-	48		63		228	A-	409	A-
599884	D	2643	FT	1310	A-	51		59		219	A-	405	A-
599885	C	4338	FT	2092	A-	90		77		276	A-	800	A+
599886	D	2609	FT	1286	A-	45		51		225	A-	391	A-
599887	B	2594	FT	1280	A-	42		69		207	A+	408	A+
599888	B	4338	FT	2092	A-	90		77		276	A-	800	A-
599889	C	4338	FT	2092	A-	90		77		276	A+	800	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
599890	A	5285	FT	2638	A+	99		122		447	A-	814	A+
599891	B	2609	FT	1286	A+	45		51		225	A+	391	A+
599892	B	2594	FT	1280	A-	42		69		207	A+	408	B+
599893	D	2594	FT	1280	A-	42		69		207	C+	408	A+
599894	C	2642	FT	1328	A+	48		63		228	A+	409	A+
599895	C	2594	FT	1280	A+	42		69		207	B+	408	B+
599896	C	4338	FT	2092	A+	90		77		276	A+	800	A+
599897	B	2642	FT	1328	A+	48		63		228	A+	409	A+
599898	C	2643	FT	1310	A+	51		59		219	B-	405	A-
599899	A	2609	FT	1286	A+	45		51		225	A+	391	A+
599900	C	4338	FT	2092	A+	90		77		276	A-	800	A+
599901	D	4338	FT	2092	A+	90		77		276	A-	800	A-
599902	A	2594	FT	1280	A+	42		69		207	A+	408	A+
599903	D	4338	FT	2092	A+	90		77		276	A-	800	A+
599904	B	4338	FT	2092	A+	90		77		276	A+	800	B+
599906	A	2609	FT	1286	A-	45		51		225	B-	391	A-
599907	B	4338	FT	2092	A-	90		77		276	A-	800	A-
599908	B	5237	FT	2590	A+	93		128		426	A-	813	A-
599909	D	5285	FT	2638	A+	99		122		447	A-	814	A-
599910	A	2609	FT	1286	A-	45		51		225	A-	391	B-
599911	C	4338	FT	2092	A+	90		77		276	A-	800	A+
599912	D	2594	FT	1280	A+	42		69		207	A+	408	A-
600447	B	2594	FT	1280	A+	42		69		207	A-	408	A-
600448	A	2642	FT	1328	B-	48		63		228	A-	409	A+
600449	A	4338	FT	2092	A-	90		77		276	B-	800	A-
600450	C	4338	FT	2092	A-	90		77		276	A+	800	A+
600451	A	2609	FT	1286	A-	45		51		225	A-	391	A-
600452	C	2594	FT	1280	A+	42		69		207	A-	408	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600453	B	2642	FT	1328	A+	48		63		228	B+	409	A+
600454	C	2643	FT	1310	A+	51		59		219	A-	405	A+
600455	B	4338	FT	2092	A+	90		77		276	A+	800	A+
600456	A	5252	FT	2596	A+	96		110		444	A-	796	A+
600457	A	4338	FT	2092	A+	90		77		276	A+	800	A-
600458	C	2594	FT	1280	A+	42		69		207	A-	408	A-
600459	B	2642	FT	1328	A+	48		63		228	A-	409	A+
600460	D	5252	FT	2596	A-	96		110		444	A+	796	A+
600461	B	2609	FT	1286	A+	45		51		225	A-	391	A-
600462	D	5237	FT	2590	A-	93		128		426	A+	813	A+
600463	A	2642	FT	1328	A-	48		63		228	A-	409	A+
600464	B	4338	FT	2092	A-	90		77		276	A+	800	A-
600465	D	4338	FT	2092	A-	90		77		276	A+	800	A+
600466	A	2609	FT	1286	A-	45		51		225	B-	391	A+
600467	D	2594	FT	1280	A-	42		69		207	A-	408	A+
600468	B	2642	FT	1328	A-	48		63		228	A+	409	A-
600469	A	4338	FT	2092	A+	90		77		276	A+	800	B+
600470	D	2642	FT	1328	A-	48		63		228	A-	409	A-
600471	C	2609	FT	1286	A+	45		51		225	A+	391	A+
600472	B	2594	FT	1280	A+	42		69		207	A+	408	A+
600474	D	2642	FT	1328	A+	48		63		228	A-	409	A-
600475	A	2643	FT	1310	A+	51		59		219	B-	405	A-
600476	B	2609	FT	1286	A-	45		51		225	A-	391	A+
600477	A	5237	FT	2590	A+	93		128		426	B-	813	A-
600478	B	2642	FT	1328	A-	48		63		228	A+	409	A+
600816	C	4338	FT	2092	A+	90		77		276	A+	800	A+
600817	A	2609	FT	1286	A-	45		51		225	C-	391	A-
600818	A	5237	FT	2590	A+	93		128		426	A-	813	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603141	A	2609	FT	1286	A+	45		51		225	C-	391	A-
603142	B	5237	FT	2590	A+	93		128		426	B-	813	A-
603143	C	2594	FT	1280	A+	42		69		207	A-	408	A-
603144	D	5285	FT	2638	A-	99		122		447	A+	814	A+
603145	C	2609	FT	1286	A+	45		51		225	A+	391	A+
603146	D	4338	FT	2092	A-	90		77		276	C-	800	A-
603147	B	2594	FT	1280	A+	42		69		207	A-	408	A+
603148	A	2642	FT	1328	A+	48		63		228	A+	409	A-
603149	C	2609	FT	1286	A+	45		51		225	A+	391	A+
603150	D	2594	FT	1280	A+	42		69		207	B+	408	B+
603151	A	2642	FT	1328	A+	48		63		228	A-	409	A-
603152	C	2643	FT	1310	A+	51		59		219	A-	405	A-
603153	D	2609	FT	1286	A+	45		51		225	B-	391	A-
603154	D	2594	FT	1280	A-	42		69		207	A+	408	A+
603156	B	5285	FT	2638	A+	99		122		447	A-	814	A-
603157	D	2609	FT	1286	A+	45		51		225	A-	391	A-

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GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
598842	C	3244	FT	1627	A-	63		69		252	A+	483	A-
598843	A	4923	FT	2391	A-	94		96		285	A-	954	A+
599857	B	3224	FT	1504	A-	68		75		276	B-	481	A-
599858	D	3244	FT	1627	B+	63		69		252	A+	483	B+
599860	C	3244	FT	1627	A-	63		69		252	A-	483	A+
599862	C	3224	FT	1504	A-	68		75		276	A-	481	A-
599865	B	3224	FT	1504	A+	68		75		276	A+	481	A+
599868	C	3224	FT	1504	A+	68		75		276	A-	481	A-
599872	D	3231	FT	1582	A+	49		64		274	A-	474	A+
599873	D	3231	FT	1582	A-	49		64		274	B-	474	A-
599875	A	3224	FT	1504	A+	68		75		276	A-	481	A-
603916	D	3244	FT	1627	A-	63		69		252	A+	483	A+
603918	D	3231	FT	1582	A+	49		64		274	A+	474	A+
603919	C	4923	FT	2391	A-	94		96		285	A+	954	A-
603920	A	3224	FT	1504	A+	68		75		276	A-	481	A-
603921	C	3244	FT	1627	A-	63		69		252	A-	483	A-
603922	A	3231	FT	1582	A-	49		64		274	C-	474	A-
603923	B	4923	FT	2391	A-	94		96		285	A+	954	A+
603924	C	4923	FT	2391	A+	94		96		285	A+	954	A+
603925	A	3231	FT	1582	A-	49		64		274	A+	474	A+
603926	D	3231	FT	1582	A+	49		64		274	A+	474	A+
603927	D	4923	FT	2391	A+	94		96		285	A+	954	A+
603928	A	3224	FT	1504	A-	68		75		276	A+	481	A+
603929	D	3224	FT	1504	A-	68		75		276	A+	481	A+
603930	C	3244	FT	1627	A+	63		69		252	A+	483	A+
603931	B	3244	FT	1627	A+	63		69		252	A+	483	A+
603932	A	3244	FT	1627	A-	63		69		252	B-	483	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603933	D	3231	FT	1582	A-	49		64		274	A+	474	A-
603934	C	3231	FT	1582	A+	49		64		274	A-	474	A+
603935	C	3224	FT	1504	A-	68		75		276	A+	481	A+
603936	A	4923	FT	2391	A+	94		96		285	A-	954	A-
603937	A	3231	FT	1582	A-	49		64		274	A+	474	A-
603938	B	4923	FT	2391	A+	94		96		285	A-	954	B+
603939	D	3244	FT	1627	A+	63		69		252	A-	483	A+
603940	C	3244	FT	1627	A+	63		69		252	A-	483	A+
603941	A	3244	FT	1627	A-	63		69		252	A+	483	A-
603942	B	3231	FT	1582	A+	49		64		274	A-	474	A+
603943	C	4923	FT	2391	A+	94		96		285	A+	954	A-
603944	B	3224	FT	1504	A+	68		75		276	A-	481	A+
603945	C	3244	FT	1627	A+	63		69		252	A+	483	A+
603946	D	3244	FT	1627	A+	63		69		252	A+	483	A-
603947	D	3231	FT	1582	A+	49		64		274	A+	474	A-
603948	A	4923	FT	2391	A+	94		96		285	B-	954	A-
603949	B	3244	FT	1627	A+	63		69		252	A+	483	A-
603950	C	3231	FT	1582	A+	49		64		274	A+	474	A-
603951	B	4923	FT	2391	A-	94		96		285	A+	954	A+
603952	A	3231	FT	1582	A+	49		64		274	B-	474	C-
603953	C	3224	FT	1504	A+	68		75		276	A-	481	A+
603954	C	3244	FT	1627	A+	63		69		252	A-	483	A-
603955	C	4923	FT	2391	A+	94		96		285	A-	954	A-
603957	D	3244	FT	1627	A+	63		69		252	A-	483	A-
603958	B	3231	FT	1582	A+	49		64		274	A+	474	A+
603959	B	4923	FT	2391	A+	94		96		285	B+	954	A-
603960	D	3244	FT	1627	A+	63		69		252	A+	483	A+
603961	C	3244	FT	1627	A+	63		69		252	A+	483	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603962	A	3244	FT	1627	A+	63		69		252	A-	483	A+
603963	B	3231	FT	1582	A+	49		64		274	A+	474	A+
603964	D	3231	FT	1582	A-	49		64		274	A+	474	A+
603965	A	4923	FT	2391	A+	94		96		285	A-	954	A-
603966	A	3224	FT	1504	A+	68		75		276	A+	481	A+
603967	B	3244	FT	1627	A-	63		69		252	A+	483	A-
603968	C	3244	FT	1627	A+	63		69		252	A+	483	A+
603969	A	4923	FT	2391	A-	94		96		285	A+	954	A+
603970	B	3244	FT	1627	A-	63		69		252	A+	483	A+
603971	A	3224	FT	1504	A+	68		75		276	A-	481	A-
603972	B	3244	FT	1627	A-	63		69		252	A-	483	B-
603973	B	3224	FT	1504	A-	68		75		276	A+	481	A-
603974	B	3231	FT	1582	A-	49		64		274	A-	474	A-
603975	A	4923	FT	2391	A-	94		96		285	B-	954	A-
603976	D	3224	FT	1504	A-	68		75		276	A-	481	A-
603977	B	3231	FT	1582	A+	49		64		274	A-	474	C-
603978	B	3224	FT	1504	A-	68		75		276	A+	481	A-
603979	B	4923	FT	2391	B-	94		96		285	A+	954	A-
603981	D	3224	FT	1504	A-	68		75		276	B-	481	A-
603982	B	3244	FT	1627	A-	63		69		252	A-	483	A-
603984	D	3244	FT	1627	A+	63		69		252	A+	483	A-
603985	D	4923	FT	2391	A-	94		96		285	A+	954	A+
603986	D	4923	FT	2391	A-	94		96		285	A+	954	A+
603987	D	3231	FT	1582	A-	49		64		274	A+	474	A-
603988	C	3231	FT	1582	A+	49		64		274	B+	474	A+
603989	A	4923	FT	2391	A+	94		96		285	A-	954	A-
603990	C	3244	FT	1627	B-	63		69		252	B-	483	A-
603991	B	3224	FT	1504	A-	68		75		276	A-	481	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603992	D	4923	FT	2391	A-	94		96		285	A+	954	A-
603998	B	4923	FT	2391	A+	94		96		285	B-	954	A-
603999	C	3224	FT	1504	A+	68		75		276	B-	481	A-
604000	A	4923	FT	2391	A+	94		96		285	A+	954	A+
604001	B	3224	FT	1504	A-	68		75		276	A+	481	A-
604002	C	3224	FT	1504	A-	68		75		276	A-	481	A-
604003	A	4923	FT	2391	A+	94		96		285	A-	954	A-
604004	C	3231	FT	1582	A+	49		64		274	A+	474	A+
604005	C	3231	FT	1582	A+	49		64		274	A-	474	A+
604006	A	4923	FT	2391	A+	94		96		285	A-	954	A-
604007	C	3231	FT	1582	A-	49		64		274	C+	474	C+
604008	B	3224	FT	1504	A+	68		75		276	A+	481	A-
604009	B	3224	FT	1504	A-	68		75		276	A-	481	A-
604010	A	4923	FT	2391	A-	94		96		285	A+	954	B-
604011	B	3244	FT	1627	A-	63		69		252	A+	483	B-
604012	C	3244	FT	1627	A+	63		69		252	B-	483	A-
604013	B	3224	FT	1504	A+	68		75		276	A-	481	A-
604014	D	3244	FT	1627	A+	63		69		252	A-	483	A+
604015	B	3231	FT	1582	A+	49		64		274	A+	474	A+
604016	A	3231	FT	1582	A-	49		64		274	C+	474	A+
604017	A	4923	FT	2391	A-	94		96		285	A+	954	B-
604018	B	4923	FT	2391	A-	94		96		285	B-	954	A-
604019	C	4923	FT	2391	A-	94		96		285	A-	954	A-
604020	A	3244	FT	1627	A-	63		69		252	A-	483	A-
604021	B	3224	FT	1504	A+	68		75		276	B+	481	A+
604022	C	3224	FT	1504	A+	68		75		276	A+	481	A+
604023	D	3244	FT	1627	A-	63		69		252	A+	483	A-
604024	D	4923	FT	2391	A+	94		96		285	A+	954	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
604025	A	3244	FT	1627	A+	63		69		252	A+	483	A+
604026	C	3231	FT	1582	B+	49		64		274	A+	474	B+
604027	C	4923	FT	2391	A-	94		96		285	A+	954	A+
604028	B	3224	FT	1504	A+	68		75		276	A-	481	A+
604029	D	3244	FT	1627	A+	63		69		252	A-	483	A+
604030	D	3231	FT	1582	A+	49		64		274	C+	474	B+
604031	D	4923	FT	2391	A+	94		96		285	C+	954	A+
604032	D	3231	FT	1582	A+	49		64		274	A+	474	A+
604033	D	3231	FT	1582	A+	49		64		274	C+	474	C+
604034	C	3224	FT	1504	A+	68		75		276	B+	481	C+
604035	B	3224	FT	1504	A+	68		75		276	A+	481	A+
604036	C	4923	FT	2391	A-	94		96		285	A+	954	A+
604037	C	3224	FT	1504	A-	68		75		276	A-	481	A+
604038	C	3224	FT	1504	A-	68		75		276	A-	481	A+
604039	B	3224	FT	1504	A-	68		75		276	A-	481	A+
604040	D	3244	FT	1627	A-	63		69		252	A-	483	A-
604041	B	3244	FT	1627	A-	63		69		252	A-	483	A-
604042	C	3231	FT	1582	A+	49		64		274	B-	474	B-
604043	A	3244	FT	1627	A+	63		69		252	A+	483	A-
604044	D	3231	FT	1582	A-	49		64		274	A+	474	A-
604045	D	3224	FT	1504	A+	68		75		276	A-	481	A-
604046	A	4923	FT	2391	A-	94		96		285	A-	954	A-
604047	C	3231	FT	1582	A-	49		64		274	A+	474	A+
604048	C	4923	FT	2391	A+	94		96		285	A+	954	A+
604049	A	3231	FT	1582	A-	49		64		274	B-	474	A-
604050	D	3244	FT	1627	A+	63		69		252	A-	483	B-
604051	A	3224	FT	1504	A+	68		75		276	A+	481	A+
604054	C	3224	FT	1504	A+	68		75		276	A+	481	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
604055	C	3224	FT	1504	A+	68		75		276	A+	481	A+
604056	D	3244	FT	1627	A-	63		69		252	A+	483	A+
604057	A	3224	FT	1504	A+	68		75		276	A-	481	A-
604058	B	4923	FT	2391	A-	94		96		285	A-	954	A+
604059	A	4923	FT	2391	A+	94		96		285	A+	954	A-
604060	A	3231	FT	1582	A-	49		64		274	A+	474	A-
604061	B	3224	FT	1504	A+	68		75		276	A-	481	A-
604062	C	3224	FT	1504	A-	68		75		276	A-	481	A-
604063	D	3224	FT	1504	A+	68		75		276	A+	481	A-
604064	A	4923	FT	2391	A+	94		96		285	A-	954	A-
604065	D	4923	FT	2391	A-	94		96		285	C+	954	A+
604066	C	3224	FT	1504	A+	68		75		276	B+	481	A-
604067	C	3231	FT	1582	A+	49		64		274	A-	474	A-
604068	C	3231	FT	1582	A+	49		64		274	A+	474	A+
604069	C	3231	FT	1582	A+	49		64		274	A-	474	A-
604070	D	4923	FT	2391	A+	94		96		285	A-	954	A-
604071	D	3224	FT	1504	A+	68		75		276	A-	481	A+
604072	B	3224	FT	1504	A+	68		75		276	A-	481	A-
604073	C	3231	FT	1582	A+	49		64		274	A+	474	A+
604074	B	3224	FT	1504	A+	68		75		276	A-	481	A+
604075	D	4923	FT	2391	A+	94		96		285	A-	954	A-
604076	B	3224	FT	1504	A-	68		75		276	A+	481	A+
604077	B	3224	FT	1504	A-	68		75		276	A-	481	A+
604078	A	3231	FT	1582	A+	49		64		274	A-	474	A+
604079	D	4923	FT	2391	A+	94		96		285	A+	954	A-
604080	A	3231	FT	1582	A+	49		64		274	A-	474	A-
604081	A	4923	FT	2391	A+	94		96		285	A-	954	A+
604082	C	4923	FT	2391	A-	94		96		285	A-	954	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
604083	A	3231	FT	1582	B-	49		64		274	A-	474	A-
604085	A	3231	FT	1582	A-	49		64		274	A-	474	A-
604086	B	3244	FT	1627	A-	63		69		252	B-	483	C-
604087	D	3244	FT	1627	A-	63		69		252	A-	483	A-
604088	B	3224	FT	1504	A-	68		75		276	A+	481	A-
604089	A	3231	FT	1582	A-	49		64		274	B-	474	A-
604090	C	4923	FT	2391	A-	94		96		285	A-	954	A-
604091	C	3224	FT	1504	A+	68		75		276	A-	481	A-
604092	C	3231	FT	1582	A-	49		64		274	A-	474	A-
604093	B	3231	FT	1582	A-	49		64		274	A+	474	A+
604094	C	3224	FT	1504	A-	68		75		276	A-	481	A+
604095	D	3224	FT	1504	A-	68		75		276	A-	481	A-
604096	A	3244	FT	1627	A-	63		69		252	A+	483	A-
604097	C	4923	FT	2391	A-	94		96		285	A-	954	A-
604098	B	4923	FT	2391	A-	94		96		285	A-	954	A+
604099	A	3244	FT	1627	A-	63		69		252	A+	483	A+
604100	A	3244	FT	1627	A-	63		69		252	A+	483	A-
604101	C	3244	FT	1627	A+	63		69		252	B-	483	A-
604102	D	4923	FT	2391	A+	94		96		285	A+	954	A+
604103	B	3244	FT	1627	A+	63		69		252	A-	483	A-
604104	C	3231	FT	1582	A-	49		64		274	A-	474	A-
604105	B	3231	FT	1582	A+	49		64		274	A-	474	A-
604106	A	3231	FT	1582	A+	49		64		274	B-	474	A-
604107	D	4923	FT	2391	A-	94		96		285	A+	954	A-
604108	A	3224	FT	1504	A-	68		75		276	A-	481	A-
604109	A	3244	FT	1627	A+	63		69		252	A+	483	A+
604110	A	3244	FT	1627	B-	63		69		252	A+	483	A+
604111	B	3244	FT	1627	A-	63		69		252	A+	483	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
604112	B	3224	FT	1504	A+	68		75		276	A-	481	A-
604113	A	3244	FT	1627	A-	63		69		252	A+	483	A-
604114	A	4923	FT	2391	A+	94		96		285	B-	954	A-
604115	B	3224	FT	1504	A+	68		75		276	A-	481	B-
604116	D	3231	FT	1582	A-	49		64		274	A-	474	A-
604117	A	3231	FT	1582	A-	49		64		274	A-	474	A-
604118	B	3224	FT	1504	A+	68		75		276	A+	481	A-
604119	C	3224	FT	1504	A-	68		75		276	B+	481	A+
604120	D	3224	FT	1504	A-	68		75		276	A+	481	A+
604121	A	4923	FT	2391	A-	94		96		285	A-	954	B-
604122	B	3244	FT	1627	A-	63		69		252	B+	483	A+
604123	C	3244	FT	1627	A+	63		69		252	C-	483	A-
604124	B	3231	FT	1582	A-	49		64		274	A+	474	A+
604125	D	3224	FT	1504	A+	68		75		276	A-	481	A-
604126	D	4923	FT	2391	A+	94		96		285	A-	954	A+
604127	A	3244	FT	1627	A+	63		69		252	A-	483	A-
604128	D	3231	FT	1582	A-	49		64		274	A-	474	A-
604129	D	3231	FT	1582	A-	49		64		274	A-	474	A+
604130	D	3231	FT	1582	A-	49		64		274	A+	474	A+
604131	B	4923	FT	2391	B+	94		96		285	A+	954	A+
604132	D	3224	FT	1504	A+	68		75		276	A+	481	A+
604133	C	3244	FT	1627	A+	63		69		252	A+	483	B+
604134	A	3231	FT	1582	A+	49		64		274	A-	474	A+
604135	D	4923	FT	2391	B+	94		96		285	A+	954	A+
604136	C	4923	FT	2391	A+	94		96		285	B+	954	A+
604137	C	3224	FT	1504	A+	68		75		276	A+	481	B+
604138	B	3244	FT	1627	A+	63		69		252	A+	483	A+
604139	C	3244	FT	1627	A+	63		69		252	B+	483	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
604140	C	3244	FT	1627	A+	63		69		252	B+	483	A+
604141	C	4923	FT	2391	A+	94		96		285	C+	954	A+
604142	C	3244	FT	1627	A-	63		69		252	A-	483	A-
604143	D	4923	FT	2391	A-	94		96		285	A-	954	A+
604144	A	4923	FT	2391	A-	94		96		285	A+	954	A+
604145	B	3231	FT	1582	A-	49		64		274	A+	474	A+
604146	C	3231	FT	1582	A-	49		64		274	A-	474	A+
604147	A	3231	FT	1582	A-	49		64		274	A+	474	A-
604148	D	3244	FT	1627	A+	63		69		252	A+	483	A-
604149	D	3231	FT	1582	A+	49		64		274	A-	474	B-
604150	D	4923	FT	2391	A-	94		96		285	A-	954	A-
604151	C	3244	FT	1627	A+	63		69		252	A+	483	A+
604152	B	4923	FT	2391	A+	94		96		285	A-	954	A-
604153	A	3244	FT	1627	A+	63		69		252	A-	483	A-
604154	C	4923	FT	2391	A-	94		96		285	A-	954	A-
604155	D	3224	FT	1504	B+	68		75		276	A-	481	A+
604157	A	3231	FT	1582	A-	49		64		274	A-	474	A+

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GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
598844	C	5075	FT	2519	A-	90		101		342	A-	920	A-
598845	C	5075	FT	2519	A-	90		101		342	A-	920	A+
603386	C	3115	FT	1530	A+	55		71		228	A+	452	A+
603387	C	3175	FT	1543	A+	59		77		276	A+	420	A+
603388	B	3151	FT	1517	A+	62		71		232	A-	451	A-
603389	D	3115	FT	1530	A-	55		71		228	A+	452	A+
603391	D	5075	FT	2519	A+	90		101		342	A-	920	A-
603392	C	5075	FT	2519	A+	90		101		342	B+	920	A+
603393	C	3115	FT	1530	A+	55		71		228	A+	452	A-
603394	B	3175	FT	1543	A+	59		77		276	A-	420	A-
603395	C	5075	FT	2519	A+	90		101		342	A+	920	A+
603396	C	5075	FT	2519	A+	90		101		342	A+	920	A-
603397	A	3151	FT	1517	A+	62		71		232	A+	451	A+
603398	D	3115	FT	1530	B+	55		71		228	A-	452	A+
603399	D	5075	FT	2519	A+	90		101		342	A-	920	A-
603400	C	3175	FT	1543	A+	59		77		276	A+	420	A+
603401	D	3151	FT	1517	A+	62		71		232	A-	451	A+
603402	A	3115	FT	1530	A+	55		71		228	A-	452	A+
603403	A	3175	FT	1543	A+	59		77		276	A+	420	A+
603404	C	3151	FT	1517	A+	62		71		232	B-	451	A-
603405	C	3115	FT	1530	A+	55		71		228	C-	452	A-
603406	B	5075	FT	2519	A+	90		101		342	A+	920	A+
603407	C	3175	FT	1543	A-	59		77		276	A+	420	A+
603409	B	5075	FT	2519	A+	90		101		342	A+	920	A-
603410	D	5075	FT	2519	A+	90		101		342	A-	920	A+
603412	B	5075	FT	2519	A-	90		101		342	A-	920	A-
603413	A	3115	FT	1530	A+	55		71		228	C+	452	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603414	D	3175	FT	1543	A-	59		77		276	A+	420	A-
603415	A	3151	FT	1517	A+	62		71		232	A-	451	A-
603418	A	3175	FT	1543	A+	59		77		276	A-	420	A+
603419	B	3151	FT	1517	A+	62		71		232	A-	451	A+
603420	D	5075	FT	2519	A+	90		101		342	A-	920	A+
603421	B	5075	FT	2519	A+	90		101		342	A+	920	A+
603422	C	3151	FT	1517	B+	62		71		232	A-	451	A-
603424	D	5075	FT	2519	A+	90		101		342	A+	920	B+
603425	B	3115	FT	1530	A+	55		71		228	A+	452	A-
603426	A	3175	FT	1543	A-	59		77		276	A+	420	A-
603427	B	5075	FT	2519	A-	90		101		342	A+	920	A+
603428	D	3151	FT	1517	A+	62		71		232	A+	451	A-
603429	D	3115	FT	1530	A+	55		71		228	A-	452	A-
603430	B	3115	FT	1530	A+	55		71		228	A-	452	A-
603432	B	3175	FT	1543	A-	59		77		276	A+	420	A-
603433	B	5075	FT	2519	A+	90		101		342	A-	920	A+
603434	B	3151	FT	1517	A-	62		71		232	A+	451	A+
603435	D	3115	FT	1530	A+	55		71		228	A+	452	A-
603436	C	5075	FT	2519	A+	90		101		342	A-	920	A+
603437	D	3175	FT	1543	A-	59		77		276	A-	420	A+
603438	B	3151	FT	1517	A+	62		71		232	C-	451	B-
603439	B	3115	FT	1530	A-	55		71		228	A-	452	A-
603440	A	3175	FT	1543	A+	59		77		276	A-	420	B-
603441	C	3151	FT	1517	A-	62		71		232	A-	451	A+
603442	D	3115	FT	1530	A-	55		71		228	A-	452	A+
603443	D	3175	FT	1543	A+	59		77		276	A-	420	A-
603444	A	3151	FT	1517	A-	62		71		232	A-	451	A+
603445	D	5075	FT	2519	A+	90		101		342	A+	920	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603446	A	3115	FT	1530	A-	55		71		228	A+	452	A+
603447	C	3175	FT	1543	A+	59		77		276	A+	420	A+
603448	D	3151	FT	1517	C-	62		71		232	A-	451	A-
603449	A	3175	FT	1543	A+	59		77		276	A-	420	A-
603450	B	3151	FT	1517	A-	62		71		232	A-	451	A-
603451	D	5075	FT	2519	C-	90		101		342	A-	920	A-
603452	A	5075	FT	2519	A-	90		101		342	A-	920	A+
603453	B	5075	FT	2519	A-	90		101		342	A-	920	A+
603454	C	3115	FT	1530	A+	55		71		228	A+	452	A-
603457	B	3115	FT	1530	A-	55		71		228	B-	452	A-
603458	A	5075	FT	2519	A+	90		101		342	A-	920	A-
603459	D	3175	FT	1543	A-	59		77		276	A-	420	A-
603460	D	3151	FT	1517	A-	62		71		232	A-	451	A-
603462	C	3115	FT	1530	A-	55		71		228	B-	452	A-
603463	B	3115	FT	1530	A-	55		71		228	A-	452	A-
603465	B	3175	FT	1543	A-	59		77		276	A-	420	A-
603466	C	5075	FT	2519	A+	90		101		342	A-	920	A+
603467	C	3151	FT	1517	A+	62		71		232	A-	451	A-
603468	C	3115	FT	1530	A-	55		71		228	A-	452	A-
603469	A	3175	FT	1543	A-	59		77		276	A+	420	A-
603470	D	5075	FT	2519	A-	90		101		342	A+	920	A-
603471	C	3151	FT	1517	A-	62		71		232	A+	451	A-
603472	C	5075	FT	2519	A-	90		101		342	A+	920	A+
603473	D	3115	FT	1530	A+	55		71		228	A+	452	A+
603475	D	3175	FT	1543	A-	59		77		276	A+	420	A+
603476	D	3151	FT	1517	A-	62		71		232	A-	451	A-
603477	C	3115	FT	1530	A+	55		71		228	A-	452	B-
603478	B	3175	FT	1543	A+	59		77		276	B+	420	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603479	B	5075	FT	2519	A-	90		101		342	B-	920	B-
603480	D	5075	FT	2519	A+	90		101		342	A+	920	A+
603481	C	5075	FT	2519	A-	90		101		342	A-	920	A-
603482	A	5075	FT	2519	A-	90		101		342	A+	920	A-
603484	D	5075	FT	2519	A-	90		101		342	A-	920	A-
603486	C	3115	FT	1530	A-	55		71		228	A-	452	A+
603487	C	3151	FT	1517	A+	62		71		232	A-	451	A-
603488	A	3115	FT	1530	A+	55		71		228	A+	452	A-
603489	C	3175	FT	1543	A+	59		77		276	A+	420	A-
603490	D	5075	FT	2519	A-	90		101		342	A+	920	A-
603491	D	5075	FT	2519	A+	90		101		342	A+	920	A-
603492	B	5075	FT	2519	A+	90		101		342	C+	920	A+
603493	C	3151	FT	1517	A+	62		71		232	A+	451	A+
603494	C	3115	FT	1530	A+	55		71		228	A+	452	A+
603495	A	3175	FT	1543	A+	59		77		276	A-	420	A+
603498	D	3151	FT	1517	A+	62		71		232	A+	451	A+
603499	D	5075	FT	2519	A-	90		101		342	A+	920	A+
603500	A	3115	FT	1530	A+	55		71		228	A+	452	A+
603501	D	3151	FT	1517	A+	62		71		232	B-	451	A-
603503	D	3115	FT	1530	A-	55		71		228	A-	452	A+
603504	D	3175	FT	1543	A+	59		77		276	B+	420	A+
603505	B	3151	FT	1517	A-	62		71		232	A-	451	A+
603506	C	3115	FT	1530	A+	55		71		228	A-	452	A+
603508	A	3175	FT	1543	A-	59		77		276	A-	420	A-
603509	B	3151	FT	1517	A+	62		71		232	A-	451	A-
603510	D	5075	FT	2519	A+	90		101		342	A-	920	A+
603511	A	3115	FT	1530	A-	55		71		228	A-	452	A-
603512	C	3151	FT	1517	A-	62		71		232	C+	451	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603513	D	5075	FT	2519	A+	90		101		342	A-	920	A+
603514	B	3115	FT	1530	A+	55		71		228	A+	452	A+
603515	A	3175	FT	1543	A+	59		77		276	A+	420	B+
603517	B	3151	FT	1517	A-	62		71		232	A-	451	A-
603518	B	3115	FT	1530	A+	55		71		228	A-	452	A+
603519	A	5075	FT	2519	A-	90		101		342	A-	920	A-
603520	C	3175	FT	1543	A-	59		77		276	A-	420	A-
603522	D	3175	FT	1543	B+	59		77		276	A-	420	A-
603523	B	3151	FT	1517	A+	62		71		232	A+	451	A+
603524	C	3151	FT	1517	A+	62		71		232	A-	451	A-
603525	B	3115	FT	1530	A-	55		71		228	A-	452	A-
603526	B	5075	FT	2519	A-	90		101		342	A-	920	A-
603528	C	3175	FT	1543	A+	59		77		276	A+	420	A-
603529	B	3151	FT	1517	A+	62		71		232	A+	451	A-
603530	C	5075	FT	2519	A+	90		101		342	A-	920	A-
603531	A	3115	FT	1530	A+	55		71		228	A+	452	A-
603532	C	3115	FT	1530	A-	55		71		228	A-	452	A-
603533	D	3175	FT	1543	A+	59		77		276	A+	420	A+
603534	B	3151	FT	1517	A+	62		71		232	B+	451	A+
603535	C	3115	FT	1530	A-	55		71		228	A-	452	A+
603536	C	3175	FT	1543	A+	59		77		276	A+	420	A+
603537	A	3151	FT	1517	A+	62		71		232	A-	451	A-
603538	C	5075	FT	2519	A+	90		101		342	A-	920	A+
603539	C	3151	FT	1517	A+	62		71		232	B-	451	A+
603540	B	3175	FT	1543	A+	59		77		276	A-	420	A-
603541	A	3151	FT	1517	A-	62		71		232	A+	451	A-
603542	C	3115	FT	1530	A+	55		71		228	A+	452	A+
603543	B	3175	FT	1543	A-	59		77		276	A-	420	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603544	A	5075	FT	2519	A+	90		101		342	A-	920	A+
603545	B	3175	FT	1543	A+	59		77		276	A+	420	A+
603546	A	3151	FT	1517	A+	62		71		232	A-	451	A+
603548	D	3115	FT	1530	A+	55		71		228	C-	452	B-
603551	A	3151	FT	1517	A+	62		71		232	A-	451	A-
603552	B	3151	FT	1517	A+	62		71		232	A-	451	A-
603553	B	3115	FT	1530	A-	55		71		228	B-	452	A-
603554	C	3175	FT	1543	A-	59		77		276	A-	420	A-
603556	C	3115	FT	1530	A+	55		71		228	A+	452	A+
603557	C	5075	FT	2519	A+	90		101		342	A-	920	A-
603558	B	5075	FT	2519	A+	90		101		342	A+	920	A-
603560	B	3115	FT	1530	A-	55		71		228	A-	452	A+
603562	B	3115	FT	1530	A-	55		71		228	A-	452	A+
603563	C	3175	FT	1543	A-	59		77		276	A-	420	A-
603564	D	3151	FT	1517	B-	62		71		232	A+	451	A+
603565	D	3175	FT	1543	A+	59		77		276	A+	420	A-
603566	B	3151	FT	1517	A+	62		71		232	A-	451	A+
603569	C	3175	FT	1543	A-	59		77		276	C-	420	B-
603570	D	3151	FT	1517	B-	62		71		232	A-	451	A-
603573	C	3175	FT	1543	A-	59		77		276	A+	420	B+
603574	D	5075	FT	2519	A+	90		101		342	A-	920	A-
603575	D	3151	FT	1517	A+	62		71		232	A+	451	B+
603576	D	3115	FT	1530	A+	55		71		228	A+	452	B+
603577	D	3175	FT	1543	A+	59		77		276	A+	420	B+
603578	A	5075	FT	2519	A+	90		101		342	A-	920	A-
603579	A	3151	FT	1517	A+	62		71		232	A+	451	A+
603610	B	5075	FT	2519	A-	90		101		342	A-	920	A-
603612	C	5075	FT	2519	A-	90		101		342	A-	920	B-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603614	B	3115	FT	1530	A-	55		71		228	A-	452	A-
603616	C	3175	FT	1543	A+	59		77		276	A-	420	A+
603617	A	3151	FT	1517	A-	62		71		232	A-	451	A-
603618	C	3115	FT	1530	A-	55		71		228	A+	452	A-
603619	C	3175	FT	1543	A+	59		77		276	A+	420	A-
603620	A	3151	FT	1517	A-	62		71		232	C+	451	A+
603621	D	3175	FT	1543	A-	59		77		276	A-	420	A-
603622	A	3115	FT	1530	A+	55		71		228	A+	452	A-
603623	B	3151	FT	1517	A-	62		71		232	A-	451	A+
603624	D	3151	FT	1517	A+	62		71		232	A+	451	A+
603625	C	3175	FT	1543	A+	59		77		276	A+	420	A-
603627	C	3151	FT	1517	A+	62		71		232	A+	451	A+
603628	D	3115	FT	1530	A+	55		71		228	A+	452	A-
603629	C	3175	FT	1543	A+	59		77		276	A+	420	B-
603631	C	3151	FT	1517	A+	62		71		232	A+	451	A-
603632	C	3175	FT	1543	A-	59		77		276	A-	420	A+
603633	C	3151	FT	1517	A-	62		71		232	A-	451	A+
603634	C	3115	FT	1530	A+	55		71		228	A-	452	A+
603635	C	3175	FT	1543	A+	59		77		276	A+	420	A+
603636	D	3151	FT	1517	B-	62		71		232	C-	451	A-
603637	C	3115	FT	1530	A-	55		71		228	A+	452	A+
603638	B	3175	FT	1543	B-	59		77		276	A-	420	A-
603639	D	3151	FT	1517	A-	62		71		232	A-	451	A-
603641	B	5075	FT	2519	A-	90		101		342	A+	920	A+
603643	B	5075	FT	2519	A-	90		101		342	A-	920	A-
603645	D	3115	FT	1530	C-	55		71		228	A-	452	A+
603646	B	3175	FT	1543	B-	59		77		276	A-	420	A+
603647	D	3151	FT	1517	A+	62		71		232	A+	451	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603648	A	3115	FT	1530	A+	55		71		228	A+	452	A-
603650	B	3115	FT	1530	A-	55		71		228	B-	452	A-
603651	B	3175	FT	1543	A-	59		77		276	B-	420	A-
603653	C	3151	FT	1517	A-	62		71		232	A-	451	A-
603655	D	3115	FT	1530	A+	55		71		228	A-	452	A-
603656	A	5075	FT	2519	A-	90		101		342	A-	920	A-
603657	D	3175	FT	1543	B-	59		77		276	B+	420	A+
603658	D	3151	FT	1517	A-	62		71		232	A-	451	A-
603659	D	5075	FT	2519	A-	90		101		342	A-	920	A+
603660	C	3175	FT	1543	A-	59		77		276	A+	420	A-
603663	B	3115	FT	1530	A+	55		71		228	A+	452	A+
603664	C	3175	FT	1543	A-	59		77		276	A-	420	A-
603665	C	3151	FT	1517	A+	62		71		232	B+	451	A-
603666	B	5075	FT	2519	A+	90		101		342	A+	920	A-
603667	D	3115	FT	1530	A-	55		71		228	A+	452	A-
603668	B	3175	FT	1543	A+	59		77		276	B+	420	B+
603669	B	3151	FT	1517	A+	62		71		232	A+	451	A+
603671	D	3115	FT	1530	A+	55		71		228	A+	452	A+
603672	B	3175	FT	1543	A+	59		77		276	A+	420	A+
603674	C	5075	FT	2519	A-	90		101		342	A+	920	A-
603676	C	3115	FT	1530	A+	55		71		228	B+	452	A+
603677	D	3175	FT	1543	A+	59		77		276	A+	420	A+
603678	B	3151	FT	1517	A+	62		71		232	A+	451	A+
603679	C	3115	FT	1530	A-	55		71		228	A-	452	A-
603680	D	3175	FT	1543	A+	59		77		276	B+	420	A+
603681	D	3151	FT	1517	A+	62		71		232	A+	451	A-
603683	A	5075	FT	2519	A+	90		101		342	A-	920	A+
603684	C	5075	FT	2519	A+	90		101		342	A-	920	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603685	C	5075	FT	2519	A-	90		101		342	A+	920	A+
603686	C	3115	FT	1530	A-	55		71		228	A+	452	A-
603687	A	3175	FT	1543	A-	59		77		276	A+	420	A+
603688	A	5075	FT	2519	A-	90		101		342	A-	920	A-
603689	C	3151	FT	1517	A-	62		71		232	A-	451	A-
603690	B	3115	FT	1530	A+	55		71		228	A-	452	A-
603691	A	3175	FT	1543	A-	59		77		276	C-	420	A-
603692	C	3175	FT	1543	A-	59		77		276	A+	420	A+
603693	D	3151	FT	1517	A+	62		71		232	A+	451	A-
603694	B	3115	FT	1530	B-	55		71		228	A-	452	A-
603695	D	5075	FT	2519	A+	90		101		342	A-	920	A-
603697	D	3175	FT	1543	A+	59		77		276	A+	420	A+
603698	D	3151	FT	1517	A-	62		71		232	B+	451	A+
603699	C	3115	FT	1530	A+	55		71		228	A-	452	A-
603703	C	3175	FT	1543	A-	59		77		276	A-	420	A-
603704	D	5075	FT	2519	A+	90		101		342	A+	920	A-
603708	B	5075	FT	2519	A+	90		101		342	B+	920	A+

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GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
598846	B	3193	FT	1573	A+	39		66		245	A+	464	A+
598847	C	4803	FT	2368	A+	96		93		317	A-	802	A-
603158	B	3188	FT	1552	A+	48		53		221	A+	456	B-
603159	A	4803	FT	2368	A-	96		93		317	A-	802	A-
603160	D	4803	FT	2368	A+	96		93		317	A+	802	A+
603161	A	3193	FT	1573	A+	39		66		245	A+	464	A+
603162	B	3194	FT	1547	A+	47		67		272	A+	450	A+
603163	A	4803	FT	2368	A+	96		93		317	A+	802	A+
603164	C	3194	FT	1547	A+	47		67		272	A-	450	A+
603165	C	3188	FT	1552	A+	48		53		221	A-	456	A+
603166	D	4803	FT	2368	B-	96		93		317	A-	802	A+
603167	B	3194	FT	1547	A+	47		67		272	A+	450	A-
603168	B	3194	FT	1547	A+	47		67		272	A+	450	A+
603169	D	4803	FT	2368	A+	96		93		317	A+	802	A+
603170	D	3188	FT	1552	A-	48		53		221	A+	456	A-
603171	D	4803	FT	2368	A-	96		93		317	A-	802	A-
603172	D	3194	FT	1547	A+	47		67		272	A-	450	A-
603173	C	3188	FT	1552	A-	48		53		221	A-	456	A-
603174	B	3188	FT	1552	A+	48		53		221	A+	456	A+
603175	D	3193	FT	1573	A-	39		66		245	A+	464	A+
603176	B	3194	FT	1547	A+	47		67		272	A+	450	A+
603177	D	4803	FT	2368	A+	96		93		317	B+	802	A-
603178	D	3194	FT	1547	A-	47		67		272	A-	450	A+
603179	D	3188	FT	1552	B-	48		53		221	A-	456	A-
603180	B	3193	FT	1573	A+	39		66		245	A+	464	A-
603181	C	3194	FT	1547	A-	47		67		272	A+	450	A-
603182	A	3188	FT	1552	A+	48		53		221	A-	456	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603183	B	3194	FT	1547	A-	47		67		272	A-	450	A+
603184	C	4803	FT	2368	A-	96		93		317	A+	802	A-
603185	C	3188	FT	1552	A+	48		53		221	A-	456	A+
603186	C	4803	FT	2368	A+	96		93		317	A+	802	A+
603187	A	3194	FT	1547	A-	47		67		272	B-	450	A-
603188	C	3188	FT	1552	A+	48		53		221	A+	456	A+
603189	B	3188	FT	1552	A+	48		53		221	A+	456	A+
603190	A	3188	FT	1552	A-	48		53		221	B-	456	A-
603191	B	3193	FT	1573	A-	39		66		245	B-	464	A-
603192	A	4803	FT	2368	B-	96		93		317	A-	802	A-
603193	B	3188	FT	1552	A-	48		53		221	A+	456	A+
603194	C	3193	FT	1573	A+	39		66		245	A+	464	A+
603195	D	3194	FT	1547	A+	47		67		272	A-	450	A-
603196	A	4803	FT	2368	A+	96		93		317	A-	802	A+
603197	D	4803	FT	2368	A+	96		93		317	A-	802	A+
603199	B	3188	FT	1552	A+	48		53		221	A+	456	A-
603200	C	3193	FT	1573	A-	39		66		245	A+	464	A+
603201	A	3194	FT	1547	A-	47		67		272	A-	450	A-
603202	D	3193	FT	1573	A+	39		66		245	B-	464	A-
603203	D	3194	FT	1547	A-	47		67		272	A-	450	A-
603204	C	3188	FT	1552	A+	48		53		221	A-	456	A-
603205	A	3188	FT	1552	A+	48		53		221	A+	456	A-
603206	A	3193	FT	1573	A+	39		66		245	A-	464	A-
603207	D	3194	FT	1547	A+	47		67		272	A+	450	A+
603208	C	3188	FT	1552	A-	48		53		221	A+	456	A-
603209	C	4803	FT	2368	A-	96		93		317	A+	802	A-
603210	C	3193	FT	1573	A+	39		66		245	C+	464	A+
603211	B	3194	FT	1547	A+	47		67		272	A+	450	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603212	D	4803	FT	2368	A-	96		93		317	A+	802	A+
603213	C	3188	FT	1552	A+	48		53		221	A-	456	A-
603214	A	3193	FT	1573	A+	39		66		245	A-	464	A+
603215	B	3188	FT	1552	A+	48		53		221	A+	456	A+
603216	C	3193	FT	1573	A-	39		66		245	A+	464	A+
603217	B	4803	FT	2368	A+	96		93		317	A+	802	A+
603218	A	3188	FT	1552	A+	48		53		221	C-	456	C-
603219	B	3193	FT	1573	A-	39		66		245	A-	464	B-
603220	D	3194	FT	1547	A-	47		67		272	A+	450	A-
603221	D	3188	FT	1552	A+	48		53		221	A+	456	A+
603222	C	3188	FT	1552	A-	48		53		221	A+	456	A+
603223	B	3193	FT	1573	A+	39		66		245	A-	464	A-
603224	C	4803	FT	2368	A+	96		93		317	A-	802	A+
603225	C	4803	FT	2368	A-	96		93		317	A-	802	A-
603226	B	3194	FT	1547	A+	47		67		272	A+	450	A+
603227	B	3193	FT	1573	A-	39		66		245	A+	464	A-
603228	B	4803	FT	2368	A-	96		93		317	B-	802	A-
603229	C	4803	FT	2368	A+	96		93		317	B+	802	A+
603230	B	3193	FT	1573	A+	39		66		245	A+	464	A-
603231	B	4803	FT	2368	A+	96		93		317	B-	802	A-
603232	D	3194	FT	1547	A+	47		67		272	A-	450	A-
603233	A	4803	FT	2368	A+	96		93		317	A-	802	A-
603234	D	3193	FT	1573	A+	39		66		245	A+	464	A+
603235	C	3194	FT	1547	A+	47		67		272	A+	450	A+
603236	C	3193	FT	1573	A-	39		66		245	A+	464	A+
603237	D	3194	FT	1547	A-	47		67		272	A-	450	A-
603238	C	3188	FT	1552	A-	48		53		221	A+	456	A-
603239	D	3193	FT	1573	A+	39		66		245	A-	464	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603240	D	3194	FT	1547	A+	47		67		272	A-	450	A+
603241	D	3188	FT	1552	A+	48		53		221	A+	456	A+
603242	A	4803	FT	2368	A+	96		93		317	A+	802	A+
603243	D	4803	FT	2368	A+	96		93		317	A-	802	A-
603244	A	3193	FT	1573	A+	39		66		245	A+	464	A+
603245	B	4803	FT	2368	A-	96		93		317	A+	802	A-
603246	D	3194	FT	1547	A-	47		67		272	C+	450	C+
603247	A	3188	FT	1552	A-	48		53		221	A-	456	A-
603248	D	3193	FT	1573	A+	39		66		245	A+	464	A+
603249	D	3194	FT	1547	A+	47		67		272	A+	450	B+
603250	D	4803	FT	2368	A+	96		93		317	A+	802	A+
603251	B	3188	FT	1552	A-	48		53		221	A-	456	A+
603252	B	3194	FT	1547	A-	47		67		272	B-	450	A-
603253	C	3188	FT	1552	B-	48		53		221	A-	456	A-
603254	A	3193	FT	1573	A-	39		66		245	A-	464	A-
603255	D	4803	FT	2368	B-	96		93		317	A-	802	B-
603256	A	3194	FT	1547	A-	47		67		272	B-	450	A-
603257	A	3188	FT	1552	A+	48		53		221	A-	456	C-
603258	D	3194	FT	1547	A+	47		67		272	A+	450	A-
603259	B	4803	FT	2368	A+	96		93		317	A-	802	A+
603260	D	4803	FT	2368	A+	96		93		317	A-	802	A+
603262	C	3194	FT	1547	A+	47		67		272	A+	450	A-
603263	A	3188	FT	1552	A-	48		53		221	A+	456	A+
603264	B	3193	FT	1573	A+	39		66		245	A+	464	A+
603265	D	3194	FT	1547	A-	47		67		272	A+	450	A+
603266	C	4803	FT	2368	A+	96		93		317	B-	802	A-
603267	B	3188	FT	1552	A-	48		53		221	A-	456	A-
603268	D	3194	FT	1547	C-	47		67		272	B-	450	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603269	D	3188	FT	1552	A-	48		53		221	A+	456	B+
603270	A	3193	FT	1573	A+	39		66		245	A+	464	A-
603271	B	3194	FT	1547	A+	47		67		272	A+	450	A+
603272	B	4803	FT	2368	A+	96		93		317	A+	802	A+
603273	B	3188	FT	1552	A-	48		53		221	A+	456	A+
603274	A	3193	FT	1573	A+	39		66		245	A-	464	A-
603275	A	3194	FT	1547	A+	47		67		272	A-	450	A-
603276	A	3188	FT	1552	A+	48		53		221	A-	456	A-
603277	A	3193	FT	1573	A-	39		66		245	B-	464	A-
603278	B	4803	FT	2368	A+	96		93		317	A+	802	B+
603279	A	3188	FT	1552	A-	48		53		221	A+	456	A-
603280	C	3193	FT	1573	C-	39		66		245	A+	464	A+
603281	C	3194	FT	1547	A-	47		67		272	A+	450	A-
603282	B	3188	FT	1552	A+	48		53		221	A-	456	A+
603283	D	3193	FT	1573	A-	39		66		245	A+	464	A-
603284	D	3194	FT	1547	A+	47		67		272	A+	450	A+
603285	C	3188	FT	1552	A-	48		53		221	A+	456	A-
603286	A	3193	FT	1573	A+	39		66		245	B-	464	A-
603287	C	3194	FT	1547	A+	47		67		272	A-	450	A-
603288	D	3193	FT	1573	A+	39		66		245	A-	464	A+
603289	D	4803	FT	2368	A+	96		93		317	A+	802	A-
603290	A	3193	FT	1573	A+	39		66		245	A+	464	A-
603291	B	3194	FT	1547	A+	47		67		272	B+	450	A+
603292	A	4803	FT	2368	A-	96		93		317	A-	802	A-
603293	C	3188	FT	1552	A+	48		53		221	A+	456	A-
603294	C	3193	FT	1573	A-	39		66		245	A-	464	A-
603295	A	4803	FT	2368	A+	96		93		317	A-	802	A-
603296	C	3194	FT	1547	A+	47		67		272	B+	450	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603297	D	4803	FT	2368	A+	96		93		317	A+	802	A+
603298	D	3188	FT	1552	A+	48		53		221	A-	456	A+
603299	C	3193	FT	1573	A+	39		66		245	A+	464	A-
603300	B	3193	FT	1573	A+	39		66		245	B+	464	A-
603301	C	3194	FT	1547	A+	47		67		272	A-	450	A+
603302	B	3188	FT	1552	A+	48		53		221	A+	456	A+
603303	B	3193	FT	1573	A+	39		66		245	A+	464	A+
603304	B	3194	FT	1547	A-	47		67		272	A+	450	A+
603305	C	4803	FT	2368	A+	96		93		317	A+	802	A+
603306	B	3188	FT	1552	A+	48		53		221	A-	456	A+
603307	A	3194	FT	1547	A+	47		67		272	A+	450	A+
603308	C	3188	FT	1552	A+	48		53		221	A-	456	A-
603309	C	4803	FT	2368	A-	96		93		317	A-	802	A+
603310	B	3193	FT	1573	A-	39		66		245	A+	464	A-
603311	B	3194	FT	1547	A-	47		67		272	A-	450	A-
603312	B	3193	FT	1573	A-	39		66		245	A-	464	A-
603313	B	4803	FT	2368	A-	96		93		317	A+	802	B-
603314	D	3194	FT	1547	A+	47		67		272	A-	450	A-
603315	D	3188	FT	1552	A-	48		53		221	A-	456	A-
603316	C	3193	FT	1573	A-	39		66		245	B-	464	A-
603317	A	3194	FT	1547	A-	47		67		272	B-	450	A-
603318	B	3188	FT	1552	A+	48		53		221	A+	456	A+
603319	B	3193	FT	1573	A+	39		66		245	A+	464	A+
603320	B	4803	FT	2368	A-	96		93		317	A+	802	A-
603321	A	3193	FT	1573	A-	39		66		245	C-	464	B-
603322	C	4803	FT	2368	A-	96		93		317	A+	802	A-
603323	C	3194	FT	1547	A+	47		67		272	A+	450	A-
603324	B	3188	FT	1552	A+	48		53		221	A-	456	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603325	A	3193	FT	1573	A+	39		66		245	C-	464	B-
603326	D	3194	FT	1547	A+	47		67		272	A-	450	A-
603327	C	3188	FT	1552	A+	48		53		221	A-	456	A-
603328	B	4803	FT	2368	A+	96		93		317	A+	802	A-
603329	B	3193	FT	1573	A+	39		66		245	A+	464	A+
603330	B	3194	FT	1547	A-	47		67		272	A-	450	B-
603331	D	3188	FT	1552	A-	48		53		221	A-	456	A-
603332	C	3193	FT	1573	A-	39		66		245	A+	464	A-
603333	C	3194	FT	1547	A+	47		67		272	A+	450	A-
603335	D	3188	FT	1552	A+	48		53		221	A-	456	A-
603336	C	3193	FT	1573	A-	39		66		245	A+	464	A+
603337	C	3188	FT	1552	A+	48		53		221	A-	456	A-
603338	D	3193	FT	1573	A-	39		66		245	A-	464	A-
603339	C	4803	FT	2368	A+	96		93		317	A-	802	A+
603340	C	3193	FT	1573	A+	39		66		245	C+	464	A+
603341	D	3194	FT	1547	A-	47		67		272	A-	450	A-
603342	B	3193	FT	1573	A-	39		66		245	A-	464	A-
603343	B	3194	FT	1547	A-	47		67		272	A+	450	A+
603344	D	3188	FT	1552	A+	48		53		221	A+	456	A+
603345	C	3193	FT	1573	A-	39		66		245	A+	464	A+
603346	A	4803	FT	2368	A-	96		93		317	A+	802	A-
603347	A	4803	FT	2368	A+	96		93		317	B-	802	A-
603348	D	4803	FT	2368	A-	96		93		317	A-	802	A-
603349	A	3194	FT	1547	A-	47		67		272	A+	450	A+
603350	C	3188	FT	1552	A-	48		53		221	A+	456	B+
603351	B	3193	FT	1573	A-	39		66		245	A-	464	A-
603352	C	3194	FT	1547	A-	47		67		272	A+	450	A+
603353	B	4803	FT	2368	A-	96		93		317	A-	802	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603354	B	3193	FT	1573	A+	39		66		245	A-	464	A+
603355	A	3194	FT	1547	A-	47		67		272	A-	450	A-
603356	C	4803	FT	2368	A+	96		93		317	A+	802	A+
603357	B	3193	FT	1573	A+	39		66		245	A+	464	A+
603358	A	3194	FT	1547	A+	47		67		272	A+	450	A+
603359	D	3188	FT	1552	A+	48		53		221	A-	456	A+
603360	B	4803	FT	2368	A+	96		93		317	B-	802	A-
603361	C	3188	FT	1552	A-	48		53		221	A-	456	A-
603362	B	3193	FT	1573	A-	39		66		245	A-	464	A+
603363	B	4803	FT	2368	A+	96		93		317	A+	802	A+
603364	A	4803	FT	2368	A-	96		93		317	A-	802	A-
603365	B	3194	FT	1547	A+	47		67		272	A+	450	A+
603366	D	4803	FT	2368	A+	96		93		317	A+	802	A-
603367	B	3194	FT	1547	A-	47		67		272	A-	450	A-
603368	B	3188	FT	1552	A+	48		53		221	A+	456	A+
603369	D	4803	FT	2368	A+	96		93		317	A-	802	A-
603370	D	4803	FT	2368	A+	96		93		317	B+	802	A+
603371	C	4803	FT	2368	A-	96		93		317	A-	802	A-
603372	B	4803	FT	2368	A-	96		93		317	B+	802	A+
603373	C	4803	FT	2368	A-	96		93		317	A-	802	A+
603374	B	3188	FT	1552	A-	48		53		221	A+	456	A+
603375	C	3193	FT	1573	A+	39		66		245	A-	464	A-
603376	D	3194	FT	1547	A+	47		67		272	A-	450	A-
603377	B	3188	FT	1552	A-	48		53		221	A-	456	A-
603378	C	3188	FT	1552	A-	48		53		221	A+	456	A-
603379	A	3193	FT	1573	A-	39		66		245	A-	464	A-
603380	D	3194	FT	1547	A+	47		67		272	A-	450	A-
603381	C	3188	FT	1552	A+	48		53		221	A+	456	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
603382	D	3193	FT	1573	A+	39		66		245	A-	464	A-
603383	B	3194	FT	1547	A+	47		67		272	A-	450	A+
603384	C	3188	FT	1552	A+	48		53		221	A+	456	A+
603385	C	3193	FT	1573	A+	39		66		245	B+	464	A+
603709	C	3188	FT	1552	A-	48		53		221	A+	456	A-
603711	A	3193	FT	1573	A-	39		66		245	A-	464	A+
603712	D	4803	FT	2368	A-	96		93		317	B-	802	A+
603713	D	3194	FT	1547	A-	47		67		272	A-	450	A-
603714	C	3193	FT	1573	A+	39		66		245	A+	464	A-
603715	B	3194	FT	1547	A-	47		67		272	A-	450	A-
603716	A	3188	FT	1552	A+	48		53		221	A-	456	A+
603717	C	3193	FT	1573	A+	39		66		245	B+	464	A-
603718	A	3194	FT	1547	A+	47		67		272	A+	450	A-
603719	B	4803	FT	2368	A+	96		93		317	A+	802	A+
603720	A	4803	FT	2368	A+	96		93		317	A-	802	A-
603721	D	3188	FT	1552	A-	48		53		221	A+	456	A-
603722	C	3193	FT	1573	A+	39		66		245	A+	464	A+

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GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
598848	D	3136	FT	1546	A-	53		75		185		429	A-
598849	B	3171	FT	1520	A-	47		54		182		449	A-
599913	A	4879	FT	2366	A+	96		82		321	B-	861	B-
599914	C	3170	FT	1581	A-	47		70		209	B+	439	A+
599917	D	3171	FT	1520	A+	47		54		182		449	A+
599921	A	4879	FT	2366	A-	96		82		321	A-	861	B-
599922	C	3136	FT	1546	A+	53		75		185		429	A+
599923	A	3170	FT	1581	B-	47		70		209	A-	439	A-
599924	C	3171	FT	1520	A-	47		54		182		449	A-
599925	C	3170	FT	1581	A+	47		70		209	A+	439	A+
599926	D	3171	FT	1520	A-	47		54		182		449	A-
599927	C	3136	FT	1546	A+	53		75		185		429	A-
599928	A	3170	FT	1581	A+	47		70		209	A-	439	A-
599929	A	3171	FT	1520	A+	47		54		182		449	A-
599930	B	3136	FT	1546	A-	53		75		185		429	A+
599931	A	3170	FT	1581	A-	47		70		209	A-	439	A+
599932	A	3171	FT	1520	A-	47		54		182		449	A+
599933	C	3136	FT	1546	A-	53		75		185		429	A+
599935	C	3170	FT	1581	A-	47		70		209	A-	439	A-
599936	B	3136	FT	1546	A-	53		75		185		429	A-
599937	B	4879	FT	2366	A-	96		82		321	A-	861	A-
599938	C	4879	FT	2366	A-	96		82		321	B+	861	A+
599939	A	3170	FT	1581	A+	47		70		209	A-	439	A-
599941	A	3171	FT	1520	A-	47		54		182		449	A+
599942	A	3171	FT	1520	B+	47		54		182		449	B-
599943	B	3136	FT	1546	A+	53		75		185		429	A-
599944	C	3170	FT	1581	A+	47		70		209	C-	439	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
599945	A	3170	FT	1581	A-	47		70		209	A-	439	A-
599946	C	3171	FT	1520	A+	47		54		182		449	A-
599947	A	3136	FT	1546	A+	53		75		185		429	A-
599948	C	3136	FT	1546	A+	53		75		185		429	A-
599949	B	3170	FT	1581	A-	47		70		209	A-	439	A+
599950	C	4879	FT	2366	A-	96		82		321	C+	861	A+
599951	D	3136	FT	1546	A+	53		75		185		429	A+
599952	B	3170	FT	1581	A+	47		70		209	A+	439	A-
599953	C	3171	FT	1520	A+	47		54		182		449	A-
599954	B	4879	FT	2366	A+	96		82		321	A+	861	A-
599955	B	4879	FT	2366	A+	96		82		321	A+	861	A+
599956	D	3136	FT	1546	A-	53		75		185		429	A-
599957	D	3170	FT	1581	A+	47		70		209	A-	439	A+
599958	D	4879	FT	2366	A+	96		82		321	A-	861	A-
599959	A	3171	FT	1520	A+	47		54		182		449	A-
599960	A	3136	FT	1546	A+	53		75		185		429	A-
599961	C	3136	FT	1546	A+	53		75		185		429	A+
599962	B	3170	FT	1581	A+	47		70		209	A+	439	A+
599963	D	3171	FT	1520	A+	47		54		182		449	A+
599964	B	3136	FT	1546	A+	53		75		185		429	A-
599965	A	3170	FT	1581	A+	47		70		209	A-	439	A-
599966	D	4879	FT	2366	A+	96		82		321	A+	861	A-
599967	A	3171	FT	1520	A+	47		54		182		449	A+
599968	D	3171	FT	1520	A+	47		54		182		449	A-
599969	C	4879	FT	2366	B-	96		82		321	A-	861	A-
599970	D	3136	FT	1546	A-	53		75		185		429	A-
599971	B	3170	FT	1581	A-	47		70		209	A+	439	A+
599972	C	3136	FT	1546	A+	53		75		185		429	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
599973	C	3170	FT	1581	A+	47		70		209	A+	439	A+
599974	A	3171	FT	1520	A+	47		54		182		449	A-
599975	B	3136	FT	1546	A+	53		75		185		429	A+
599976	A	3136	FT	1546	A-	53		75		185		429	B+
599977	A	4879	FT	2366	A-	96		82		321	C+	861	A+
599978	B	3170	FT	1581	A-	47		70		209	A+	439	A+
599979	B	3171	FT	1520	A-	47		54		182		449	A+
599980	C	3136	FT	1546	A+	53		75		185		429	A-
599981	D	3171	FT	1520	A-	47		54		182		449	A+
599982	C	4879	FT	2366	A-	96		82		321	A-	861	A-
599983	B	3136	FT	1546	B-	53		75		185		429	A-
599984	B	3170	FT	1581	B-	47		70		209	B-	439	A-
599985	B	3136	FT	1546	A+	53		75		185		429	A+
599986	C	3170	FT	1581	A-	47		70		209	A+	439	A-
599988	B	3171	FT	1520	A-	47		54		182		449	A+
599989	C	3136	FT	1546	A-	53		75		185		429	A+
599990	D	3170	FT	1581	A-	47		70		209	A-	439	A-
599991	C	3171	FT	1520	A+	47		54		182		449	A-
599992	C	4879	FT	2366	A+	96		82		321	A+	861	A-
599993	D	4879	FT	2366	B-	96		82		321	A-	861	A-
599994	B	4879	FT	2366	A+	96		82		321	A-	861	A-
599995	C	3170	FT	1581	A+	47		70		209	A-	439	A+
599996	C	3171	FT	1520	A+	47		54		182		449	A+
599997	C	4879	FT	2366	A-	96		82		321	A-	861	A+
599998	D	3171	FT	1520	A+	47		54		182		449	A+
599999	C	3136	FT	1546	A+	53		75		185		429	A-
600000	C	3170	FT	1581	A-	47		70		209	A+	439	A+
600001	B	3171	FT	1520	A-	47		54		182		449	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600002	D	3171	FT	1520	A-	47		54		182		449	A+
600003	C	3136	FT	1546	A-	53		75		185		429	A+
600004	D	4879	FT	2366	A+	96		82		321	B-	861	A+
600005	A	3170	FT	1581	A+	47		70		209	B-	439	A+
600006	D	3136	FT	1546	A+	53		75		185		429	A+
600007	D	3170	FT	1581	A+	47		70		209	A+	439	A+
600008	A	3171	FT	1520	A+	47		54		182		449	A+
600009	D	4879	FT	2366	A-	96		82		321	B+	861	A+
600010	B	3136	FT	1546	A-	53		75		185		429	A-
600011	D	4879	FT	2366	A-	96		82		321	A-	861	A+
600012	D	3170	FT	1581	A+	47		70		209	A-	439	A-
600013	C	3171	FT	1520	A+	47		54		182		449	A+
600014	B	3136	FT	1546	A-	53		75		185		429	A+
600015	B	4879	FT	2366	A+	96		82		321	A-	861	A+
600016	C	4879	FT	2366	A+	96		82		321	A+	861	A+
600017	B	3170	FT	1581	A+	47		70		209	A+	439	A+
600019	A	3171	FT	1520	A-	47		54		182		449	A-
600020	B	3136	FT	1546	A-	53		75		185		429	A+
600021	A	3136	FT	1546	A+	53		75		185		429	A-
600022	B	4879	FT	2366	A+	96		82		321	A+	861	A+
600023	C	3170	FT	1581	A+	47		70		209	A+	439	A+
600024	C	4879	FT	2366	A+	96		82		321	A+	861	A+
600025	D	3171	FT	1520	A-	47		54		182		449	A+
600026	A	3136	FT	1546	A+	53		75		185		429	A+
600027	A	3171	FT	1520	A+	47		54		182		449	A-
600028	B	3136	FT	1546	A+	53		75		185		429	A-
600029	A	3170	FT	1581	A+	47		70		209	A-	439	A-
600030	C	3171	FT	1520	A-	47		54		182		449	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600031	A	3136	FT	1546	A+	53		75		185		429	A-
600032	A	4879	FT	2366	A+	96		82		321	A-	861	A+
600033	A	3170	FT	1581	A+	47		70		209	A-	439	A-
600034	C	3170	FT	1581	A+	47		70		209	B-	439	B-
600035	C	3171	FT	1520	A+	47		54		182		449	A-
600036	D	4879	FT	2366	A+	96		82		321	A-	861	A+
600037	B	3136	FT	1546	A+	53		75		185		429	A+
600038	A	3170	FT	1581	B+	47		70		209	A+	439	A+
600039	A	4879	FT	2366	A-	96		82		321	A+	861	A-
600040	A	3171	FT	1520	A-	47		54		182		449	A+
600041	C	4879	FT	2366	A-	96		82		321	A-	861	A-
600042	B	3136	FT	1546	A-	53		75		185		429	A+
600043	B	3170	FT	1581	A+	47		70		209	A-	439	A-
600044	A	4879	FT	2366	A+	96		82		321	A+	861	A+
600045	D	3171	FT	1520	A+	47		54		182		449	A-
600046	A	3136	FT	1546	A-	53		75		185		429	A-
600047	B	3136	FT	1546	A+	53		75		185		429	A+
600048	A	3170	FT	1581	A+	47		70		209	A+	439	A-
600049	A	3171	FT	1520	A-	47		54		182		449	A+
600050	D	3136	FT	1546	A-	53		75		185		429	A-
600051	A	4879	FT	2366	A+	96		82		321	A+	861	A-
600052	A	3171	FT	1520	A+	47		54		182		449	A+
600053	A	4879	FT	2366	A-	96		82		321	A-	861	A+
600054	C	3136	FT	1546	A-	53		75		185		429	A+
600055	C	4879	FT	2366	A-	96		82		321	A-	861	A-
600056	C	3170	FT	1581	A+	47		70		209	A-	439	A-
600057	C	4879	FT	2366	A+	96		82		321	A+	861	A-
600058	B	3171	FT	1520	A+	47		54		182		449	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600059	A	3171	FT	1520	A-	47		54		182		449	A+
600060	C	4879	FT	2366	A+	96		82		321	A+	861	A+
600061	A	3171	FT	1520	A-	47		54		182		449	A-
600062	B	3136	FT	1546	A-	53		75		185		429	A+
600063	B	3170	FT	1581	A+	47		70		209	B-	439	A-
600064	D	4879	FT	2366	A-	96		82		321	A-	861	A-
600065	B	3136	FT	1546	A+	53		75		185		429	A+
600066	B	4879	FT	2366	A+	96		82		321	A-	861	A+
600067	D	4879	FT	2366	A+	96		82		321	B+	861	A+
600068	A	3170	FT	1581	A-	47		70		209	A+	439	A+
600069	B	3171	FT	1520	A-	47		54		182		449	A+
600070	C	3136	FT	1546	A-	53		75		185		429	A-
600071	B	3170	FT	1581	A-	47		70		209	B-	439	A-
600072	D	3171	FT	1520	A-	47		54		182		449	A-
600073	B	3136	FT	1546	B-	53		75		185		429	A-
600074	A	4879	FT	2366	A-	96		82		321	A+	861	A+
600075	B	3170	FT	1581	A-	47		70		209	A+	439	A-
600076	B	3171	FT	1520	A+	47		54		182		449	A-
600077	D	3136	FT	1546	A+	53		75		185		429	A-
600078	B	3136	FT	1546	A-	53		75		185		429	A-
600079	D	3170	FT	1581	A+	47		70		209	A+	439	A+
600080	A	4879	FT	2366	A-	96		82		321	A+	861	A-
600081	A	4879	FT	2366	A+	96		82		321	A-	861	A+
600082	B	3171	FT	1520	A-	47		54		182		449	A-
600083	C	4879	FT	2366	A-	96		82		321	A+	861	A-
600084	B	3136	FT	1546	A+	53		75		185		429	A-
600085	B	3170	FT	1581	A+	47		70		209	A+	439	A-
600086	B	3171	FT	1520	A-	47		54		182		449	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600087	A	3136	FT	1546	A+	53		75		185		429	A-
600088	C	3170	FT	1581	A+	47		70		209	B+	439	A+
600089	A	4879	FT	2366	A+	96		82		321	A-	861	A-
600090	A	4879	FT	2366	A+	96		82		321	A-	861	A+
600091	C	3171	FT	1520	A-	47		54		182		449	A+
600092	C	3171	FT	1520	A-	47		54		182		449	A-
600093	A	3136	FT	1546	A+	53		75		185		429	A+
600094	B	3170	FT	1581	A-	47		70		209	A+	439	A+
600095	B	3171	FT	1520	A-	47		54		182		449	B-
600096	B	4879	FT	2366	A+	96		82		321	A+	861	A+
600097	B	3170	FT	1581	A+	47		70		209	A+	439	A+
600098	B	3171	FT	1520	A+	47		54		182		449	A-
600099	C	3136	FT	1546	A+	53		75		185		429	A-
600100	B	3170	FT	1581	A+	47		70		209	A+	439	A+
600101	D	3171	FT	1520	A+	47		54		182		449	A-
600102	A	3171	FT	1520	B+	47		54		182		449	A+
600103	B	3136	FT	1546	A+	53		75		185		429	A+
600104	C	4879	FT	2366	A+	96		82		321	A+	861	A+
600105	D	3170	FT	1581	A+	47		70		209	A+	439	A-
600106	A	4879	FT	2366	A+	96		82		321	A-	861	A-
600107	B	3170	FT	1581	A-	47		70		209	A+	439	A-
600108	C	3171	FT	1520	A-	47		54		182		449	A-
600109	D	4879	FT	2366	A+	96		82		321	A+	861	A+
600110	A	3171	FT	1520	A+	47		54		182		449	A-
600111	C	3136	FT	1546	A-	53		75		185		429	A+
600112	A	3171	FT	1520	A+	47		54		182		449	A-
600113	B	3170	FT	1581	A-	47		70		209	B+	439	A+
600114	C	3136	FT	1546	A+	53		75		185		429	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600115	A	3170	FT	1581	A+	47		70		209	A-	439	A-
600116	B	4879	FT	2366	A+	96		82		321	A-	861	A+
600117	C	4879	FT	2366	A+	96		82		321	A+	861	A-
600118	B	4879	FT	2366	A+	96		82		321	A+	861	A+
600119	D	3170	FT	1581	A+	47		70		209	A-	439	A-
600120	A	3170	FT	1581	A+	47		70		209	A+	439	A-
600121	B	3171	FT	1520	A-	47		54		182		449	A+
600122	C	3136	FT	1546	A-	53		75		185		429	A-
600123	C	3170	FT	1581	A+	47		70		209	A+	439	A+
600125	C	3136	FT	1546	A+	53		75		185		429	A+
600126	B	3170	FT	1581	A-	47		70		209	A+	439	A+
600128	A	3171	FT	1520	A+	47		54		182		449	A+
600129	C	4879	FT	2366	A+	96		82		321	A+	861	A+
600130	C	4879	FT	2366	A-	96		82		321	A-	861	B-
600131	A	3171	FT	1520	A-	47		54		182		449	A-
600132	A	3136	FT	1546	A-	53		75		185		429	A+
600479	D	3136	FT	1546	A-	53		75		185		429	A-
600480	B	3170	FT	1581	A-	47		70		209	B-	439	A-
600481	C	3171	FT	1520	A-	47		54		182		449	A+
600482	C	3136	FT	1546	A-	53		75		185		429	A-
600483	D	4879	FT	2366	A-	96		82		321	A+	861	A-
600484	A	3170	FT	1581	A-	47		70		209	A-	439	A-
600485	C	4879	FT	2366	A-	96		82		321	A-	861	A-
600487	C	3170	FT	1581	A-	47		70		209	A+	439	A-
600489	A	3171	FT	1520	A+	47		54		182		449	A-
600490	C	3136	FT	1546	A-	53		75		185		429	A-
600491	C	3170	FT	1581	A-	47		70		209	A+	439	A-
600492	B	4879	FT	2366	A-	96		82		321	B-	861	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600493	C	3171	FT	1520	A-	47		54		182		449	A-
600494	B	3136	FT	1546	A-	53		75		185		429	A+
600495	A	3170	FT	1581	A+	47		70		209	A-	439	A+
600496	A	4879	FT	2366	A-	96		82		321	A-	861	A-
600497	D	4879	FT	2366	B-	96		82		321	A-	861	A-
600498	C	4879	FT	2366	A+	96		82		321	A+	861	A+
600499	A	3171	FT	1520	A-	47		54		182		449	A+
600500	B	4879	FT	2366	B-	96		82		321	B+	861	A+
600501	C	3136	FT	1546	A-	53		75		185		429	A-
600502	A	3171	FT	1520	A-	47		54		182		449	A-
600504	C	3136	FT	1546	A-	53		75		185		429	A-
600505	C	4879	FT	2366	A+	96		82		321	A-	861	A-
600879	D	3170	FT	1581	A+	47		70		209	A-	439	A-
600880	A	3170	FT	1581	A-	47		70		209	A-	439	A+
600881	B	4879	FT	2366	A-	96		82		321	A+	861	A+
600882	B	3170	FT	1581	A+	47		70		209	B+	439	A+
600883	A	3171	FT	1520	A+	47		54		182		449	A-

Grade 8

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
598850	D	4801	FT	2375	A+	86		83		301	A+	801	A+
598851	A	4801	FT	2375	A-	86		83		301	A+	801	A+
600134	C	3191	FT	1600	A+	42		66		204	A-	446	A-
600135	A	3179	FT	1555	A+	41		67		207	C-	404	B-
600136	C	4801	FT	2375	B-	86		83		301	A+	801	A+
600139	A	3184	FT	1551	A-	41		67		196		436	A-
600140	B	4801	FT	2375	A-	86		83		301	A+	801	A+
600141	D	3184	FT	1551	A+	41		67		196		436	A+
600143	C	3191	FT	1600	A+	42		66		204	B+	446	A+
600144	C	3179	FT	1555	A+	41		67		207	A-	404	A-
600148	C	4801	FT	2375	A+	86		83		301	A-	801	A+
600149	A	4801	FT	2375	A+	86		83		301	A-	801	A+
600151	C	3184	FT	1551	A-	41		67		196		436	A-
600152	D	4801	FT	2375	A-	86		83		301	A-	801	A+
600153	A	3191	FT	1600	A+	42		66		204	A+	446	A+
600154	D	3179	FT	1555	A+	41		67		207	B+	404	A+
600155	D	3184	FT	1551	A-	41		67		196		436	A-
600156	C	3191	FT	1600	A-	42		66		204	A+	446	A+
600157	B	3179	FT	1555	A-	41		67		207	A+	404	A+
600158	C	4801	FT	2375	A+	86		83		301	A-	801	A-
600161	A	3184	FT	1551	A+	41		67		196		436	A+
600162	B	3191	FT	1600	A-	42		66		204	A+	446	A+
600163	B	3179	FT	1555	A-	41		67		207	A+	404	A+
600164	C	3184	FT	1551	A-	41		67		196		436	A-
600165	C	4801	FT	2375	A+	86		83		301	A-	801	A-
600166	C	4801	FT	2375	A+	86		83		301	A-	801	A+
600167	A	3191	FT	1600	A+	42		66		204	A-	446	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600168	D	3179	FT	1555	A-	41		67		207	C-	404	B-
600169	A	3184	FT	1551	A+	41		67		196		436	A-
600170	B	3191	FT	1600	A-	42		66		204	A-	446	A+
600171	C	3179	FT	1555	A-	41		67		207	A+	404	A+
600172	B	3184	FT	1551	A+	41		67		196		436	A-
600173	A	3184	FT	1551	A-	41		67		196		436	A-
600177	B	3191	FT	1600	A-	42		66		204	A-	446	A-
600178	A	3179	FT	1555	A-	41		67		207	A-	404	A-
600179	B	3184	FT	1551	A-	41		67		196		436	A+
600180	A	3191	FT	1600	C-	42		66		204	C-	446	A-
600181	C	3179	FT	1555	A-	41		67		207	B-	404	A-
600183	B	4801	FT	2375	A+	86		83		301	A+	801	A-
600185	C	3184	FT	1551	A-	41		67		196		436	A-
600187	A	3191	FT	1600	A-	42		66		204	B-	446	A-
600189	D	4801	FT	2375	B-	86		83		301	A+	801	A-
600191	B	4801	FT	2375	A-	86		83		301	A+	801	A+
600192	C	3184	FT	1551	A-	41		67		196		436	A-
600194	D	3179	FT	1555	A+	41		67		207	A-	404	A-
600198	C	3191	FT	1600	A+	42		66		204	B-	446	B-
600202	C	3179	FT	1555	A-	41		67		207	A-	404	A-
600203	A	3184	FT	1551	A-	41		67		196		436	A+
600204	C	4801	FT	2375	A-	86		83		301	B-	801	B-
600205	B	3191	FT	1600	A-	42		66		204	A-	446	A+
600206	C	3179	FT	1555	A+	41		67		207	A+	404	A-
600207	D	3184	FT	1551	A+	41		67		196		436	A-
600208	B	3191	FT	1600	A+	42		66		204	A-	446	A-
600209	A	3179	FT	1555	A+	41		67		207	A+	404	A+
600210	D	4801	FT	2375	A-	86		83		301	A+	801	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600211	C	3191	FT	1600	A+	42		66		204	B+	446	A+
600212	A	3179	FT	1555	A+	41		67		207	B+	404	A+
600215	D	4801	FT	2375	A+	86		83		301	A+	801	A+
600216	B	3179	FT	1555	A-	41		67		207	A+	404	A-
600217	C	3184	FT	1551	A-	41		67		196		436	A+
600218	D	3191	FT	1600	A-	42		66		204	B-	446	A-
600219	B	4801	FT	2375	A-	86		83		301	A+	801	A+
600221	A	3179	FT	1555	A-	41		67		207	A-	404	A+
600222	D	3179	FT	1555	A+	41		67		207	A+	404	A+
600223	A	3184	FT	1551	A+	41		67		196		436	A-
600224	C	4801	FT	2375	A+	86		83		301	A-	801	A+
600225	A	3184	FT	1551	A-	41		67		196		436	A-
600226	B	3191	FT	1600	A+	42		66		204	A-	446	A+
600227	C	3179	FT	1555	B+	41		67		207	A+	404	A+
600228	A	3184	FT	1551	A+	41		67		196		436	A-
600229	D	3191	FT	1600	A+	42		66		204	A-	446	A-
600230	C	3184	FT	1551	A-	41		67		196		436	A-
600231	D	4801	FT	2375	A-	86		83		301	A-	801	A-
600232	A	4801	FT	2375	A-	86		83		301	A+	801	A+
600233	A	3191	FT	1600	A+	42		66		204	A-	446	B-
600234	B	3179	FT	1555	A-	41		67		207	B+	404	A+
600235	B	3184	FT	1551	A+	41		67		196		436	A+
600236	B	3191	FT	1600	A+	42		66		204	A+	446	B+
600237	A	3179	FT	1555	A+	41		67		207	A+	404	A+
600238	A	3184	FT	1551	A+	41		67		196		436	A+
600239	A	4801	FT	2375	A+	86		83		301	B+	801	A+
600240	D	3191	FT	1600	A-	42		66		204	A-	446	A-
600241	B	3179	FT	1555	A+	41		67		207	A+	404	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600242	B	3184	FT	1551	A+	41		67		196		436	A-
600243	A	3191	FT	1600	A+	42		66		204	A+	446	A-
600244	D	4801	FT	2375	A+	86		83		301	B+	801	A+
600245	B	3179	FT	1555	A+	41		67		207	A+	404	A+
600246	B	3179	FT	1555	A-	41		67		207	A-	404	A-
600247	B	3184	FT	1551	A-	41		67		196		436	A-
600248	A	4801	FT	2375	A+	86		83		301	A+	801	A+
600249	C	3191	FT	1600	A-	42		66		204	A+	446	A+
600250	C	3179	FT	1555	A+	41		67		207	A+	404	A+
600252	A	3191	FT	1600	A+	42		66		204	A+	446	A+
600253	B	3179	FT	1555	A+	41		67		207	A+	404	A+
600254	B	3184	FT	1551	A+	41		67		196		436	A+
600255	C	3191	FT	1600	A-	42		66		204	A+	446	A+
600256	C	3179	FT	1555	A-	41		67		207	B+	404	A+
600257	A	3184	FT	1551	A+	41		67		196		436	A-
600258	C	4801	FT	2375	A+	86		83		301	A-	801	A+
600259	B	3191	FT	1600	A-	42		66		204	A+	446	A-
600260	D	3184	FT	1551	A-	41		67		196		436	A-
600261	D	4801	FT	2375	A+	86		83		301	A-	801	A+
600262	C	3191	FT	1600	A-	42		66		204	A+	446	A-
600263	D	3184	FT	1551	B-	41		67		196		436	C+
600264	A	4801	FT	2375	A-	86		83		301	A+	801	A-
600265	B	4801	FT	2375	A-	86		83		301	A+	801	A-
600266	B	3184	FT	1551	A+	41		67		196		436	A-
600267	B	3191	FT	1600	A-	42		66		204	A+	446	A-
600268	C	3179	FT	1555	A-	41		67		207	A-	404	A-
600270	D	4801	FT	2375	A-	86		83		301	A-	801	A-
600272	B	3191	FT	1600	A-	42		66		204	A+	446	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600274	A	3179	FT	1555	A-	41		67		207	A-	404	A-
600275	A	3184	FT	1551	A-	41		67		196		436	A+
600279	B	3191	FT	1600	A-	42		66		204	A+	446	A+
600280	D	3179	FT	1555	A-	41		67		207	B+	404	A+
600281	A	4801	FT	2375	A+	86		83		301	A-	801	A+
600282	C	4801	FT	2375	A+	86		83		301	A+	801	A-
600287	C	3179	FT	1555	A-	41		67		207	A+	404	A+
600288	B	3184	FT	1551	A+	41		67		196		436	A-
600289	C	3191	FT	1600	A-	42		66		204	A+	446	A-
600292	C	4801	FT	2375	A-	86		83		301	A-	801	A-
600297	D	3179	FT	1555	A-	41		67		207	A+	404	A+
600298	C	4801	FT	2375	A+	86		83		301	A-	801	A-
600299	B	3184	FT	1551	A+	41		67		196		436	A-
600300	A	3191	FT	1600	A-	42		66		204	A+	446	A+
600301	D	3191	FT	1600	A-	42		66		204	A-	446	A-
600302	D	3179	FT	1555	A+	41		67		207	A+	404	A+
600303	C	3184	FT	1551	A+	41		67		196		436	A-
600304	D	3191	FT	1600	A+	42		66		204	B+	446	B+
600305	B	3179	FT	1555	A-	41		67		207	A+	404	A-
600306	C	4801	FT	2375	A-	86		83		301	A-	801	A-
600307	D	3184	FT	1551	A+	41		67		196		436	A+
600309	A	4801	FT	2375	A+	86		83		301	A-	801	A-
600310	B	3191	FT	1600	A+	42		66		204	B+	446	A+
600311	D	3179	FT	1555	A+	41		67		207	A+	404	A-
600312	A	3184	FT	1551	A+	41		67		196		436	A-
600313	C	4801	FT	2375	A+	86		83		301	A+	801	A-
600314	D	3191	FT	1600	A+	42		66		204	A+	446	A-
600315	A	3179	FT	1555	A+	41		67		207	A+	404	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600316	A	3184	FT	1551	A+	41		67		196		436	A-
600317	D	4801	FT	2375	A+	86		83		301	A-	801	A-
600318	B	3179	FT	1555	A-	41		67		207	A-	404	A+
600319	A	4801	FT	2375	A+	86		83		301	A-	801	A-
600320	C	3184	FT	1551	A-	41		67		196		436	A+
600321	C	3191	FT	1600	A-	42		66		204	A+	446	A+
600322	B	4801	FT	2375	A+	86		83		301	A+	801	A-
600323	C	3179	FT	1555	A+	41		67		207	A-	404	A+
600324	C	3184	FT	1551	A+	41		67		196		436	A+
600325	B	3191	FT	1600	A+	42		66		204	A+	446	A-
600326	C	3179	FT	1555	A+	41		67		207	A+	404	A+
600328	C	3184	FT	1551	A-	41		67		196		436	A+
600329	B	3191	FT	1600	A+	42		66		204	A+	446	A+
600330	A	3179	FT	1555	A-	41		67		207	A+	404	A+
600332	B	4801	FT	2375	A-	86		83		301	A-	801	A-
600333	B	3184	FT	1551	A-	41		67		196		436	A+
600334	B	3191	FT	1600	A+	42		66		204	A+	446	A-
600335	A	4801	FT	2375	A+	86		83		301	A+	801	A+
600337	D	3184	FT	1551	A-	41		67		196		436	A+
600338	A	3191	FT	1600	A-	42		66		204	B-	446	A+
600340	C	4801	FT	2375	A-	86		83		301	C+	801	A+
600341	D	3179	FT	1555	A-	41		67		207	B+	404	A+
600342	D	3179	FT	1555	A+	41		67		207	A+	404	A-
600343	C	3184	FT	1551	A+	41		67		196		436	A-
600344	A	3191	FT	1600	A+	42		66		204	A-	446	A+
600345	D	3179	FT	1555	A+	41		67		207	C+	404	A-
600346	C	3184	FT	1551	A+	41		67		196		436	A+
600347	D	4801	FT	2375	A-	86		83		301	A+	801	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600348	A	4801	FT	2375	C+	86		83		301	B-	801	A-
600349	D	3191	FT	1600	A+	42		66		204	A+	446	A-
600350	D	3179	FT	1555	A+	41		67		207	A-	404	A-
600351	B	4801	FT	2375	A+	86		83		301	B+	801	A+
600352	B	3184	FT	1551	A+	41		67		196		436	A+
600353	C	3191	FT	1600	A+	42		66		204	A+	446	A+
600354	A	3179	FT	1555	A+	41		67		207	A-	404	A+
600355	A	3184	FT	1551	A+	41		67		196		436	A+
600356	C	3191	FT	1600	A-	42		66		204	A-	446	A-
600357	C	3179	FT	1555	A+	41		67		207	A+	404	A-
600358	A	4801	FT	2375	A+	86		83		301	A+	801	A+
600359	C	3179	FT	1555	A+	41		67		207	A+	404	A+
600360	B	4801	FT	2375	A+	86		83		301	A+	801	A-
600361	D	3184	FT	1551	A+	41		67		196		436	A+
600362	D	3191	FT	1600	A+	42		66		204	B+	446	A-
600363	D	4801	FT	2375	A+	86		83		301	A+	801	A-
600364	D	4801	FT	2375	A+	86		83		301	A-	801	A-
600365	B	3179	FT	1555	A+	41		67		207	A-	404	A+
600366	D	3184	FT	1551	A+	41		67		196		436	A-
600367	D	3191	FT	1600	A+	42		66		204	B+	446	A+
600368	B	4801	FT	2375	A+	86		83		301	A+	801	A+
600369	D	4801	FT	2375	A+	86		83		301	B+	801	A+
600370	A	4801	FT	2375	A+	86		83		301	B+	801	A+
600371	D	3184	FT	1551	A+	41		67		196		436	A+
600372	A	3191	FT	1600	A+	42		66		204	A+	446	A-
600373	B	3179	FT	1555	A+	41		67		207	A+	404	A-
600374	C	3184	FT	1551	A-	41		67		196		436	A+
600375	D	3191	FT	1600	A+	42		66		204	A+	446	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600376	A	3179	FT	1555	A-	41		67		207	B+	404	A+
600377	B	3184	FT	1551	A+	41		67		196		436	A+
600378	D	3191	FT	1600	A+	42		66		204	A+	446	A+
600379	B	3184	FT	1551	A-	41		67		196		436	A-
600380	D	3191	FT	1600	A+	42		66		204	B+	446	A+
600381	A	3179	FT	1555	A-	41		67		207	C-	404	C-
600382	B	4801	FT	2375	A+	86		83		301	B-	801	A-
600383	B	3184	FT	1551	B-	41		67		196		436	A-
600384	B	4801	FT	2375	A-	86		83		301	A-	801	A-
600385	A	4801	FT	2375	A+	86		83		301	B-	801	A-
600386	C	3179	FT	1555	A-	41		67		207	B-	404	A-
600387	D	3184	FT	1551	B-	41		67		196		436	A-
600388	C	4801	FT	2375	A-	86		83		301	A-	801	A-
600389	C	3191	FT	1600	A+	42		66		204	A-	446	A-
600390	D	3179	FT	1555	A-	41		67		207	A+	404	A+
600391	B	3191	FT	1600	A-	42		66		204	B+	446	A+
600392	C	3179	FT	1555	A-	41		67		207	B+	404	A+
600393	A	3184	FT	1551	A-	41		67		196		436	A-
600394	A	3191	FT	1600	B-	42		66		204	A+	446	A-
600395	A	3179	FT	1555	B-	41		67		207	B+	404	A+
600396	A	3184	FT	1551	A-	41		67		196		436	A+
600506	A	3184	FT	1551	A+	41		67		196		436	A+
600507	A	3179	FT	1555	A+	41		67		207	A-	404	A-
600509	D	3184	FT	1551	A+	41		67		196		436	A-
600510	D	4801	FT	2375	A+	86		83		301	A-	801	A-
600511	B	3191	FT	1600	B-	42		66		204	A+	446	A+
600512	B	3179	FT	1555	A-	41		67		207	B+	404	A+
600513	C	3184	FT	1551	A+	41		67		196		436	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600514	C	4801	FT	2375	A+	86		83		301	A-	801	A+
600515	C	3191	FT	1600	A-	42		66		204	A+	446	A-
600517	C	3179	FT	1555	A+	41		67		207	B-	404	A-
600518	D	3184	FT	1551	A-	41		67		196		436	A+
600519	A	4801	FT	2375	A+	86		83		301	A+	801	A+
600520	D	3191	FT	1600	A+	42		66		204	B+	446	A+
600522	B	3191	FT	1600	A-	42		66		204	B-	446	B-
600523	C	3179	FT	1555	A+	41		67		207	C-	404	B-
600524	B	3184	FT	1551	A+	41		67		196		436	A+
600525	B	3191	FT	1600	A+	42		66		204	A+	446	A+
600526	C	4801	FT	2375	A+	86		83		301	A+	801	A-
600528	B	3179	FT	1555	A+	41		67		207	A+	404	A+
603724	A	3191	FT	1600	A-	42		66		204	A-	446	A-
603725	B	3179	FT	1555	A-	41		67		207	A+	404	A-
603726	B	3184	FT	1551	A+	41		67		196		436	A-
603727	C	3191	FT	1600	A-	42		66		204	A+	446	A+
603728	B	4801	FT	2375	B-	86		83		301	A+	801	A+

Grade 11

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
598853	C	4163	FT	2033	A-	62		85		146		532	A-
600397	A	2780	FT	1414	B+	30		56		141		254	A-
600399	B	2806	FT	1377	A-	41		64		148		255	A-
600402	C	4163	FT	2033	A-	62		85		146		532	A+
600403	D	2761	FT	1382	A+	39		59		137		229	B+
600404	D	2780	FT	1414	A+	30		56		141		254	C+
600405	C	2780	FT	1414	A+	30		56		141		254	A+
600406	B	2806	FT	1377	A-	41		64		148		255	A-
600410	B	2806	FT	1377	A+	41		64		148		255	A-
600411	B	2761	FT	1382	A-	39		59		137		229	A+
600412	A	2780	FT	1414	A-	30		56		141		254	A+
600415	C	2761	FT	1382	A-	39		59		137		229	A+
600417	B	2806	FT	1377	A+	41		64		148		255	A+
600418	C	2761	FT	1382	A+	39		59		137		229	A-
600419	C	2780	FT	1414	A+	30		56		141		254	A+
600420	D	2806	FT	1377	A+	41		64		148		255	A+
600421	D	4163	FT	2033	A-	62		85		146		532	A+
600422	C	2761	FT	1382	A+	39		59		137		229	A+
600530	D	2806	FT	1377	A+	41		64		148		255	A-
600531	D	2761	FT	1382	A-	39		59		137		229	A-
600532	A	2780	FT	1414	A+	30		56		141		254	A-
600533	A	2806	FT	1377	A-	41		64		148		255	B+
600535	A	2806	FT	1377	A+	41		64		148		255	A+
600536	C	2761	FT	1382	A+	39		59		137		229	A+
600537	B	2780	FT	1414	A-	30		56		141		254	A-
600539	A	2780	FT	1414	A-	30		56		141		254	A+
600540	C	4163	FT	2033	A-	62		85		146		532	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600541	A	2806	FT	1377	A-	41		64		148		255	A+
600542	D	2780	FT	1414	A+	30		56		141		254	A+
600543	B	2806	FT	1377	A+	41		64		148		255	A-
600544	C	2761	FT	1382	A-	39		59		137		229	A+
600545	D	4163	FT	2033	A+	62		85		146		532	A+
600549	D	4163	FT	2033	A-	62		85		146		532	A-
600550	C	2780	FT	1414	A-	30		56		141		254	A+
600551	C	2806	FT	1377	A-	41		64		148		255	A-
600552	C	4163	FT	2033	A-	62		85		146		532	A-
600553	D	2761	FT	1382	A-	39		59		137		229	A+
600554	C	2780	FT	1414	A-	30		56		141		254	B+
600555	C	2806	FT	1377	A+	41		64		148		255	A+
600556	B	4163	FT	2033	A+	62		85		146		532	B+
600557	A	4163	FT	2033	B-	62		85		146		532	A-
600558	C	2780	FT	1414	A-	30		56		141		254	A+
600559	B	2806	FT	1377	A-	41		64		148		255	A-
600561	B	2761	FT	1382	A-	39		59		137		229	A-
600562	C	2780	FT	1414	A+	30		56		141		254	A-
600563	C	4163	FT	2033	A-	62		85		146		532	A+
600565	A	2780	FT	1414	A+	30		56		141		254	A+
600568	C	4163	FT	2033	A+	62		85		146		532	A-
600569	C	2806	FT	1377	A-	41		64		148		255	A+
600571	B	2806	FT	1377	A-	41		64		148		255	A+
600572	A	4163	FT	2033	A-	62		85		146		532	A-
600573	C	2761	FT	1382	A+	39		59		137		229	A-
600574	C	2780	FT	1414	A-	30		56		141		254	A+
600575	A	2761	FT	1382	A-	39		59		137		229	B-
600576	A	2780	FT	1414	A-	30		56		141		254	A-

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600577	A	4163	FT	2033	A+	62		85		146		532	A+
600578	B	2761	FT	1382	A+	39		59		137		229	A+
600579	B	2761	FT	1382	A+	39		59		137		229	A+
600580	B	2780	FT	1414	A+	30		56		141		254	B+
600581	B	4163	FT	2033	A-	62		85		146		532	A+
600582	C	2806	FT	1377	A-	41		64		148		255	A+
600583	C	2761	FT	1382	A-	39		59		137		229	A-
600584	A	4163	FT	2033	A-	62		85		146		532	A-
600587	D	2761	FT	1382	A+	39		59		137		229	A+
600590	B	2761	FT	1382	A+	39		59		137		229	A-
600591	D	2780	FT	1414	A+	30		56		141		254	A+
600592	B	4163	FT	2033	A+	62		85		146		532	A+
600593	A	2806	FT	1377	A+	41		64		148		255	A+
600594	C	4163	FT	2033	A+	62		85		146		532	A-
600595	D	2761	FT	1382	C+	39		59		137		229	A+
600596	B	2780	FT	1414	A+	30		56		141		254	A+
600597	C	4163	FT	2033	A+	62		85		146		532	A+
600598	C	2806	FT	1377	A+	41		64		148		255	A+
600599	B	2761	FT	1382	A+	39		59		137		229	A+
600600	C	4163	FT	2033	A+	62		85		146		532	A-
600601	C	2780	FT	1414	A+	30		56		141		254	A+
600602	D	2761	FT	1382	B+	39		59		137		229	A+
600603	B	2780	FT	1414	A+	30		56		141		254	A+
600604	C	2806	FT	1377	A+	41		64		148		255	A+
600605	B	2761	FT	1382	A-	39		59		137		229	A+
600606	B	2780	FT	1414	A-	30		56		141		254	B+
600607	A	2806	FT	1377	A+	41		64		148		255	A+
600608	D	2761	FT	1382	B+	39		59		137		229	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600610	B	2780	FT	1414	A+	30		56		141		254	A+
600611	A	4163	FT	2033	B-	62		85		146		532	A-
600613	D	2780	FT	1414	A-	30		56		141		254	A-
600614	A	2780	FT	1414	A-	30		56		141		254	B+
600615	D	2806	FT	1377	A+	41		64		148		255	B+
600616	B	2761	FT	1382	A-	39		59		137		229	A-
600617	A	2780	FT	1414	A-	30		56		141		254	A-
600618	C	2806	FT	1377	A-	41		64		148		255	A+
600619	D	4163	FT	2033	A+	62		85		146		532	A-
600623	B	4163	FT	2033	A-	62		85		146		532	A+
600625	C	2780	FT	1414	A+	30		56		141		254	A-
600626	C	2761	FT	1382	A+	39		59		137		229	C-
600627	C	2780	FT	1414	A-	30		56		141		254	A-
600628	D	2806	FT	1377	A-	41		64		148		255	A+
600629	D	2761	FT	1382	A+	39		59		137		229	A+
600630	C	4163	FT	2033	A-	62		85		146		532	A+
600632	D	2780	FT	1414	A-	30		56		141		254	A-
600633	B	2806	FT	1377	A-	41		64		148		255	A-
600634	C	4163	FT	2033	A-	62		85		146		532	A-
600635	C	2761	FT	1382	A-	39		59		137		229	A-
600636	C	2806	FT	1377	A-	41		64		148		255	A-
600637	A	2761	FT	1382	A+	39		59		137		229	A+
600638	D	2780	FT	1414	A+	30		56		141		254	B+
600639	B	4163	FT	2033	A+	62		85		146		532	A+
600641	C	2806	FT	1377	A-	41		64		148		255	A-
600642	B	2761	FT	1382	A+	39		59		137		229	A+
600643	C	2761	FT	1382	A+	39		59		137		229	A+
600645	B	2780	FT	1414	A-	30		56		141		254	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600647	B	2780	FT	1414	A-	30		56		141		254	A-
600648	B	2806	FT	1377	A+	41		64		148		255	A-
600650	A	2780	FT	1414	A+	30		56		141		254	A+
600652	D	2806	FT	1377	A-	41		64		148		255	A+
600653	C	4163	FT	2033	A-	62		85		146		532	A+
600654	C	2761	FT	1382	A-	39		59		137		229	A+
600656	C	4163	FT	2033	A-	62		85		146		532	B-
600658	C	2761	FT	1382	A-	39		59		137		229	B+
600659	C	2780	FT	1414	A-	30		56		141		254	A+
600660	D	2806	FT	1377	A+	41		64		148		255	A-
600663	B	2761	FT	1382	A-	39		59		137		229	A+
600665	A	2806	FT	1377	A-	41		64		148		255	A+
600666	A	2761	FT	1382	B-	39		59		137		229	A-
600667	B	2780	FT	1414	A-	30		56		141		254	A+
600668	A	2806	FT	1377	C-	41		64		148		255	A-
600670	B	2761	FT	1382	B-	39		59		137		229	A+
600672	B	2806	FT	1377	A+	41		64		148		255	A+
600673	C	2761	FT	1382	A-	39		59		137		229	A-
600674	D	4163	FT	2033	A+	62		85		146		532	A-
600675	C	2780	FT	1414	A+	30		56		141		254	A+
600677	A	2806	FT	1377	A-	41		64		148		255	A-
600678	B	4163	FT	2033	A+	62		85		146		532	A+
600679	B	2806	FT	1377	A-	41		64		148		255	A+
600680	C	2761	FT	1382	B-	39		59		137		229	A-
600681	A	4163	FT	2033	B-	62		85		146		532	A-
600682	D	4163	FT	2033	A-	62		85		146		532	A-
600683	D	2780	FT	1414	A-	30		56		141		254	B+
600684	D	2806	FT	1377	A+	41		64		148		255	B+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600685	C	2761	FT	1382	B-	39		59		137		229	A-
600686	D	2780	FT	1414	A+	30		56		141		254	A+
600689	A	4163	FT	2033	B+	62		85		146		532	A+
600690	C	2806	FT	1377	A-	41		64		148		255	A+
600691	D	2761	FT	1382	A-	39		59		137		229	A+
600693	B	2780	FT	1414	A-	30		56		141		254	A-
600694	A	2806	FT	1377	A+	41		64		148		255	A-
600695	C	2780	FT	1414	A+	30		56		141		254	A+
600696	D	4163	FT	2033	A+	62		85		146		532	A+
600697	C	4163	FT	2033	A-	62		85		146		532	A+
600699	B	2761	FT	1382	A+	39		59		137		229	A+
600702	D	2780	FT	1414	A+	30		56		141		254	A-
600703	A	2780	FT	1414	A+	30		56		141		254	A-
600704	B	2806	FT	1377	A+	41		64		148		255	A+
600705	D	2761	FT	1382	A+	39		59		137		229	A-
600706	D	4163	FT	2033	B+	62		85		146		532	A+
600707	C	2806	FT	1377	A-	41		64		148		255	A+
600708	D	2806	FT	1377	C+	41		64		148		255	A-
600709	C	4163	FT	2033	A+	62		85		146		532	A-
600710	C	2806	FT	1377	A-	41		64		148		255	A-
600711	A	4163	FT	2033	A-	62		85		146		532	A+
600714	A	4163	FT	2033	A-	62		85		146		532	A+
600715	C	2806	FT	1377	A-	41		64		148		255	A-
600718	A	2761	FT	1382	A+	39		59		137		229	C-
600719	A	2806	FT	1377	C-	41		64		148		255	C+
600720	B	4163	FT	2033	A-	62		85		146		532	A-
600721	A	2761	FT	1382	A-	39		59		137		229	A+
600722	C	4163	FT	2033	A-	62		85		146		532	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600723	D	2761	FT	1382	A-	39		59		137		229	A+
600724	C	2780	FT	1414	A-	30		56		141		254	A-
600725	B	2780	FT	1414	A+	30		56		141		254	A-
600726	B	2806	FT	1377	A-	41		64		148		255	A-
600727	A	4163	FT	2033	A-	62		85		146		532	A-
600728	A	2761	FT	1382	A+	39		59		137		229	A+
600730	C	2761	FT	1382	A+	39		59		137		229	A-
600731	C	4163	FT	2033	A-	62		85		146		532	A-
600732	B	2780	FT	1414	A-	30		56		141		254	A-
600733	A	4163	FT	2033	A+	62		85		146		532	A-
600735	C	2780	FT	1414	A-	30		56		141		254	A-
600736	C	2806	FT	1377	A+	41		64		148		255	A-
600737	D	2761	FT	1382	A-	39		59		137		229	A+
600739	B	4163	FT	2033	A-	62		85		146		532	A-
600740	B	2806	FT	1377	A+	41		64		148		255	A-
600741	C	4163	FT	2033	A+	62		85		146		532	A+
600743	B	4163	FT	2033	A-	62		85		146		532	A+
600744	B	4163	FT	2033	A+	62		85		146		532	A+
600745	A	4163	FT	2033	A+	62		85		146		532	A+
600746	D	4163	FT	2033	A+	62		85		146		532	A-
600747	D	2761	FT	1382	A+	39		59		137		229	A+
600748	B	4163	FT	2033	A+	62		85		146		532	A-
600751	A	2761	FT	1382	A+	39		59		137		229	A+
600753	D	2780	FT	1414	A+	30		56		141		254	A+
600754	B	2806	FT	1377	A-	41		64		148		255	A-
600755	A	4163	FT	2033	A+	62		85		146		532	A+
600756	D	4163	FT	2033	A+	62		85		146		532	A+
600757	B	2806	FT	1377	A+	41		64		148		255	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600758	C	2761	FT	1382	A-	39		59		137		229	A+
600759	B	2780	FT	1414	A+	30		56		141		254	B+
600760	A	2780	FT	1414	A-	30		56		141		254	A-
600761	D	2806	FT	1377	A-	41		64		148		255	B+
600762	B	2806	FT	1377	A-	41		64		148		255	A+
600765	C	4163	FT	2033	A+	62		85		146		532	A-
600767	B	2761	FT	1382	A+	39		59		137		229	A-
600768	B	2780	FT	1414	A-	30		56		141		254	A-
600769	D	2806	FT	1377	A+	41		64		148		255	A+
600770	B	2780	FT	1414	A-	30		56		141		254	A-
600771	D	2806	FT	1377	A+	41		64		148		255	A-
600772	B	4163	FT	2033	A-	62		85		146		532	A+
600773	A	2761	FT	1382	A-	39		59		137		229	A+
600774	D	2780	FT	1414	B+	30		56		141		254	A-
600775	D	2806	FT	1377	A+	41		64		148		255	A-
600776	C	2761	FT	1382	A+	39		59		137		229	A+
600777	D	2780	FT	1414	A+	30		56		141		254	A-
600779	D	2806	FT	1377	A+	41		64		148		255	A-
600780	B	2761	FT	1382	A+	39		59		137		229	A+
600781	B	4163	FT	2033	A+	62		85		146		532	A-
600782	C	2780	FT	1414	A-	30		56		141		254	A-
600784	C	2780	FT	1414	A+	30		56		141		254	A+
600786	C	2806	FT	1377	A+	41		64		148		255	A-
600787	A	2761	FT	1382	A+	39		59		137		229	A+
600789	B	2806	FT	1377	A-	41		64		148		255	A+
600791	A	2761	FT	1382	A+	39		59		137		229	A+
600792	B	2780	FT	1414	A-	30		56		141		254	A+
600793	B	4163	FT	2033	A+	62		85		146		532	A+

GENERAL		COUNTS	Item	Gender DIF (REF=M,FOC=F)		Ethnicity DIF (REF=WH,FOC=AM]		Ethnicity DIF (REF=WH,FOC=AS]		Ethnicity DIF (REF=WH,FOC=BL]		Ethnicity DIF (REF=WH,FOC=HI]	
ItemID	Key	N.	Type	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code	NFoc	Code
600794	D	4163	FT	2033	A+	62		85		146		532	A+
600795	B	2806	FT	1377	A-	41		64		148		255	B+
600796	A	2761	FT	1382	A-	39		59		137		229	B+
600798	C	2780	FT	1414	A+	30		56		141		254	A-
600799	B	4163	FT	2033	A+	62		85		146		532	A+
600800	D	2806	FT	1377	A-	41		64		148		255	A-
600805	B	2806	FT	1377	A+	41		64		148		255	A-
600806	D	2761	FT	1382	B+	39		59		137		229	A+
600807	D	2780	FT	1414	A+	30		56		141		254	A+
600809	D	2761	FT	1382	A+	39		59		137		229	A-
600810	B	2780	FT	1414	A-	30		56		141		254	A+
600812	D	2806	FT	1377	A+	41		64		148		255	A-
600819	D	2761	FT	1382	A+	39		59		137		229	A-
600821	C	4163	FT	2033	A-	62		85		146		532	A-
600830	C	2780	FT	1414	A-	30		56		141		254	A-
600831	C	2761	FT	1382	A-	39		59		137		229	A+
600832	A	4163	FT	2033	A-	62		85		146		532	A+

Appendix K: Reading Operational Form Calibration Summaries

Winsteps Table 3.1 Interpretation Guide

Tables in this Appendix are taken directly from the Winsteps output file and summarize calibration run of each form for each grade.

Grade 3

Number of students

Number of Items

Items are dichotomous

```
TABLE 3.1 NESA Grade 3 Reading FT 2009    ZOU508WS.TXT Jun 12 10:53 2009
INPUT: 12420 STUDENTS  210 Readings  MEASURED: 2134 STUDENTS  42 Readings  2 CATS
-------------------------------------------------------------------------------

     SUMMARY OF 2130 MEASURED (NON-EXTREME) STUDENTS
-------------------------------------------------------------------------------
|           RAW                            MODEL         INFIT        OUTFIT    |
|          SCORE     COUNT     MEASURE    ERROR      MNSQ   ZSTD   MNSQ   ZSTD |
|-----------------------------------------------------------------------------|
| MEAN      27.6      42.0        .93      .41       .99     .1    .99     .1 |
| S.D.       7.9        .0       1.18      .10       .17     .9    .45    1.1 |
| MAX.      41.0      42.0       4.33     1.04      1.65    4.0   9.13    5.0 |
| MIN.       4.0      42.0      -2.65      .34       .58   -2.6    .10   -1.9 |
|-----------------------------------------------------------------------------|
| REAL RMSE     .43  ADJ.SD    1.09  SEPARATION  2.53  STUDEN RELIABILITY  .86 |
|MODEL RMSE     .42  ADJ.SD    1.10  SEPARATION  2.61  STUDEN RELIABILITY  .87 |
| S.E.  OF STUDENT MEAN = .03                                                 |
```

Student mean logit relative to the form

Fit "Z" should have mean = 0 and SD = 1

Form Reliability

Grade 3

```
TABLE 3.1 NESA Grade 3 Reading 2010 operation S10Rgr3_OUT.txt  Jun 14 11:40 2010
INPUT: 24241 STUDENT  45 Reading  MEASURED: 21563 STUDENT  45 Reading  2 CATS WINSTEPS
3.69.1.14

SUMMARY OF 21212 MEASURED (NON-EXTREME) STUDENT
-------------------------------------------------------------------------------
|          TOTAL                          MODEL         INFIT        OUTFIT    |
|          SCORE     COUNT     MEASURE   ERROR      MNSQ   ZSTD   MNSQ   ZSTD |
|-----------------------------------------------------------------------------|
| MEAN      32.4      45.0         .00     .43      1.00     .1    .97     .1 |
| S.D.       8.5        .0        1.21     .15       .09     .7    .25     .8 |
| MAX.      44.0      45.0        2.73    1.02      1.44    3.7   6.71    3.8 |
| MIN.       1.0      45.0       -5.26     .31       .69   -3.0    .26   -2.8 |
|-----------------------------------------------------------------------------|
| REAL RMSE    .46 TRUE SD    1.12  SEPARATION  2.43  STUDEN RELIABILITY  .86 |
|MODEL RMSE    .45 TRUE SD    1.12  SEPARATION  2.47  STUDEN RELIABILITY  .86 |
| S.E. OF STUDENT MEAN = .01                                                  |
```

Grade 4

```
ABLE 3.1 NESA Grade 4 Reading 2010 operation S10Gr4R_OUT.txt  Jun 14 13:27 2010
INPUT: 23810 STUDENT  45 Reading  MEASURED: 21208 STUDENT  45 Reading  2 CATS WINSTEPS
3.69.1.14
-------------------------------------------------------------------------------

     SUMMARY OF 21085 MEASURED (NON-EXTREME) STUDENT
-------------------------------------------------------------------------------
|          TOTAL                          MODEL         INFIT        OUTFIT    |
|          SCORE     COUNT     MEASURE   ERROR      MNSQ   ZSTD   MNSQ   ZSTD |
|-----------------------------------------------------------------------------|
| MEAN      32.6      45.0         .00     .42      1.00     .1    .95     .0 |
| S.D.       7.9        .0        1.13     .13       .11     .7    .26     .8 |
| MAX.      44.0      45.0        2.80    1.03      1.52    4.5   4.95    4.6 |
| MIN.       1.0      45.0       -5.43     .32       .62   -3.4    .29   -2.8 |
|-----------------------------------------------------------------------------|
| REAL RMSE    .44 TRUE SD    1.04  SEPARATION  2.33  STUDEN RELIABILITY  .84 |
|MODEL RMSE    .44 TRUE SD    1.04  SEPARATION  2.37  STUDEN RELIABILITY  .85 |
| S.E. OF STUDENT MEAN = .01                                                  |
```

Grade 5

```
ABLE 3.1 NESA Grade 5 Reading 2010 operation S10Gr5R_OUT.txt  Jun 14 15:00 2010
INPUT: 23218 STUDENT  48 Reading  MEASURED: 20761 STUDENT  48 Reading  2 CATS WINSTEPS
3.69.1.14
-------------------------------------------------------------------------------

     SUMMARY OF 20703 MEASURED (NON-EXTREME) STUDENT
-------------------------------------------------------------------------------
|          TOTAL                          MODEL         INFIT        OUTFIT    |
|          SCORE     COUNT     MEASURE   ERROR      MNSQ   ZSTD   MNSQ   ZSTD |
|-----------------------------------------------------------------------------|
| MEAN      34.2      48.0         .00     .39      1.00     .1    .98     .0 |
| S.D.       8.0        .0        1.07     .11       .12     .8    .31     .9 |
| MAX.      47.0      48.0        3.01    1.02      1.68    4.4   6.40    4.7 |
| MIN.       1.0      48.0       -5.52     .32       .65   -3.4    .20   -3.0 |
|-----------------------------------------------------------------------------|
| REAL RMSE    .42 TRUE SD     .98  SEPARATION  2.36  STUDEN RELIABILITY  .85 |
|MODEL RMSE    .41 TRUE SD     .99  SEPARATION  2.42  STUDEN RELIABILITY  .85 |
| S.E. OF STUDENT MEAN = .01                                                  |
```

Grade 6

```
TABLE 3.1 NESA Grade 6 Reading 2010 operation S10Gr6R_OUT.txt  Jun 14 14:56 2010
INPUT: 22706 STUDENT  48 Reading  MEASURED: 20504 STUDENT  48 Reading  2 CATS WINSTEPS
3.69.1.14
-------------------------------------------------------------------------------

     SUMMARY OF 20422 MEASURED (NON-EXTREME) STUDENT
-----------------------------------------------------------------------------
|          TOTAL                          MODEL         INFIT        OUTFIT    |
|          SCORE     COUNT     MEASURE   ERROR      MNSQ   ZSTD   MNSQ   ZSTD |
|---------------------------------------------------------------------------|
| MEAN      35.1      48.0         .00     .40      1.00     .1    .95     .0 |
| S.D.       8.3        .0        1.10     .12       .11     .7    .26     .8 |
| MAX.      47.0      48.0        2.81    1.02      1.57    4.4   7.11    5.0 |
| MIN.       1.0      48.0       -5.52     .31       .70   -3.1    .23   -2.6 |
|---------------------------------------------------------------------------|
| REAL RMSE    .43 TRUE SD    1.01  SEPARATION  2.36  STUDEN RELIABILITY  .85 |
|MODEL RMSE    .42 TRUE SD    1.02  SEPARATION  2.41  STUDEN RELIABILITY  .85 |
| S.E. OF STUDENT MEAN = .01                                                 |
```

Grade 7

```
TABLE 3.1 NESA Grade 7 Reading 2010 operation S10Gr7R_OUT.txt  Jun 14 14:17 2010
INPUT: 22631 STUDENT  48 Reading  MEASURED: 20401 STUDENT  48 Reading  2 CATS WINSTEPS
3.69.1.14
-------------------------------------------------------------------------------

     SUMMARY OF 20375 MEASURED (NON-EXTREME) STUDENT
-----------------------------------------------------------------------------
|          TOTAL                          MODEL         INFIT        OUTFIT    |
|          SCORE     COUNT     MEASURE   ERROR      MNSQ   ZSTD   MNSQ   ZSTD |
|---------------------------------------------------------------------------|
| MEAN      33.1      48.0         .00     .38      1.00     .1    .96     .0 |
| S.D.       8.3        .0        1.03     .09       .11     .8    .24     .9 |
| MAX.      47.0      48.0        3.08    1.02      1.61    4.2   5.97    4.5 |
| MIN.       1.0      48.0       -5.29     .31       .69   -3.3    .25   -2.7 |
|---------------------------------------------------------------------------|
| REAL RMSE    .39 TRUE SD     .95  SEPARATION  2.42  STUDEN RELIABILITY  .85 |
|MODEL RMSE    .39 TRUE SD     .95  SEPARATION  2.47  STUDEN RELIABILITY  .86 |
| S.E. OF STUDENT MEAN = .01                                                 |
```

Grade 8

```
TABLE 3.1 NESA Grade 8 Reading 2010 operation S10Gr8R_OUT.txt  Jun 14 14:08 2010
INPUT: 22724 STUDENT  50 Reading  MEASURED: 20425 STUDENT  50 Reading  2 CATS WINSTEPS
3.69.1.14
-------------------------------------------------------------------------------

     SUMMARY OF 20390 MEASURED (NON-EXTREME) STUDENT
-----------------------------------------------------------------------------
|          TOTAL                          MODEL         INFIT        OUTFIT    |
|          SCORE     COUNT     MEASURE   ERROR      MNSQ   ZSTD   MNSQ   ZSTD |
|---------------------------------------------------------------------------|
| MEAN      35.2      50.0         .00     .37      1.00     .1    .97     .0 |
| S.D.       8.6        .1        1.03     .10       .10     .7    .22     .8 |
| MAX.      49.0      50.0        3.01    1.02      1.54    4.4   4.62    4.4 |
| MIN.       1.0      50.0       -5.33     .30       .72   -3.3    .27   -2.9 |
|---------------------------------------------------------------------------|
| REAL RMSE    .39 TRUE SD     .95  SEPARATION  2.43  STUDEN RELIABILITY  .86 |
|MODEL RMSE    .39 TRUE SD     .96  SEPARATION  2.48  STUDEN RELIABILITY  .86 |
| S.E. OF STUDENT MEAN = .01                                                 |
```

Grade 11

```
ABLE 3.1 NESA Grade 11 Reading 2010 operat S10Gr11R_OUT.text  Jun 14 13:49 2010
INPUT: 23179 STUDENT  50 Reading  MEASURED: 20566 STUDENT  50 Reading  2 CATS WINSTEPS
3.69.1.14
-------------------------------------------------------------------------------

     SUMMARY OF 20552 MEASURED (NON-EXTREME) STUDENT
-------------------------------------------------------------------------------
|          TOTAL                          MODEL         INFIT        OUTFIT    |
|          SCORE     COUNT     MEASURE   ERROR      MNSQ   ZSTD   MNSQ   ZSTD |
|-----------------------------------------------------------------------------|
| MEAN      34.6      50.0         .00     .37      1.00     .1    .96     .0 |
| S.D.       8.4        .0        1.01     .08       .12     .8    .26     .9 |
| MAX.      49.0      50.0        3.17    1.02      1.78    6.0   3.87    6.0 |
| MIN.       1.0      50.0       -5.34     .31       .66   -3.5    .17   -3.1 |
|-----------------------------------------------------------------------------|
| REAL RMSE    .39 TRUE SD     .94  SEPARATION  2.43  STUDEN RELIABILITY  .85 |
|MODEL RMSE    .38 TRUE SD     .94  SEPARATION  2.48  STUDEN RELIABILITY  .86 |
| S.E. OF STUDENT MEAN = .01                                                  |
-------------------------------------------------------------------------------
```

Appendix L: Reading Performance Level Descriptors

Nebraska State Accountability-Reading (NeSA-R) Performance Level Descriptor Grade 3

Exceeds the Standard

Overall student performance in reading reflects *high academic* performance on the standards and a *thorough* understanding of the content at or above third grade. A student scoring at the advanced level *consistently* utilizes a variety of reading skills and strategies to comprehend and interpret narrative and informational text at or above grade level.

A student at this level:

- Uses an on-grade-level or above-grade-level reading vocabulary to construct meaning from text.
- Consistently applies a variety of word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade level vocabulary.
- Has a thorough understanding of author's purpose.
- Consistently recognizes how story elements (e.g., plot, setting, characterization, problems) impact text.
- Consistently distinguishes stated or implied main idea and relevant details in informational text.
- Consistently identifies and uses literary devices (e.g., simile, alliteration, onomatopoeia, rhythm).
- Consistently identifies and uses organizational patterns of informational text (e.g., sequence, description, cause/effect, compare/contrast).
- Consistently interprets informational text features (e.g., headings, maps, timelines).
- Consistently identifies defining characteristics of narrative and informational genres (e.g., poetry, biographies, historical fiction).
- Consistently answers literal and inferential questions with accuracy and provides supporting information.

Meets the Standard

Overall student performance in reading reflects *satisfactory* performance on the standards and *sufficient* understanding of the content at third grade. A student scoring at the proficient level *generally* utilizes a variety of reading skills and strategies to comprehend and interpret narrative and informational text at grade level.

A student at this level:

- Uses an on-grade-level reading vocabulary to construct meaning from text.
- Generally applies a variety of word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade-level vocabulary.
- Has a sufficient understanding of author's purpose.
- Generally recognizes how story elements (e.g., plot, setting, characterization, problems) impact text.
- Generally distinguishes stated or implied main idea and relevant details in informational text.
- Generally identifies and uses literary devices (e.g., simile, alliteration, onomatopoeia, rhythm).
- Generally identifies and uses organizational patterns of informational text (e.g., sequence, description, cause/effect, compare/contrast).
- Generally interprets informational text features (e.g., headings, maps, timelines).
- Generally identifies defining characteristics of narrative and informational genres (e.g., poetry, biographies, historical fiction).
- Generally answers literal and inferential questions with accuracy.

Below the Standard

Overall student performance in reading reflects *unsatisfactory* performance on the standards and *insufficient* understanding of the content at third grade. A student scoring at the basic level *inconsistently* utilizes a variety of reading skills and strategies to comprehend and interpret narrative and informational text at grade level.

A student at this level:

- Uses a below-grade-level reading vocabulary to construct meaning from text.
- Inconsistently applies word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade level vocabulary.
- Has an insufficient understanding of author's purpose.
- Inconsistently recognizes how story elements (e.g., plot, setting, characterization, problems) impact text.
- Inconsistently distinguishes stated main idea and some details in informational text.
- Inconsistently identifies and uses literary devices (e.g., simile, alliteration, onomatopoeia, rhythm).
- Inconsistently identifies organizational patterns of informational text (e.g., sequence, description, cause/effect, compare/contrast).
- Inconsistently interprets informational text features (e.g., headings, maps, timelines).
- Insufficiently identifies defining characteristics of narrative and informational genres (e.g., poetry, biographies, historical fiction).
- Inconsistently answers literal questions with accuracy.

Nebraska State Accountability-Reading (NeSA-R) Performance Level Descriptor Grade 4

Exceeds the Standard

Overall student performance in reading reflects *high academic* performance on the standards and *a thorough* understanding of the content at or above fourth grade. A student scoring at the advanced level *consistently* utilizes a variety of reading skills and strategies to comprehend and interpret narrative and informational text at or above grade level.

A student at this level:

- Uses an on-grade-level or above-grade-level reading vocabulary to construct meaning from text.
- Consistently applies a variety of word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade-level vocabulary.
- Has a thorough understanding of how an author's purpose and perspective (beliefs, assumptions, biases) influence text.
- Consistently recognizes and analyzes how story elements (e.g., plot, setting, characterization, problem/resolution) impact text.
- Consistently determines stated or implied main idea and relevant details in informational text.
- Consistently identifies and uses literary devices (e.g., simile, alliteration, metaphor).
- Consistently identifies and uses organizational patterns of informational text (e.g., sequence cause/effect, fact/opinion).
- Consistently interprets informational text features (e.g., headings, maps, tables).
- Consistently identifies defining characteristics of narrative and informational genres (e.g., poetry, biographies, folk tales).
- Consistently answers literal, inferential, and critical questions with accuracy and provides supporting information.

Meets the Standard

Overall student performance in reading reflects *satisfactory* performance on the standards and *sufficient* understanding of the content at fourth grade. A student scoring at the proficient level *generally* utilizes a variety of reading strategies to comprehend and interpret grade-level appropriate narrative and informational text.

A student at this level:

- Uses an on-grade-level reading vocabulary to construct meaning from text.
- Generally applies a variety of word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar words.
- Has sufficient understanding of how an author's purpose and perspective (beliefs, assumptions, biases) influence text.
- Generally recognizes and analyzes how story elements (e.g., plot, setting, characterization, problem/solution) impact text.
- Generally determines stated or implied main idea and relevant details in informational text.
- Generally identifies and uses literary devices (e.g., simile, alliteration, metaphor).
- Generally identifies and uses organizational patterns of informational text (e.g., sequence cause/effect, fact/opinion).
- Generally interprets informational text features (e.g., headings, maps, tables).
- Generally identifies defining characteristics of narrative and informational genres (e.g., poetry, biographies, folk tales).
- Generally answers literal, inferential, and critical questions with accuracy.

Below the Standard

Overall student performance in reading reflects *unsatisfactory* performance on the standards and *insufficient* understanding of the content at fourth grade. A student scoring at the basic level *inconsistently* utilizes a variety of reading skills and strategies to comprehend and interpret narrative and informational text at grade level.

A student at this level:

- Uses a below-grade-level reading vocabulary to construct meaning from text.
- Inconsistently applies word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade-level vocabulary.
- Has insufficient understanding of how an author's purpose influences text.
- Inconsistently recognizes how story elements (e.g., plot setting, characterization, problem/solution) impact text.
- Inconsistently distinguishes stated main idea and relevant details in informational text.
- Inconsistently identifies and uses literary devices (e.g., simile, alliteration, metaphor).
- Inconsistently identifies and uses organizational patterns of informational text (e.g., sequence cause/effect, fact/opinion).
- Inconsistently interprets informational text features (e.g., headings, maps, tables).
- Inconsistently identifies defining characteristics of narrative and informational genres (e.g., poetry, biographies, folk tales).
- Inconsistently answers literal and inferential questions with accuracy.

Nebraska State Accountability-Reading (NeSA-R) Performance Level Descriptor Grade 5

Exceeds the Standard

Overall student performance in reading reflects *high academic* performance on the standards and *a thorough* understanding of the content at or above fifth grade. A student scoring at the advanced level *consistently* utilizes a variety of reading skills and strategies to comprehend and interpret narrative and informational text at or above grade level.

A student at this level:

- Uses an on-grade-level or above-grade-level reading vocabulary to construct meaning from text.
- Consistently applies a variety of word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade level vocabulary.
- Has a thorough understanding of how an author's purpose and perspective (beliefs, assumptions, biases) influence text.
- Consistently recognizes and analyzes how story elements (e.g., plot, setting, characterization, theme) impact text.
- Consistently summarizes and analyzes stated or implied main idea and relevant details in informational text.
- Consistently identifies and uses literary devices (e.g., simile, alliteration, metaphor, imagery).
- Consistently applies knowledge of organizational patterns of informational text (e.g., sequence cause/effect, fact/opinion).
- Consistently interprets informational text features (e.g., headings, maps, indexes).
- Consistently identifies defining characteristics of narrative and informational genres (e.g., poetry, myths, fantasies).
- Consistently answers literal, inferential, critical, and interpretive questions with accuracy and provides supporting information in the text.

Meets the Standard

Overall student performance in reading reflects *satisfactory* performance on the standards and *sufficient* understanding of the content at fifth grade. A student scoring at the proficient level *generally* utilizes a variety of reading strategies to comprehend and interpret grade-level appropriate narrative and informational text.

A student at this level:

- Uses an on-grade-level reading vocabulary to construct meaning from text.
- Generally applies a variety of word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade-level vocabulary.
- Has sufficient understanding of how an author's purpose and perspective (beliefs, assumptions, biases) influence text.
- Generally recognizes and analyzes how story elements (e.g., plot, setting, characterization, theme) impact text.
- Generally summarizes and analyzes stated or implied main idea and relevant details in informational text.
- Generally identifies and uses literary devices (e.g., simile, alliteration, metaphor, imagery).
- Generally applies knowledge of organizational patterns of informational text (e.g., sequence cause/effect, fact/opinion).
- Generally interprets informational text features (e.g., headings, maps, indexes).
- Generally identifies defining characteristics of narrative and informational genres (e.g., poetry, myths, fantasies).
- Consistently answers literal, inferential, critical, and interpretive questions with accuracy in the text.

Below the Standard

Overall student performance in reading reflects *unsatisfactory* performance on the standards and *insufficient* understanding of the content at fifth grade. A student scoring at the basic level *inconsistently* utilizes a variety of reading skills and strategies to comprehend and interpret narrative and informational text at grade level.

A student at this level:

- Uses a below-grade-level reading vocabulary to construct meaning from text.
- Inconsistently applies word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade level vocabulary.
- Has insufficient understanding of how an author's purpose and perspective (beliefs, assumptions, biases) influence text.
- Inconsistently recognizes how story elements (e.g., plot, setting, characterization, theme) impact text.
- Inconsistently distinguishes stated main idea and relevant details in informational text.
- Inconsistently identifies and uses literary devices (e.g., simile, alliteration, metaphor, imagery).
- Inconsistently applies knowledge of organizational patterns of informational text (e.g., sequence cause/effect, fact/opinion).
- Inconsistently interprets informational text features (e.g., headings, maps, indexes).
- Inconsistently identifies defining characteristics of narrative and informational genres (e.g., poetry, myths, fantasies).
- Inconsistently answers literal, inferential, and critical questions with accuracy.

Nebraska State Accountability-Reading (NeSA-R) Performance Level Descriptor Grade 6

Exceeds the Standard

Overall student performance in reading reflects *high academic* performance on the standards and *a thorough* understanding of the content at or above sixth grade. A student scoring at the advanced level *consistently* utilizes a variety of reading skills and strategies to comprehend and interpret narrative and informational text at or above grade level.

A student at this level:

- Uses an on-grade-level or above-grade-level reading vocabulary to construct meaning from text.
- Consistently applies a variety of word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade-level vocabulary.
- Has a thorough understanding of how an author's purpose and perspective (beliefs, assumptions, biases) affect the meaning and reliability of text.
- Consistently identifies and analyzes how story elements (e.g., plot, setting, characterization, theme, point of view) impact text.
- Consistently summarizes and analyzes informational text using stated and implied main idea and relevant details.
- Consistently identifies and interprets literary devices (e.g., simile, alliteration, metaphor, imagery).
- Consistently applies knowledge of organizational patterns of informational text (e.g., sequence cause/effect, fact/opinion).
- Consistently interprets informational text features (e.g., headings, maps, indexes, charts).
- Consistently distinguishes between defining characteristics of narrative and informational genres (e.g., poetry, myths, folk tales).
- Consistently answers literal, inferential, critical, and interpretive questions with accuracy and identifies supporting information in the text.

Meets the Standard

Overall student performance in reading reflects *satisfactory* performance on the standards and *sufficient* understanding of the content at sixth grade. A student scoring at the proficient level *generally* utilizes a variety of reading strategies to comprehend and interpret grade-level appropriate narrative and informational text.

A student at this level:

- Uses an on-grade-level reading vocabulary to construct meaning from text.
- Generally applies a variety of word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade-level vocabulary.
- Has sufficient understanding of how an author's purpose and perspective (beliefs, assumptions, biases) affect the meaning and reliability of text.
- Generally identifies and analyzes how story elements (e.g., plot, setting, characterization, theme, point of view) impact text.
- Generally summarizes and analyzes informational text using stated and implied main idea and relevant details.
- Generally identifies and interprets literary devices (e.g., simile, alliteration, metaphor, imagery).
- Generally applies knowledge of organizational patterns of informational text (e.g., sequence cause/effect, fact/opinion).
- Generally interprets informational text features (e.g., headings, maps, indexes, charts).
- Generally distinguishes between defining characteristics of narrative and informational genres (e.g., poetry, myths, folk tales).
- Generally answers literal, inferential, critical, and interpretive questions with accuracy and provides supporting information in the text.

Below the Standard

Overall student performance in reading reflects *unsatisfactory* performance on the standards and *insufficient* understanding of the content at sixth grade. A student scoring at the basic level *inconsistently* utilizes a variety of reading skills and strategies to comprehend and interpret narrative and informational text at grade level.

A student at this level:

- Uses a below-grade-level reading vocabulary to construct meaning from text.
- Inconsistently applies word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade-level vocabulary.
- Has insufficient understanding of how an author's purpose and perspective (beliefs, assumptions, biases) affect the meaning of text.
- Inconsistently identifies how story elements (e.g., plot, setting, characterization, theme, point of view) impact text.
- Inconsistently distinguishes stated or implied main idea and relevant details in informational text.
- Inconsistently identifies and interprets literary devices (e.g., simile, alliteration, metaphor, imagery).
- Inconsistently applies knowledge of organizational patterns of informational text (e.g., sequence cause/effect, fact/opinion).
- Inconsistently interprets informational text features (e.g., headings, maps, indexes, charts).
- Inconsistently distinguishes between defining characteristics of narrative and informational genres (e.g., poetry, myths, folk tales).
- Inconsistently answers literal, inferential, critical, and interpretive questions with accuracy.

Nebraska State Accountability-Reading (NeSA-R) Performance Level Descriptor Grade 7

Exceeds the Standard

Overall student performance in reading reflects *high academic* performance on the standards and *a thorough* understanding of the content at or above seventh grade. A student scoring at the advanced level *consistently* utilizes a variety of reading skills and strategies to comprehend and interpret narrative and informational text at or above grade level.

A student at this level:

- Uses an on-grade-level or above-grade-level reading vocabulary to construct meaning from text.
- Consistently applies a variety of word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade-level vocabulary.
- Has a thorough understanding of how an author's purpose and perspective (beliefs, assumptions, biases) affect the meaning, reliability, and validity of text.
- Consistently identifies and analyzes how story elements (e.g., plot, setting, characterization, theme, point of view, conflict) impact text.
- Consistently summarizes, analyzes, and synthesizes informational text using stated and implied main idea and relevant details.
- Consistently analyzes author's use of literary devices (e.g., foreshadowing, personification, idiom, irony).
- Consistently applies knowledge of organizational patterns of informational text (e.g., sequence cause/effect, fact/opinion, proposition/support).
- Consistently interprets informational text features (e.g., headings, maps, indexes, charts, annotations).
- Consistently makes inferences based on defining characteristics of narrative and informational genres (e.g., poetry, myths, folk tales, textbooks).
- Consistently answers literal, inferential, critical and interpretive questions with accuracy and identifies supporting information in the text.

Meets the Standard

Overall student performance in reading reflects *satisfactory* performance on the standards and *sufficient* understanding of the content at seventh grade. A student scoring at the proficient level *generally* utilizes a variety of reading strategies to comprehend and interpret grade-level appropriate narrative and informational text.

A student at this level:

- Uses an on-grade-level reading vocabulary to construct meaning from text.
- Generally applies a variety of word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade-level vocabulary.
- Has sufficient understanding of how an author's purpose and perspective (beliefs, assumptions, biases) affect the meaning, reliability, and validity of text.
- Generally identifies and analyzes how story elements (e.g., plot, setting, characterization, theme, point of view, conflict) impact text.
- Generally summarizes, analyzes, and synthesizes informational text using stated and implied main idea and relevant details.
- Generally analyzes author's use of literary devices (e.g., foreshadowing, personification, idiom, irony).
- Generally applies knowledge of organizational patterns of informational text (e.g., sequence cause/effect, fact/opinion, proposition/support).
- Generally interprets informational text features (e.g., headings, maps, indexes, charts, annotations).
- Generally makes inferences based on defining characteristics of narrative and informational genres (e.g., poetry, myths, folk tales, textbooks).
- Generally answers literal, inferential, critical, and interpretive questions with accuracy and identifies supporting information in the text.

Below the Standard

Overall student performance in reading reflects *unsatisfactory* performance on the standards and *insufficient* understanding of the content at seventh grade. A student scoring at the basic level *inconsistently* utilizes a variety of reading skills and strategies to comprehend and interpret narrative and informational text at grade level.

A student at this level:

- Uses a below-grade-level reading vocabulary to construct meaning from text.
- Inconsistently applies word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade-level vocabulary.
- Has insufficient understanding of how an author's purpose and perspective (beliefs, assumptions, biases) affect the meaning and reliability of text.
- Inconsistently identifies and analyzes how story elements (e.g., plot, setting, characterization, theme, point of view, conflict) impact text.
- Inconsistently summarizes informational text using stated main idea and relevant details.
- Inconsistently analyzes author's use of literary devices (e.g., foreshadowing, personification, idiom, irony).
- Inconsistently applies knowledge of organizational patterns of informational text (e.g., sequence cause/effect, fact/opinion, proposition/support).
- Inconsistently interprets informational text features (e.g., headings, maps, indexes, charts, annotations).
- Inconsistently makes inferences based on defining characteristics of narrative and informational genres (e.g., poetry, myths, folk tales, textbooks).
- Inconsistently answers literal, inferential, critical, and interpretive questions with accuracy and occasionally identifies supporting information in the text.

Nebraska State Accountability-Reading (NeSA-R) Performance Level Descriptor Grade 8

Exceeds the Standard

Overall student performance in reading reflects *high academic* performance on the standards and *a thorough* understanding of the content at or above eighth grade. A student scoring at the advanced level *consistently* utilizes a variety of reading skills and strategies to comprehend and interpret narrative and informational text at or above grade level.

A student at this level:

- Uses an on-grade-level or above-grade-level reading vocabulary to construct meaning from text.
- Consistently applies a variety of word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade-level vocabulary.
- Has a thorough understanding of how an author's purpose and perspective (beliefs, assumptions, biases) affect the meaning, reliability, and validity of text.
- Consistently identifies and analyzes how story elements (e.g., plot, setting, characterization, inferred and recurring theme, point of view, conflict) impact text.
- Consistently summarizes, analyzes, and synthesizes informational text using stated and implied main idea and relevant details.
- Consistently analyzes author's use of literary devices (e.g., foreshadowing, personification, idiom, irony, transitional devices).
- Consistently applies knowledge of organizational patterns of informational text (e.g., sequence cause/effect, fact/opinion, proposition/support).
- Consistently analyzes and evaluates information from text features (e.g., headings, maps, indexes, charts, annotations).
- Consistently makes inferences based on defining characteristics of narrative and informational genres.
- Consistently answers literal, inferential, critical and interpretive questions with accuracy and identifies supporting information in the text.

Meets the Standard

Overall student performance in reading reflects *satisfactory* performance on the standards and *sufficient* understanding of the content at eighth grade. A student scoring at the proficient level *generally* utilizes a variety of reading strategies to comprehend and interpret grade-level appropriate narrative and informational text.

A student at this level:

- Uses an on-grade-level reading vocabulary to construct meaning from text.
- Generally applies a variety of word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade-level vocabulary.
- Has sufficient understanding of how an author's purpose and perspective (beliefs, assumptions, biases) affect the meaning, reliability, and validity of text.
- Generally identifies and analyzes how story elements (e.g., plot, setting, characterization, inferred and recurring theme, point of view, conflict) impact text.
- Generally summarizes, analyzes, and synthesizes informational text using stated and implied main idea and relevant details.
- Generally analyzes author's use of literary devices (e.g., foreshadowing, personification, idiom, irony, transitional devices).
- Generally applies knowledge of organizational patterns of informational text (e.g., sequence cause/effect, fact/opinion, proposition/support).
- Generally analyzes and evaluates information from text features (e.g., headings, maps, indexes, charts, annotations).
- Generally makes inferences based on defining characteristics of narrative and informational genres.
- Generally answers literal, inferential, critical, and interpretive questions with accuracy and identifies supporting information in the text.

Below the Standard

Overall student performance in reading reflects *unsatisfactory* performance on the standards and *insufficient* understanding of the content at eighth grade. A student scoring at the basic level *inconsistently* utilizes a variety of reading skills and strategies to comprehend and interpret narrative and informational text at grade level.

A student at this level:

- Uses a below-grade-level reading vocabulary to construct meaning from text.
- Inconsistently applies word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade-level vocabulary.
- Has insufficient understanding of how an author's purpose and perspective (beliefs, assumptions, biases) affect the meaning, reliability, and validity of text.
- Inconsistently identifies and analyzes how story elements (e.g., plot, setting, characterization, inferred and recurring theme, point of view, conflict) impact text.
- Inconsistently summarizes and analyzes informational text using stated main idea and relevant details.
- Inconsistently analyzes author's use of literary devices (e.g., foreshadowing, personification, idiom, irony, transitional devices).
- Inconsistently applies knowledge of organizational patterns of informational text (e.g., sequence cause/effect, fact/opinion, proposition/support).
- Inconsistently analyzes informational text features (e.g., headings, maps, indexes, charts, annotations).
- Inconsistently makes inferences based on defining characteristics of narrative and informational genres.
- Inconsistently answers literal, inferential, critical, and interpretive questions with accuracy and identifies supporting information in the text.

Nebraska State Accountability-Reading (NeSA-R) Performance Level Descriptor Grade 11

Exceeds the Standard

Overall student performance in reading reflects *high academic* performance on the standards and *a thorough* understanding of the content at or above eleventh grade. A student scoring at the advanced level *consistently* utilizes a variety of reading skills and strategies to comprehend and interpret narrative and informational text at or above grade level.

A student at this level:

- Uses an on-grade-level or above-grade-level reading vocabulary to construct meaning from text.
- Consistently applies a variety of word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade-level vocabulary.
- Has a thorough understanding of how an author's purpose and perspective (beliefs, assumptions, biases) affect the meaning, reliability, and validity of text.
- Consistently analyzes and evaluates how story elements (e.g., plot, setting, characterization, inferred and recurring theme, point of view, conflict, mood) impact text.
- Consistently summarizes, analyzes, synthesizes, and evaluates informational text using stated and implied main idea and relevant details.
- Consistently analyzes author's use of stylistic and literary devices (e.g., foreshadowing, personification, irony, transitional devices, oxymoron, tone).
- Consistently applies knowledge of organizational patterns of informational text (e.g., sequence cause/effect, fact/opinion, proposition/support, concept definition).
- Consistently analyzes and evaluates information from text features (e.g., headings, maps, indexes, charts, annotations).
- Consistently makes inferences based on defining characteristics of narrative and informational genres.
- Consistently answers literal, inferential, critical, and interpretive questions with accuracy and identifies supporting information in the text.

Meets the Standard

Overall student performance in reading reflects *satisfactory* performance on the standards and *sufficient* understanding of the content at eleventh grade. A student scoring at the proficient level *generally* utilizes a variety of reading strategies to comprehend and interpret grade-level appropriate narrative and informational text.

A student at this level:

- Uses an on-grade-level reading vocabulary to construct meaning from text.
- Generally applies a variety of word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade-level vocabulary.
- Has sufficient understanding of how an author's purpose and perspective (beliefs, assumptions, biases) affect the meaning, reliability, and validity of text.
- Generally analyzes and evaluates how story elements (e.g., plot, setting, characterization, inferred and recurring theme, point of view, conflict, mood) impact text.
- Generally summarizes, analyzes, synthesizes, and evaluates informational text using stated and implied main idea and relevant details.
- Generally analyzes author's use of stylistic and literary devices (e.g., foreshadowing, personification, irony, transitional devices, oxymoron, tone).
- Generally applies knowledge of organizational patterns of informational text (e.g., sequence cause/effect, fact/opinion, proposition/support, concept definition).
- Generally analyzes and evaluates information from text features (e.g., headings, maps, indexes, charts, annotations).
- Generally makes inferences based on defining characteristics of narrative and informational genres.
- Generally answers literal, inferential, critical, and interpretive questions with accuracy and identifies supporting information in the text.

Below the Standard

Overall student performance in reading reflects *unsatisfactory* performance on the standards and *insufficient* understanding of the content at eleventh grade. A student scoring at the basic level *inconsistently* utilizes a variety of reading skills and strategies to comprehend and interpret narrative and informational text at grade level.

A student at this level:

- Uses a below-grade-level reading vocabulary to construct meaning from text.
- Inconsistently applies word-identification strategies (word structure, context, semantic relationships) to understand unfamiliar grade-level vocabulary.
- Has insufficient understanding of how an author's purpose and perspective (beliefs, assumptions, biases) affect the meaning, reliability, and validity of text.
- Inconsistently analyzes and evaluates how story elements (e.g., plot, setting, characterization, inferred and recurring theme, point of view, conflict, mood) impact text.
- Inconsistently summarizes, analyzes, and synthesizes informational text using stated and implied main idea and relevant details.
- Inconsistently analyzes author's use of literary devices (e.g., foreshadowing, personification, irony, transitional devices, oxymoron, tone).
- Inconsistently applies knowledge of organizational patterns of informational text (e.g., sequence cause/effect, fact/opinion, proposition/support, concept definition).
- Inconsistently analyzes and evaluates information from text features (e.g., headings, maps, indexes, charts, annotations).
- Inconsistently makes inferences based on defining characteristics of narrative and informational genres.
- Inconsistently answers literal, inferential, critical, and interpretive questions with accuracy and identifies supporting information in the text.

Appendix M: Reading Raw-to-Scale Conversion Tables and Distribution of Ability

The charts are simple displays of Scale Score, Raw Score, and percentile rank. The raw score (blue diamonds) and percentile rank (red dots) for any Scale Score can be read directly from chart.

The horizontal dotted lines mark the locations of the proformance levels. *Meets Standards* begins at a Scale Score of 85 and *Exceeds Standards* begins at 135. *Below Standards* is a Scale Score of 84 and below.

The *Box and Whiskers* diagram in the center shows the distribution of scores for the state. The horizontal lines in the diagram are placed at the 10th, 25th, 50th, 75th, and 90th percentiles respectively from the bottom.

The green (sideways) mountain is the student ability distribution in the scale score metric. While it is derived from the count of students at each raw score, it uses the scale score distance between raw scores so is more descriptive of the actual ability distribution than the simple frequencies. This correcting for unequal intervals between raw scores and a statistician might call these *densities* rather than frequencies.

The following page is a more traditional table that was used to create the chart. This table would be used to retrieve the Scale Score or percentile rank for a given raw score. It also includes counts and percentages at each score. This format is more convenient for some purposes but does not visually convey true relationships in the interval scale metric as well as the figure.

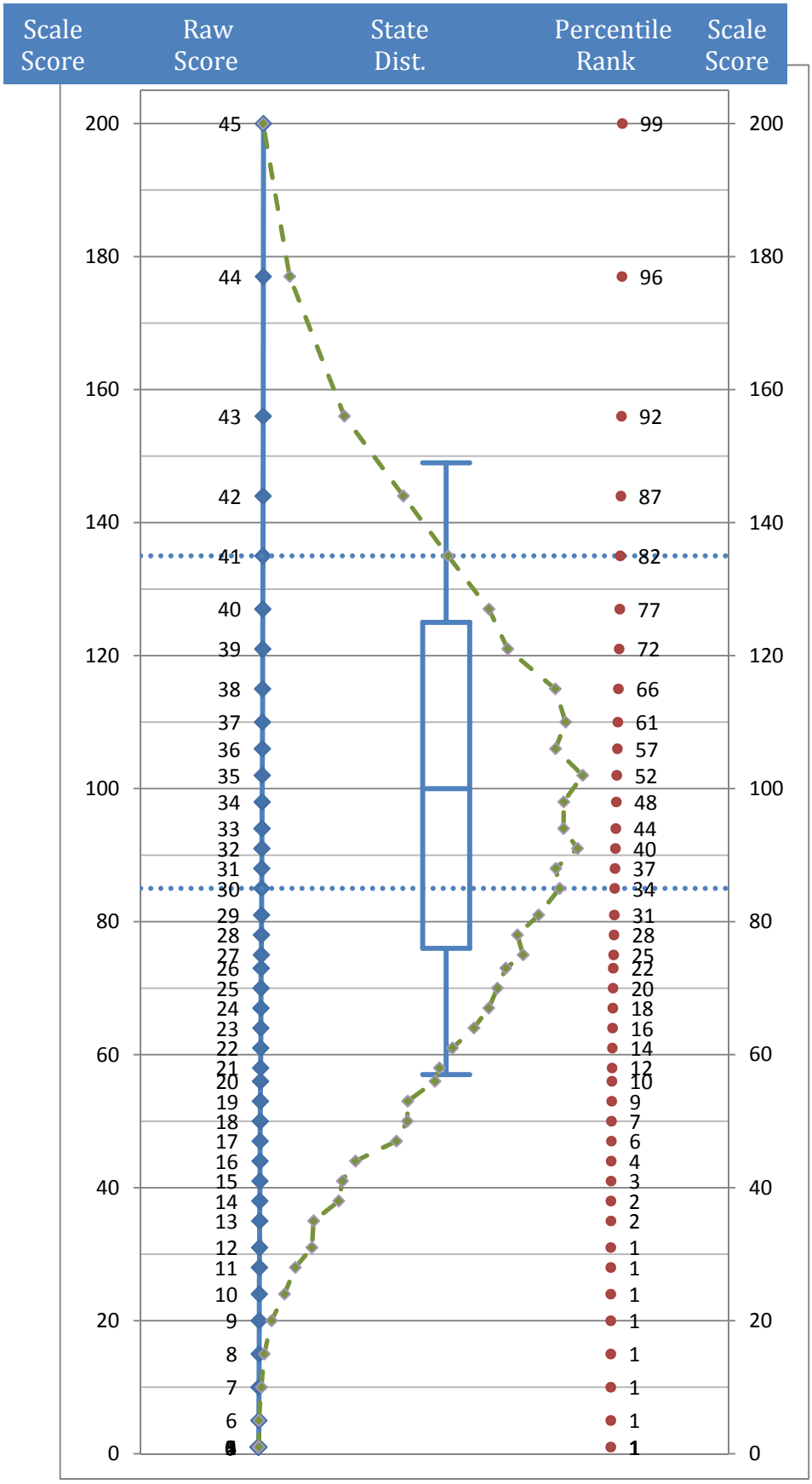

FIGURE 1: GRADE 3 READING RAW SCORE AND PERCENTILE BY SCALE SCORE

Table H..1: Reading Grade Three Raw to Scale Conversion with Percentile Rank

Raw Score	Scale Score	SE	Count	Percent	Cumulative Count	Cumulative Percent	Percentile
45	200	52	350	1.6	21563	100.0	99
44	177	29	695	3.2	21213	98.4	96
43	156	21	983	4.6	20518	95.2	92
42	144	17	1140	5.3	19535	90.6	87
41	135	15	1156	5.4	18395	85.3	82
40	127	14	1161	5.4	17239	79.9	77
39	121	13	1081	5.0	16078	74.6	72
38	115	12	1139	5.3	14997	69.5	66
37	110	12	1065	4.9	13858	64.3	61
36	106	11	946	4.4	12793	59.3	57
35	102	11	960	4.5	11847	54.9	52
34	98	10	849	3.9	10887	50.5	48
33	94	10	804	3.7	10038	46.6	44
32	91	10	803	3.7	9234	42.8	40
31	88	10	719	3.3	8431	39.1	37
30	85	9	704	3.3	7712	35.8	34
29	81	9	636	2.9	7008	32.5	31
28	78	9	574	2.7	6372	29.6	28
27	75	9	575	2.7	5798	26.9	25
26	73	9	529	2.5	5223	24.2	22
25	70	9	505	2.3	4694	21.8	20
24	67	9	483	2.2	4189	19.4	18
23	64	9	450	2.1	3706	17.2	16
22	61	9	405	1.9	3256	15.1	14
21	58	9	379	1.8	2851	13.2	12
20	56	9	372	1.7	2472	11.5	10
19	53	9	318	1.5	2100	9.7	9
18	50	9	322	1.5	1782	8.3	7
17	47	9	304	1.4	1460	6.8	6
16	44	9	219	1.0	1156	5.4	4
15	41	9	195	0.9	937	4.3	3
14	38	10	193	0.9	742	3.4	2
13	35	10	138	0.6	549	2.5	2
12	31	10	140	0.6	411	1.9	1
11	28	10	102	0.5	271	1.3	1
10	24	11	77	0.4	169	0.8	1
9	20	11	42	0.2	92	0.4	1
8	15	11	21	0.1	50	0.2	1
7	10	12	12	0.1	29	0.1	1
6	5	13	3	0.0	17	0.1	1
5	1	14	4	0.0	14	0.1	1
4	1	15	2	0.0	10	0.0	1
3	1	17	2	0.0	8	0.0	1
2	1	21	3	0.0	6	0.0	1
1	1	29	2	0.0	3	0.0	1
0	1	52	1	0.0	1	0.0	1

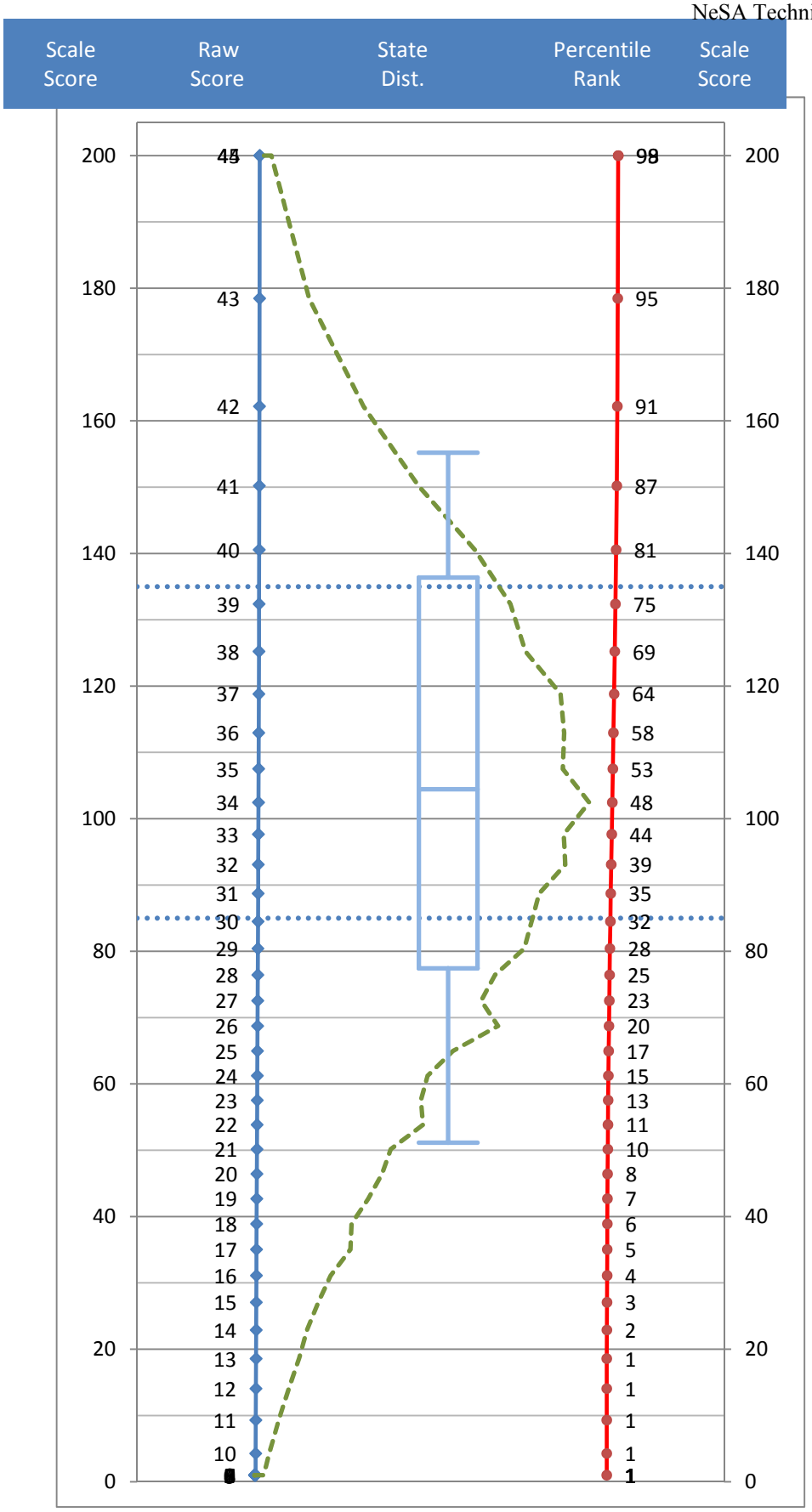

FIGURE 2: GRADE 4 READING RAW SCORE AND PERCENTILE BY SCALE SCORE

Table H.2: Reading Grade Four Raw to Scale Conversion with Percentile Rank

Raw Score	Scale	SE	Count	Percent	Cum Count	Cum Percent	Percen-tile
45	200	67.0	121	0.6	21208	100.0	99
44	200	37.2	413	1.9	21087	99.4	98
43	178	26.8	691	3.3	20674	97.5	95
42	162	22.3	956	4.5	19983	94.2	91
41	150	19.7	1118	5.3	19027	89.7	87
40	141	17.9	1247	5.9	17909	84.4	81
39	132	16.7	1250	5.9	16662	78.6	75
38	125	15.7	1175	5.5	15412	72.7	69
37	119	14.9	1202	5.7	14237	67.1	64
36	113	14.3	1119	5.3	13035	61.5	58
35	108	13.8	1037	4.9	11916	56.2	53
34	102	13.4	1059	5.0	10879	51.3	48
33	98	13.1	928	4.4	9820	46.3	44
32	93	12.8	891	4.2	8892	41.9	39
31	89	12.5	784	3.7	8001	37.7	35
30	85	12.3	738	3.5	7217	34.0	32
29	80	12.1	698	3.3	6479	30.5	28
28	76	12.0	607	2.9	5781	27.3	25
27	73	11.9	561	2.6	5174	24.4	23
26	69	11.8	593	2.8	4613	21.8	20
25	65	11.7	477	2.2	4020	19.0	17
24	61	11.6	413	1.9	3543	16.7	15
23	58	11.6	395	1.9	3130	14.8	13
22	54	11.6	400	1.9	2735	12.9	11
21	50	11.6	324	1.5	2335	11.0	10
20	46	11.7	305	1.4	2011	9.5	8
19	43	11.7	275	1.3	1706	8.0	7
18	39	11.8	238	1.1	1431	6.7	6
17	35	11.9	240	1.1	1193	5.6	5
16	31	12.1	195	0.9	953	4.5	4
15	27	12.2	168	0.8	758	3.6	3
14	23	12.4	143	0.7	590	2.8	2
13	19	12.7	126	0.6	447	2.1	1
12	14	13.0	102	0.5	321	1.5	1
11	9	13.3	76	0.4	219	1.0	1
10	4	13.8	49	0.2	143	0.7	1
9	1	14.3	33	0.2	94	0.4	1
8	1	14.9	26	0.1	61	0.3	1
7	1	15.7	16	0.1	35	0.2	1
6	1	16.7	8	0.0	19	0.1	1
5	1	18.0	2	0.0	11	0.1	1
4	1	19.9	1	0.0	9	0.0	1
3	1	22.6	3	0.0	8	0.0	1
2	1	27.1	0	0.0	5	0.0	1
1	1	37.5	3	0.0	5	0.0	1
0	1	67.2	2	0.0	2	0.0	1

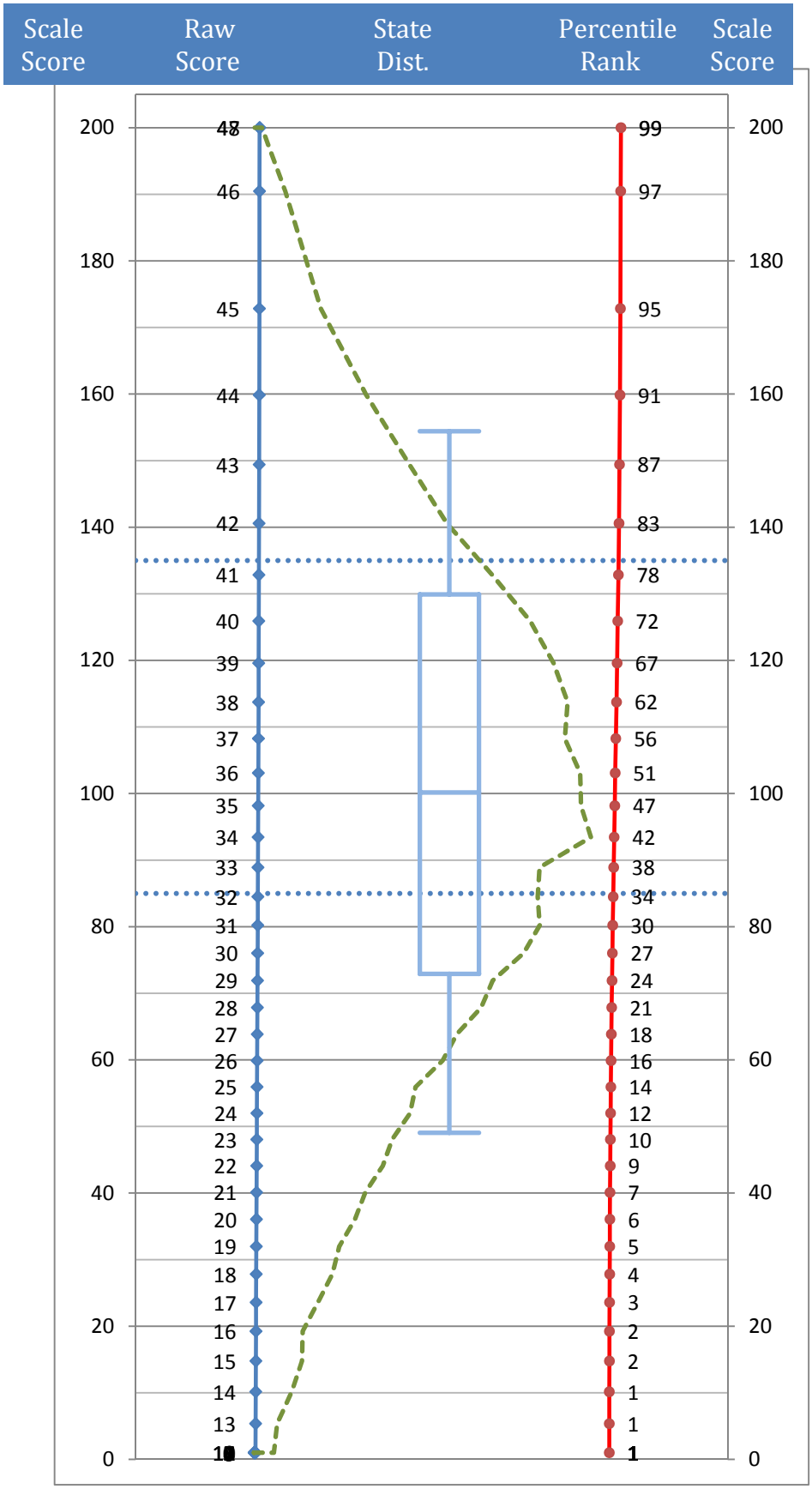

FIGURE 3: GRADE 5 READING RAW SCORE AND PERCENTILE BY SCALE SCORE

Table H.3: Reading Grade Five Raw to Scale Conversion with Percentile Rank

Raw Score	Scale	SE	Count	Percent	Cum Count	Cum Percent	Percen-tile
48	200	72.4	57	0.3	20761	100.0	99
47	200	40.2	202	1.0	20704	99.7	99
46	190	29.0	413	2.0	20502	98.8	97
45	173	24.1	613	3.0	20089	96.8	95
44	160	21.3	802	3.9	19476	93.8	91
43	149	19.4	920	4.4	18674	89.9	87
42	141	18.0	985	4.7	17754	85.5	83
41	133	17.0	1079	5.2	16769	80.8	78
40	126	16.1	1133	5.5	15690	75.6	72
39	120	15.5	1130	5.4	14557	70.1	67
38	114	14.9	1101	5.3	13427	64.7	62
37	108	14.5	1026	4.9	12326	59.4	56
36	103	14.1	1021	4.9	11300	54.4	51
35	98	13.8	978	4.7	10279	49.5	47
34	93	13.5	968	4.7	9301	44.8	42
33	89	13.3	793	3.8	8333	40.1	38
32	85	13.1	765	3.7	7540	36.3	34
31	80	12.9	752	3.6	6775	32.6	30
30	76	12.8	695	3.3	6023	29.0	27
29	72	12.7	605	2.9	5328	25.7	24
28	68	12.6	568	2.7	4723	22.7	21
27	64	12.5	502	2.4	4155	20.0	18
26	60	12.5	464	2.2	3653	17.6	16
25	56	12.5	396	1.9	3189	15.4	14
24	52	12.5	382	1.8	2793	13.5	12
23	48	12.5	339	1.6	2411	11.6	10
22	44	12.5	318	1.5	2072	10.0	9
21	40	12.6	277	1.3	1754	8.4	7
20	36	12.6	254	1.2	1477	7.1	6
19	32	12.7	218	1.1	1223	5.9	5
18	28	12.9	204	1.0	1005	4.8	4
17	24	13.0	170	0.8	801	3.9	3
16	19	13.2	133	0.6	631	3.0	2
15	15	13.4	135	0.7	498	2.4	2
14	10	13.6	110	0.5	363	1.7	1
13	5	13.9	70	0.3	253	1.2	1
12	1	14.2	63	0.3	183	0.9	1
11	1	14.6	43	0.2	120	0.6	1
10	1	15.0	35	0.2	77	0.4	1
9	1	15.6	17	0.1	42	0.2	1
8	1	16.3	13	0.1	25	0.1	1
7	1	17.1	5	0.0	12	0.1	1
6	1	18.1	2	0.0	7	0.0	1
5	1	19.5	0	0.0	5	0.0	1
4	1	21.4	0	0.0	5	0.0	1
3	1	24.2	1	0.0	5	0.0	1
2	1	29.1	0	0.0	4	0.0	1
1	1	40.3	3	0.0	4	0.0	1
0	1	72.5	1	0.0	1	0.0	1

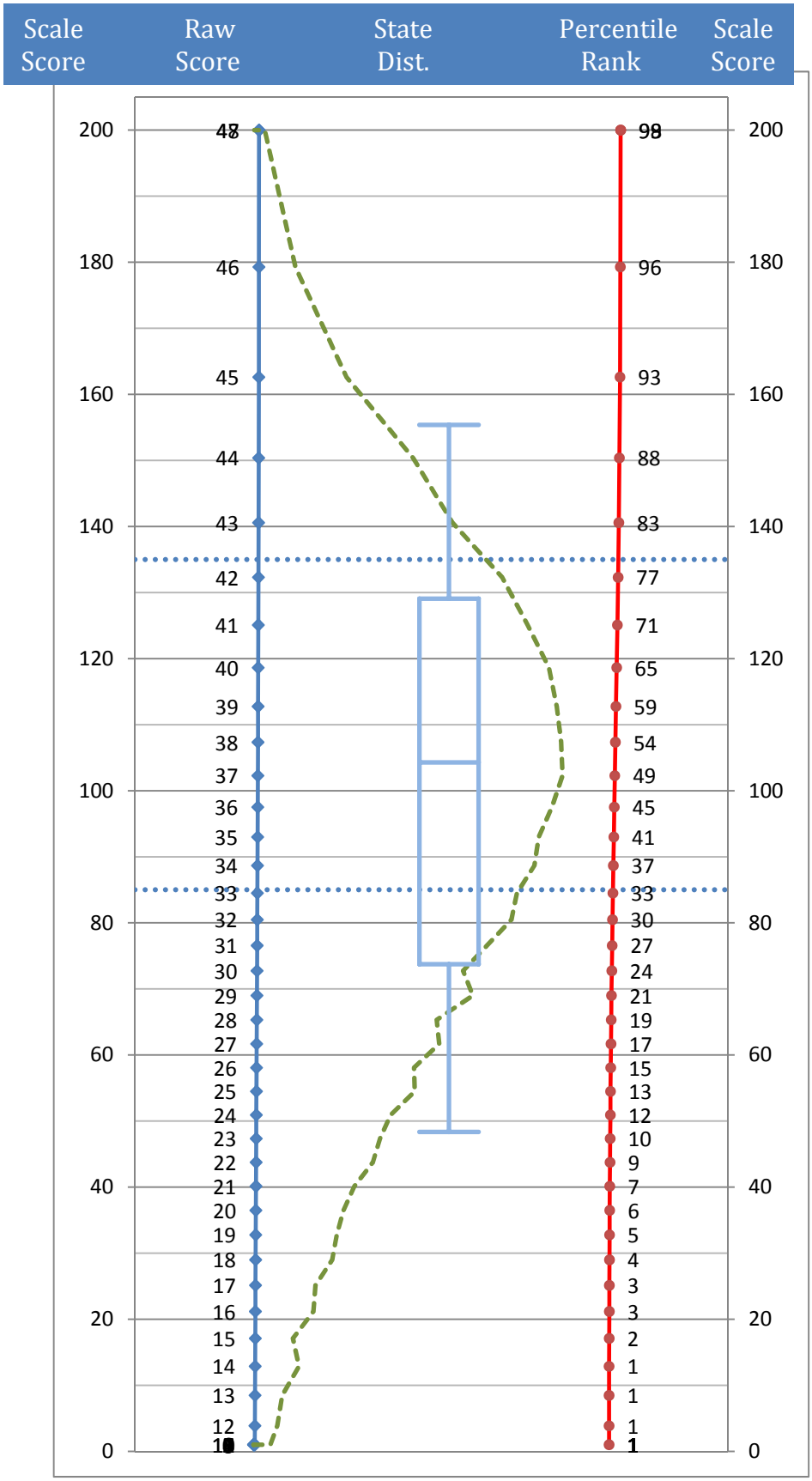

FIGURE 4: GRADE 6 READING RAW SCORE AND PERCENTILE BY SCALE SCORE

Table H.4: Reading Grade Six Raw to Scale Conversion with Percentile Rank

Raw Score	Scale	SE	Count	Percent	Cum Count	Cum Percent	Percen-tile
48	200	69.2	76	0.4	20504	100.0	99
47	200	38.4	285	1.4	20428	99.6	98
46	179	27.6	551	2.7	20143	98.2	96
45	163	22.9	842	4.1	19592	95.6	93
44	150	20.2	1120	5.5	18750	91.4	88
43	141	18.4	1154	5.6	17630	86.0	83
42	132	17.0	1240	6.0	16476	80.4	77
41	125	16.0	1209	5.9	15236	74.3	71
40	119	15.2	1176	5.7	14027	68.4	65
39	113	14.6	1107	5.4	12851	62.7	59
38	107	14.0	1043	5.1	11744	57.3	54
37	102	13.6	983	4.8	10701	52.2	49
36	98	13.2	898	4.4	9718	47.4	45
35	93	12.9	818	4.0	8820	43.0	41
34	89	12.6	773	3.8	8002	39.0	37
33	85	12.4	699	3.4	7229	35.3	33
32	80	12.2	664	3.2	6530	31.8	30
31	77	12.1	585	2.9	5866	28.6	27
30	73	11.9	514	2.5	5281	25.8	24
29	69	11.8	528	2.6	4767	23.2	21
28	65	11.7	435	2.1	4239	20.7	19
27	62	11.7	436	2.1	3804	18.6	17
26	58	11.6	374	1.8	3368	16.4	15
25	54	11.6	374	1.8	2994	14.6	13
24	51	11.6	318	1.6	2620	12.8	12
23	47	11.6	294	1.4	2302	11.2	10
22	44	11.7	279	1.4	2008	9.8	9
21	40	11.7	238	1.2	1729	8.4	7
20	36	11.8	215	1.0	1491	7.3	6
19	33	11.9	202	1.0	1276	6.2	5
18	29	12.0	195	1.0	1074	5.2	4
17	25	12.1	157	0.8	879	4.3	3
16	21	12.3	156	0.8	722	3.5	3
15	17	12.5	106	0.5	566	2.8	2
14	13	12.7	127	0.6	460	2.2	1
13	8	13.0	84	0.4	333	1.6	1
12	4	13.3	73	0.4	249	1.2	1
11	1	13.7	55	0.3	176	0.9	1
10	1	14.2	40	0.2	121	0.6	1
9	1	14.7	33	0.2	81	0.4	1
8	1	15.4	18	0.1	48	0.2	1
7	1	16.2	6	0.0	30	0.1	1
6	1	17.2	4	0.0	24	0.1	1
5	1	18.5	2	0.0	20	0.1	1
4	1	20.4	1	0.0	18	0.1	1
3	1	23.1	1	0.0	17	0.1	1
2	1	27.8	3	0.0	16	0.1	1
1	1	38.5	7	0.0	13	0.1	1
0	1	69.3	6	0.0	6	0.0	1

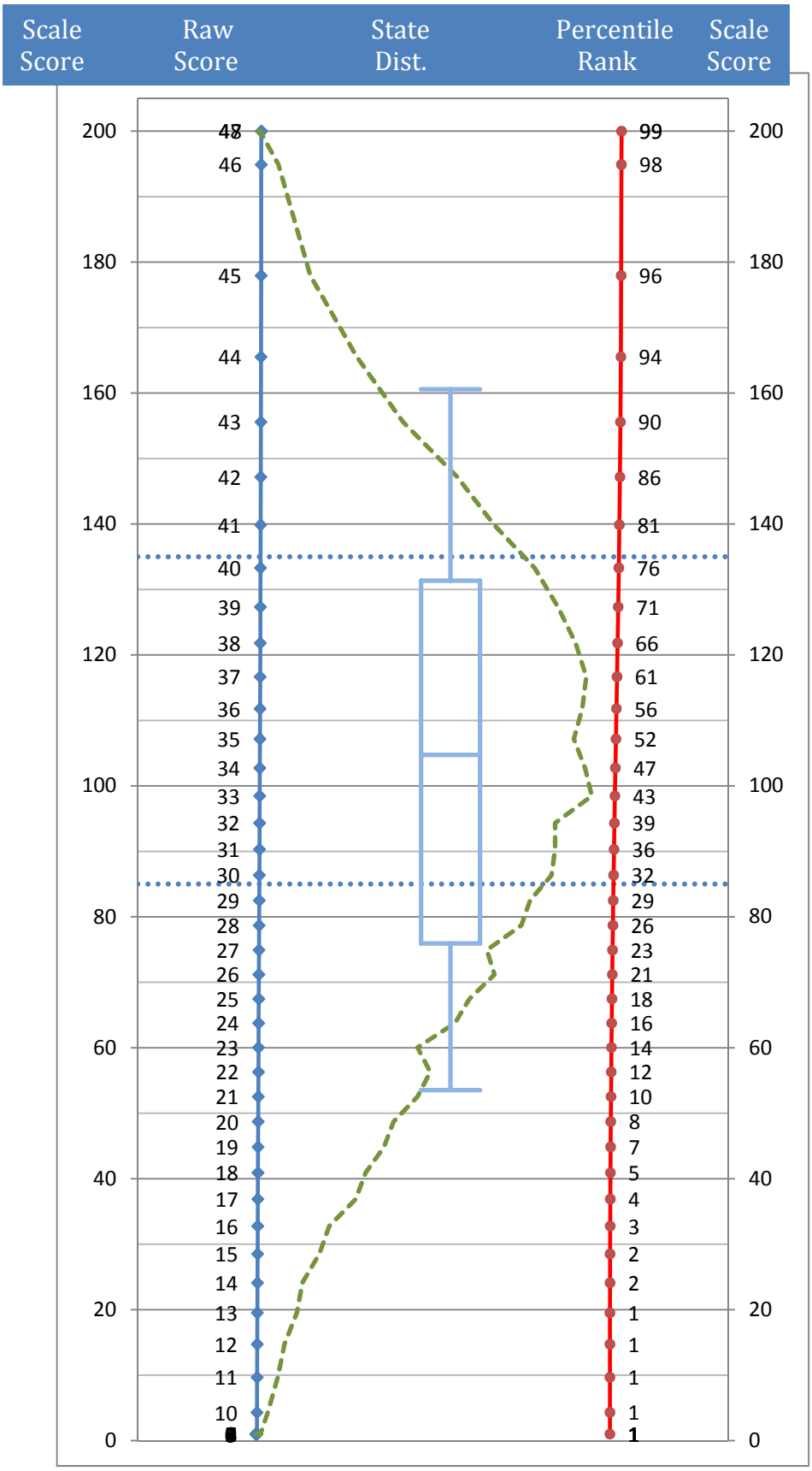

FIGURE 5: GRADE 7 READING RAW SCORE AND PERCENTILE BY SCALE SCORE

Table H.5: Reading Grade Seven Raw to Scale Conversion with Percentile Rank

Raw Score	Scale	SE	Count	Percent	Cum Count	Cum Percent	Percen-tile
48	200	70.8	22	0.1	20401	100.0	99
47	200	39.2	101	0.5	20379	99.9	99
46	195	28.2	281	1.4	20278	99.4	98
45	178	23.4	466	2.3	19997	98.0	96
44	166	20.6	669	3.3	19531	95.7	94
43	156	18.7	806	4.0	18862	92.5	90
42	147	17.3	949	4.7	18056	88.5	86
41	140	16.3	993	4.9	17107	83.9	81
40	133	15.5	1050	5.1	16114	79.0	76
39	127	14.9	1045	5.1	15064	73.8	71
38	122	14.3	1028	5.0	14019	68.7	66
37	117	13.9	998	4.9	12991	63.7	61
36	112	13.5	934	4.6	11993	58.8	56
35	107	13.2	869	4.3	11059	54.2	52
34	103	12.9	864	4.2	10190	49.9	47
33	98	12.7	852	4.2	9326	45.7	43
32	94	12.5	737	3.6	8474	41.5	39
31	90	12.4	719	3.5	7737	37.9	36
30	86	12.3	696	3.4	7018	34.4	32
29	83	12.2	635	3.1	6322	31.0	29
28	79	12.1	607	3.0	5687	27.9	26
27	75	12.0	523	2.6	5080	24.9	23
26	71	12.0	537	2.6	4557	22.3	21
25	67	12.0	479	2.3	4020	19.7	18
24	64	12.0	447	2.2	3541	17.4	16
23	60	12.0	364	1.8	3094	15.2	14
22	56	12.0	395	1.9	2730	13.4	12
21	53	12.1	370	1.8	2335	11.4	10
20	49	12.2	319	1.6	1965	9.6	8
19	45	12.3	302	1.5	1646	8.1	7
18	41	12.4	264	1.3	1344	6.6	5
17	37	12.5	246	1.2	1080	5.3	4
16	33	12.7	186	0.9	834	4.1	3
15	29	12.9	166	0.8	648	3.2	2
14	24	13.2	126	0.6	482	2.4	2
13	20	13.4	116	0.6	356	1.7	1
12	15	13.8	85	0.4	240	1.2	1
11	10	14.2	69	0.3	155	0.8	1
10	4	14.6	40	0.2	86	0.4	1
9	1	15.2	17	0.1	46	0.2	1
8	1	15.8	11	0.1	29	0.1	1
7	1	16.7	6	0.0	18	0.1	1
6	1	17.7	2	0.0	12	0.1	1
5	1	19.1	2	0.0	10	0.0	1
4	1	20.9	1	0.0	8	0.0	1
3	1	23.7	1	0.0	7	0.0	1
2	1	28.5	1	0.0	6	0.0	1
1	1	39.5	1	0.0	5	0.0	1
0	1	70.9	4	0.0	4	0.0	1

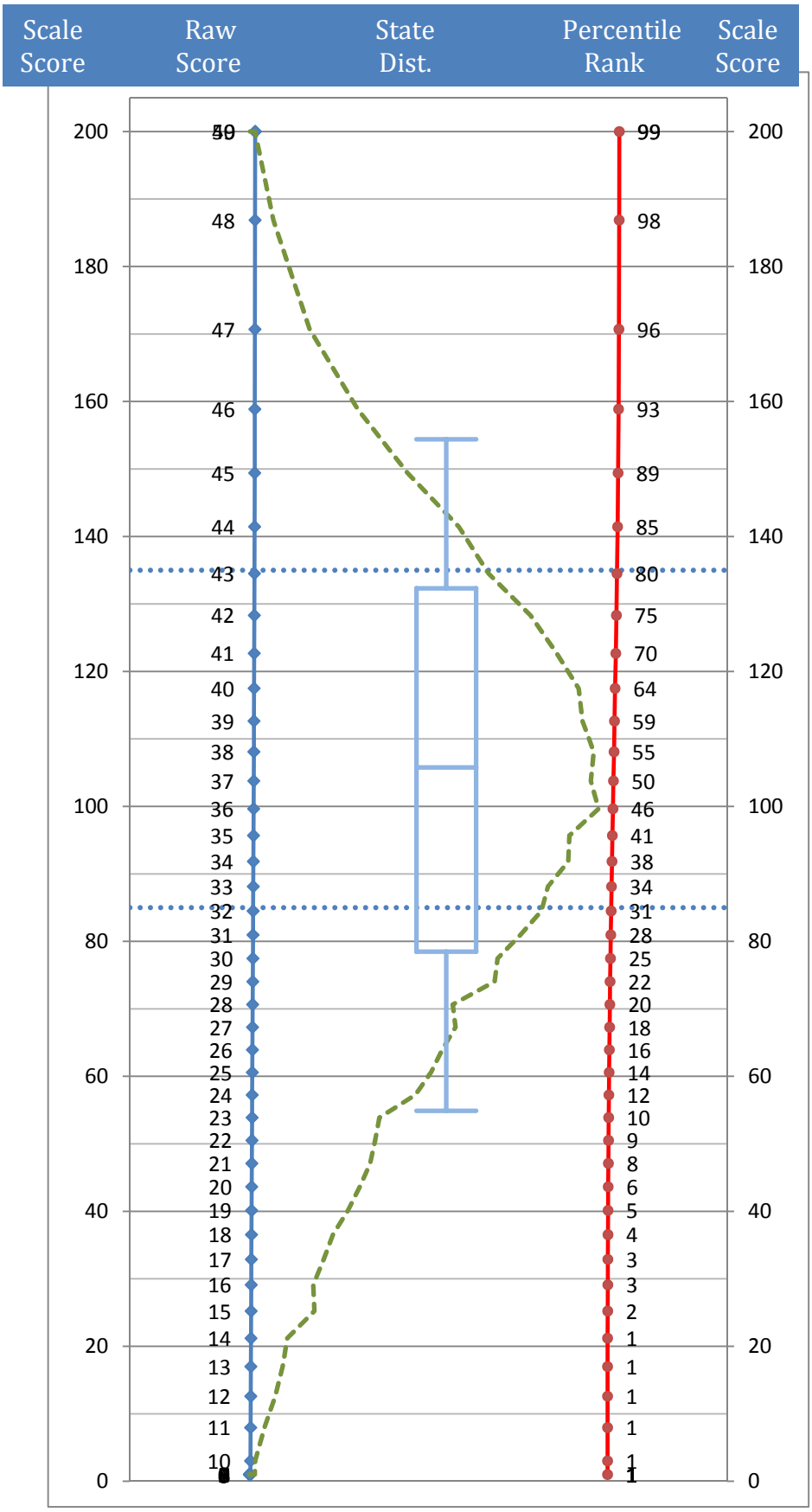

FIGURE 6: GRADE 8 READING RAW SCORE AND PERCENTILE BY SCALE SCORE

Table H.6: Reading Grade Eight Raw to Scale Conversion with Percentile Rank

Raw Score	Scale	SE	Count	Percent	Cum Count	Cum Percent	Percen-tile
50	200	67.8	31	0.2	20425	100.0	99
49	200	37.6	137	0.7	20394	99.8	99
48	187	27.0	301	1.5	20257	99.2	98
47	171	22.4	517	2.5	19956	97.7	96
46	159	19.7	718	3.5	19439	95.2	93
45	149	17.8	864	4.2	18721	91.7	89
44	141	16.5	983	4.8	17857	87.4	85
43	135	15.5	991	4.9	16874	82.6	80
42	128	14.8	1050	5.1	15883	77.8	75
41	123	14.1	1052	5.2	14833	72.6	70
40	117	13.6	1045	5.1	13781	67.5	64
39	113	13.2	991	4.9	12736	62.4	59
38	108	12.8	968	4.7	11745	57.5	55
37	104	12.5	914	4.5	10777	52.8	50
36	100	12.2	896	4.4	9863	48.3	46
35	96	12.0	791	3.9	8967	43.9	41
34	92	11.8	763	3.7	8176	40.0	38
33	88	11.6	695	3.4	7413	36.3	34
32	85	11.5	664	3.3	6718	32.9	31
31	81	11.4	604	3.0	6054	29.6	28
30	77	11.3	544	2.7	5450	26.7	25
29	74	11.2	531	2.6	4906	24.0	22
28	71	11.2	436	2.1	4375	21.4	20
27	67	11.1	439	2.1	3939	19.3	18
26	64	11.1	409	2.0	3500	17.1	16
25	61	11.1	385	1.9	3091	15.1	14
24	57	11.1	353	1.7	2706	13.2	12
23	54	11.2	278	1.4	2353	11.5	10
22	51	11.2	271	1.3	2075	10.2	9
21	47	11.3	263	1.3	1804	8.8	8
20	44	11.3	244	1.2	1541	7.5	6
19	40	11.5	222	1.1	1297	6.4	5
18	37	11.6	192	0.9	1075	5.3	4
17	33	11.7	175	0.9	883	4.3	3
16	29	11.9	155	0.8	708	3.5	3
15	25	12.1	163	0.8	553	2.7	2
14	21	12.3	99	0.5	390	1.9	1
13	17	12.6	91	0.4	291	1.4	1
12	13	12.9	74	0.4	200	1.0	1
11	8	13.3	46	0.2	126	0.6	1
10	3	13.7	19	0.1	80	0.4	1
9	1	14.3	19	0.1	61	0.3	1
8	1	14.9	13	0.1	42	0.2	1
7	1	15.7	11	0.1	29	0.1	1
6	1	16.7	3	0.0	18	0.1	1
5	1	18.0	4	0.0	15	0.1	1
4	1	19.8	2	0.0	11	0.1	1
3	1	22.5	2	0.0	9	0.0	1
2	1	27.1	1	0.0	7	0.0	1
1	1	37.7	2	0.0	6	0.0	1
0	1	67.9	4	0.0	4	0.0	1

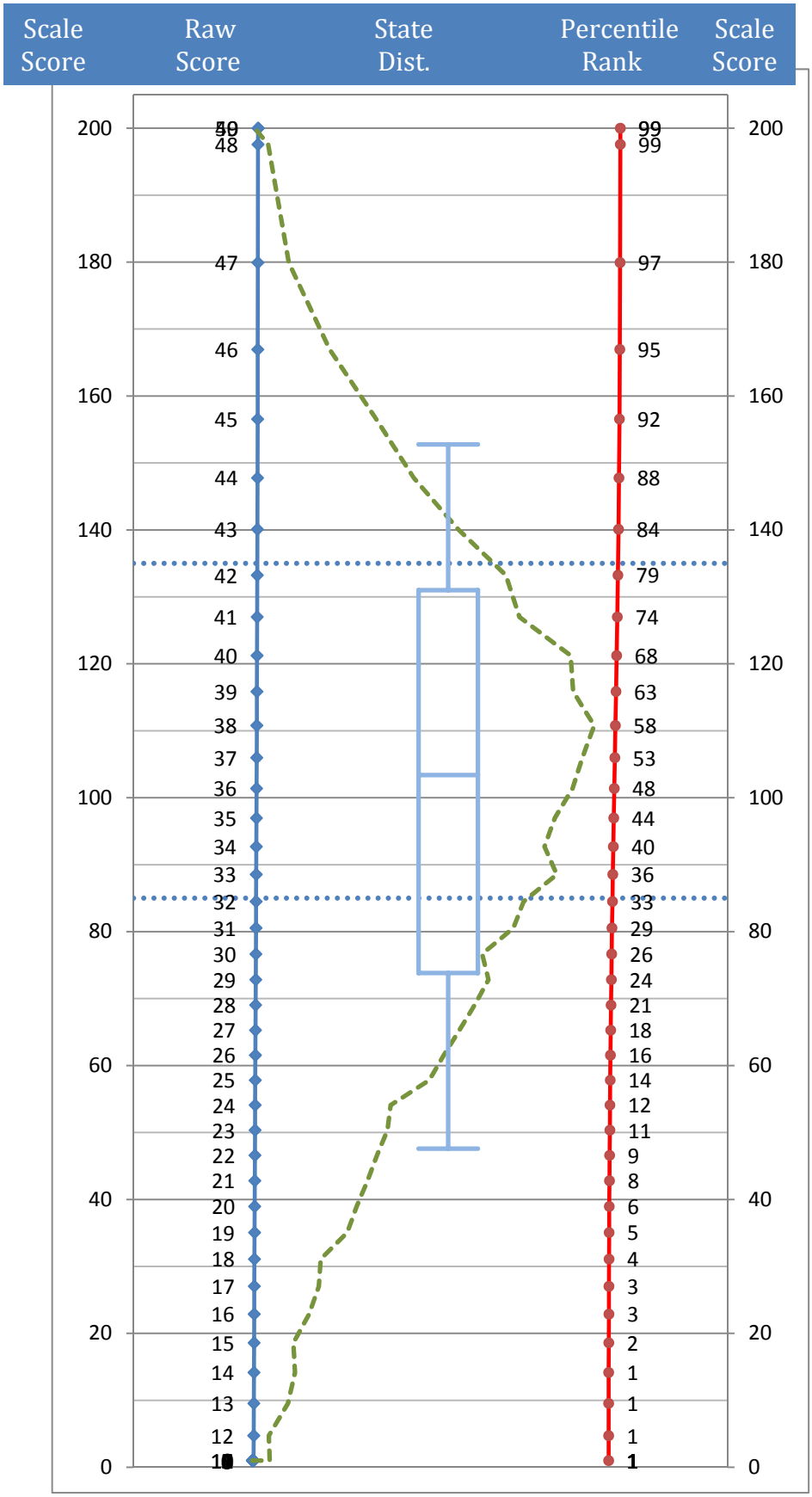

FIGURE 7: GRADE 11 READING RAW SCORE AND PERCENTILE BY SCALE SCORE

Table **H.7: Reading Grade Eleven Raw to Scale Conversion with Percentile Rank**

Raw Score	Scale	SE	Count	Percent	Cum Count	Cum Percent	Percen-tile
50	200	67.8	31	0.2	20425	100.0	99
49	200	37.6	137	0.7	20394	99.8	99
48	187	27.0	301	1.5	20257	99.2	98
47	171	22.4	517	2.5	19956	97.7	96
46	159	19.7	718	3.5	19439	95.2	93
45	149	17.8	864	4.2	18721	91.7	89
44	141	16.5	983	4.8	17857	87.4	85
43	135	15.5	991	4.9	16874	82.6	80
42	128	14.8	1050	5.1	15883	77.8	75
41	123	14.1	1052	5.2	14833	72.6	70
40	117	13.6	1045	5.1	13781	67.5	64
39	113	13.2	991	4.9	12736	62.4	59
38	108	12.8	968	4.7	11745	57.5	55
37	104	12.5	914	4.5	10777	52.8	50
36	100	12.2	896	4.4	9863	48.3	46
35	96	12.0	791	3.9	8967	43.9	41
34	92	11.8	763	3.7	8176	40.0	38
33	88	11.6	695	3.4	7413	36.3	34
32	85	11.5	664	3.3	6718	32.9	31
31	81	11.4	604	3.0	6054	29.6	28
30	77	11.3	544	2.7	5450	26.7	25
29	74	11.2	531	2.6	4906	24.0	22
28	71	11.2	436	2.1	4375	21.4	20
27	67	11.1	439	2.1	3939	19.3	18
26	64	11.1	409	2.0	3500	17.1	16
25	61	11.1	385	1.9	3091	15.1	14
24	57	11.1	353	1.7	2706	13.2	12
23	54	11.2	278	1.4	2353	11.5	10
22	51	11.2	271	1.3	2075	10.2	9
21	47	11.3	263	1.3	1804	8.8	8
20	44	11.3	244	1.2	1541	7.5	6
19	40	11.5	222	1.1	1297	6.4	5
18	37	11.6	192	0.9	1075	5.3	4
17	33	11.7	175	0.9	883	4.3	3
16	29	11.9	155	0.8	708	3.5	3
15	25	12.1	163	0.8	553	2.7	2
14	21	12.3	99	0.5	390	1.9	1
13	17	12.6	91	0.4	291	1.4	1
12	13	12.9	74	0.4	200	1.0	1
11	8	13.3	46	0.2	126	0.6	1
10	3	13.7	19	0.1	80	0.4	1
9	1	14.3	19	0.1	61	0.3	1
8	1	14.9	13	0.1	42	0.2	1
7	1	15.7	11	0.1	29	0.1	1
6	1	16.7	3	0.0	18	0.1	1
5	1	18.0	4	0.0	15	0.1	1
4	1	19.8	2	0.0	11	0.1	1
3	1	22.5	2	0.0	9	0.0	1
2	1	27.1	1	0.0	7	0.0	1
1	1	37.7	2	0.0	6	0.0	1
0	1	67.9	4	0.0	4	0.0	1

Appendix N: NeSA Reading Bank Item Difficulties

These spreadsheets are taken directly from the Winsteps output, table 14. They provide a basic summary of the calibration process for each item.

Grade 3

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Reading
1	21563	-1.7586A	.0188	1.01	.5	.97	-1.4	.37	.37	562867
2	21563	-1.7666A	.0189	.93	-6.6	.83	-8.3	.43	.37	562871
3	21563	-1.8987A	.0195	1.03	2.3	1.06	2.4	.33	.35	562872
4	21563	-.4603A	.0156	1.09	9.9	1.10	9.5	.38	.45	562874
5	21563	-1.9169A	.0195	.91	-8.2	.80	-8.9	.43	.35	562882
6	21563	-1.8152A	.0191	.96	-4.1	.89	-5.0	.40	.36	562886
7	21563	-1.4633A	.0177	1.01	.6	1.01	.4	.39	.39	562888
8	21563	-1.6237A	.0183	1.05	4.9	1.06	3.0	.34	.38	562889
9	21563	-1.5125A	.0179	.92	-8.7	.84	-9.0	.45	.39	562909
10	21563	-.4127A	.0156	1.05	8.2	1.07	6.7	.41	.45	562917
11	21563	.3379A	.0155	.99	-1.7	1.03	3.5	.46	.46	562920
12	21563	-1.8068A	.0190	.95	-5.1	.87	-6.1	.41	.36	562927
13	21563	-1.1632A	.0168	1.02	2.1	1.00	.1	.40	.41	562930
14	21563	-.7666A	.0160	.92	-9.9	.87	-9.9	.50	.43	562931
15	21563	-.0900A	.0154	1.16	9.9	1.20	9.9	.33	.46	562995
16	21563	-1.1950A	.0169	.90	-9.9	.80	-9.9	.49	.41	562999
17	21563	-.2162A	.0154	.91	-9.9	.88	-9.9	.52	.45	563004
18	21563	-.5832A	.0157	1.06	8.3	1.05	4.1	.40	.44	563006
19	21563	-1.6593A	.0184	.89	-9.9	.76	-9.9	.47	.37	563018
20	21563	-.7721A	.0160	1.04	5.2	1.04	3.5	.41	.43	563021
21	21563	-1.7899A	.0190	.90	-9.6	.78	-9.9	.45	.36	563024
22	21563	-1.0683A	.0166	1.03	3.8	1.01	.4	.40	.42	563025
23	21563	-1.3081A	.0172	.94	-7.7	.84	-9.9	.46	.40	563036
24	21563	-1.3901A	.0175	.90	-9.9	.80	-9.9	.48	.40	563043
25	21563	-2.2168A	.0212	.93	-5.7	.77	-9.2	.39	.33	563045
26	21563	-2.9141A	.0264	.92	-4.1	.75	-7.1	.33	.26	563098
27	21563	-1.8198A	.0191	.95	-4.7	.86	-6.4	.41	.36	563108
28	21563	-1.7465A	.0188	.88	-9.9	.71	-9.9	.47	.37	563112
29	21563	.0522A	.0154	1.16	9.9	1.22	9.9	.33	.46	563115
30	21563	-.6236A	.0158	1.12	9.9	1.17	9.9	.35	.44	563118
31	21563	-1.8680A	.0193	.95	-4.7	.87	-5.7	.40	.36	563119
32	21563	-1.2476A	.0170	.95	-6.7	.88	-7.7	.45	.41	563122
33	21563	-2.1377A	.0207	.89	-8.9	.72	-9.9	.43	.33	563124
34	21563	-1.1542A	.0168	.90	-9.9	.82	-9.9	.49	.41	563126
35	21563	-.8221A	.0161	.98	-2.6	.94	-5.1	.45	.43	563127
36	21563	-1.0891A	.0166	.96	-5.3	.93	-4.8	.45	.42	563142
37	21563	-.7008A	.0159	1.05	7.5	1.10	8.5	.39	.44	563143
38	21563	-1.2249A	.0170	.90	-9.9	.82	-9.9	.49	.41	565092
39	21563	-1.0105A	.0165	.96	-5.5	.90	-7.4	.46	.42	565093
40	21563	-1.5301A	.0179	1.17	9.9	1.42	9.9	.23	.39	565108
41	21563	-.6152A	.0158	1.09	9.9	1.12	9.9	.37	.44	565109
42	21563	-1.1693A	.0168	.80	-9.9	.69	-9.9	.57	.41	565111
43	21563	-1.9754A	.0198	.88	-9.9	.71	-9.9	.45	.35	565112
44	21563	-1.3578A	.0174	.95	-6.0	.88	-7.5	.44	.40	565114

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Reading
45	21563	-.8554A	.0161	1.13	9.9	1.18	9.9	.33	.43	565135
46	3569	-.2170	.0381	1.11	6.8	1.18	7.0	.37	.46	602276
47	3569	-1.0900	.0414	.98	-1.2	.93	-1.9	.44	.42	602277
48	3569	.1434	.0379	1.13	8.2	1.23	9.3	.36	.46	602278
49	3569	-.5983	.0391	1.00	.2	.96	-1.2	.45	.44	602279
50	3569	.3759	.0381	1.30	9.9	1.45	9.9	.23	.46	602280
51	3569	-1.0054	.0409	.85	-8.4	.77	-6.8	.54	.42	602281
52	3569	1.0437	.0403	1.25	9.9	1.49	9.9	.24	.45	602282
53	3569	.0356	.0379	1.02	1.6	1.04	1.9	.44	.46	602284
54	3569	-1.4573	.0441	.86	-6.6	.74	-6.2	.51	.39	602286
55	3569	-.7388	.0396	1.06	3.3	1.07	2.1	.39	.44	602289
56	7457	-1.9880	.0331	.92	-4.2	.79	-5.7	.42	.35	602290
57	7457	-1.2836	.0287	.97	-2.6	.91	-3.3	.44	.40	602291
58	7457	1.1511	.0289	1.11	7.6	1.34	9.9	.32	.43	602292
59	7457	-.0024	.0261	1.25	9.9	1.38	9.9	.25	.45	602294
60	7457	.2320	.0262	1.26	9.9	1.38	9.9	.24	.45	602295
61	7457	.6242	.0270	1.03	2.3	1.11	5.4	.41	.45	602296
62	7457	.0950	.0261	1.14	9.9	1.20	9.9	.34	.45	602297
63	7457	.7899	.0275	1.14	9.9	1.35	9.9	.31	.44	602299
64	7457	-1.4213	.0293	.99	-.9	.97	-1.0	.41	.40	602302
65	7457	.6548	.0271	1.14	9.9	1.30	9.9	.33	.44	602304
66	3491	-2.1798	.0525	1.03	.9	1.29	4.1	.28	.33	602308
67	3491	-.5170	.0388	.94	-3.5	.90	-4.0	.49	.44	602309
68	3491	-1.4114	.0438	.89	-5.0	.81	-4.7	.48	.39	602310
69	3491	1.6272	.0448	1.23	9.1	2.02	9.9	.12	.38	602311
70	3491	-1.1942	.0421	.83	-9.1	.68	-9.7	.56	.41	602312
71	3491	.2086	.0380	1.42	9.9	1.58	9.9	.10	.45	602316
72	3491	-1.1713	.0420	.99	-.7	.96	-1.2	.42	.41	602318
73	3491	1.0053	.0403	1.22	9.9	1.49	9.9	.21	.42	602319
74	3491	-.2027	.0381	1.12	7.7	1.14	6.2	.35	.45	602320
75	3491	-.1027	.0380	1.13	8.5	1.16	7.0	.34	.45	602324
76	3537	-1.8714	.0482	.95	-1.9	.89	-1.9	.39	.35	602325
77	3537	-1.0429	.0411	1.03	1.8	1.01	.2	.40	.42	602326
78	3537	-1.3612	.0433	1.11	5.1	1.45	9.1	.28	.40	602328
79	3537	-.3248	.0385	.91	-5.7	.87	-5.6	.52	.46	602330
80	3537	-.7938	.0399	1.14	7.6	1.29	8.5	.32	.44	602331
81	3537	-.7953	.0399	1.02	1.1	.95	-1.6	.43	.44	602332
82	3537	.3896	.0385	1.24	9.9	1.38	9.9	.28	.47	602333
83	3537	-1.7647	.0470	.90	-4.0	.79	-4.0	.44	.36	602334
84	3537	-.7778	.0398	.98	-1.1	.95	-1.5	.45	.44	602337
85	3537	.0630	.0382	.98	-1.2	1.01	.4	.47	.47	602339
86	3509	-.9993	.0411	1.17	8.3	1.25	6.5	.29	.42	602341
87	3509	.4653	.0386	1.19	9.9	1.30	9.9	.31	.46	602342
88	3509	-1.0163	.0412	1.03	1.5	1.04	1.0	.40	.42	602343
89	3509	.7388	.0394	1.16	8.8	1.31	9.9	.32	.46	602344
90	3509	-1.3896	.0437	.94	-2.9	.81	-4.4	.46	.39	602345
91	3509	-.3845	.0387	.98	-1.5	.96	-1.5	.47	.45	602348
92	3509	-.3113	.0386	1.26	9.9	1.37	9.9	.25	.46	602349
93	3509	-1.6944	.0466	.88	-4.7	.73	-5.6	.47	.37	602352
94	3509	-1.4594	.0443	.91	-4.1	.78	-5.0	.47	.39	602354
95	3509	.3924	.0385	1.27	9.9	1.39	9.9	.25	.46	602356
MEAN	12483	-.8280	.0286	1.03	.6	1.03	.2			
S.D.	8688.5	.8973	.0114	.12	7.2	.25	7.5			

Grade 4

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Reading
1	21208	-1.9009A	.0197	.92	-7.2	.77	-9.9	.43	.35	563202
2	21208	-.9602A	.0164	.95	-6.7	.91	-6.9	.46	.41	563203
3	21208	-1.5606A	.0182	.93	-6.9	.90	-5.8	.43	.38	563204
4	21208	-3.8563A	.0390	.87	-4.0	.44	-9.9	.29	.18	563206
5	21208	-1.9643A	.0200	.83	-9.9	.62	-9.9	.49	.34	563209
6	21208	.2878A	.0154	1.12	9.9	1.23	9.9	.33	.44	563217
7	21208	-1.8788A	.0196	.94	-5.1	.84	-7.6	.40	.35	563218
8	21208	-1.5096A	.0180	1.02	2.0	1.00	.3	.36	.38	563222
9	21208	-.3778A	.0155	1.27	9.9	1.40	9.9	.20	.43	563224
10	21208	-1.5811A	.0183	.88	-9.9	.76	-9.9	.48	.37	563227
11	21208	-.8616A	.0162	1.04	5.6	1.05	4.2	.38	.42	563229
12	21208	-1.4132A	.0177	.94	-7.2	.85	-9.5	.45	.39	563231
13	21208	-1.5304A	.0181	.96	-3.8	.88	-7.1	.41	.38	563236
14	21208	-.5359A	.0157	1.07	9.9	1.10	9.1	.37	.43	563237
15	21208	-.7899A	.0161	1.22	9.9	1.36	9.9	.23	.42	563238
16	21208	-1.4790A	.0179	1.00	.3	.97	-1.7	.38	.38	563245
17	21208	.2931A	.0154	.96	-6.5	1.00	-.5	.46	.44	563249
18	21208	-1.9483A	.0200	1.00	-.3	1.06	2.6	.34	.35	563257
19	21208	.1531A	.0153	1.05	7.7	1.08	8.7	.40	.44	563258
20	21208	-1.4584A	.0178	.97	-3.1	.90	-5.8	.41	.38	563283
21	21208	-1.4091A	.0177	.89	-9.9	.76	-9.9	.49	.39	563293
22	21208	-1.7562A	.0190	.96	-3.6	.89	-5.7	.40	.36	563297
23	21208	-1.3791A	.0176	.99	-1.2	.91	-5.5	.41	.39	563299
24	21208	-1.3881A	.0176	.92	-9.1	.86	-8.9	.46	.39	563359
25	21208	-1.1306A	.0168	.92	-9.9	.88	-9.1	.47	.40	563360
26	21208	-1.1604A	.0169	1.07	8.2	1.08	5.7	.35	.40	563361
27	21208	-1.8979A	.0197	.98	-1.4	.97	-1.4	.36	.35	563362
28	21208	-.9852A	.0165	1.13	9.9	1.24	9.9	.29	.41	563370
29	21208	-.0553A	.0153	1.03	5.6	1.05	6.0	.41	.44	563374
30	21208	-1.1353A	.0168	1.03	3.5	.96	-2.8	.39	.40	563377
31	21208	-.2146A	.0154	1.03	5.3	1.04	4.2	.41	.44	563382
32	21208	-1.4485A	.0178	.91	-9.9	.83	-9.9	.46	.38	563383
33	21208	-1.4202A	.0177	.89	-9.9	.78	-9.9	.48	.39	563384
34	21208	-2.4085A	.0227	.89	-7.6	.67	-9.9	.41	.31	563388
35	21208	-1.0862A	.0167	1.04	5.0	1.01	.8	.38	.41	563392
36	21208	-.4139A	.0155	.96	-6.0	.94	-6.6	.47	.43	563417
37	21208	-1.7227A	.0189	1.14	9.9	1.43	9.9	.22	.36	563418
38	21208	-1.3966A	.0176	.93	-8.0	.81	-9.9	.46	.39	563424
39	21208	-1.4072A	.0177	.99	-1.0	.95	-3.2	.40	.39	563432
40	21208	.2067A	.0154	1.16	9.9	1.23	9.9	.30	.44	565123
41	21208	-2.1399A	.0210	.85	-9.9	.65	-9.9	.46	.33	565126
42	21208	-2.4716A	.0232	.91	-6.2	.73	-9.9	.38	.30	565130
43	21208	-.3921A	.0155	.97	-5.6	.94	-6.6	.46	.43	565141
44	21208	-1.9510A	.0200	.91	-8.0	.75	-9.9	.43	.35	565174
45	21208	-1.7877A	.0192	.92	-7.7	.82	-9.4	.43	.36	565176
46	3476	-1.0925	.0417	1.18	8.2	1.25	6.9	.24	.40	602360
47	3476	-.7718	.0398	1.00	.2	1.00	.0	.41	.41	602361
48	3476	-1.4824	.0449	1.12	4.8	1.27	5.8	.26	.38	602363
49	3476	2.4901	.0561	1.26	6.3	2.91	9.9	-.07	.29	602366
50	3476	-.6380	.0391	.98	-.9	1.00	.0	.43	.42	602367
51	3476	-.9136	.0405	1.01	.6	1.02	.7	.40	.41	602369
52	3476	-.2648	.0380	1.05	3.6	1.06	2.7	.38	.42	602370
53	3476	-2.1006	.0525	.90	-3.0	.79	-3.6	.42	.33	602373

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Reading
54	3476	.1286	.0376	1.12	8.0	1.19	8.4	.32	.42	602375
55	3476	-2.2176	.0543	.88	-3.4	.64	-6.2	.44	.32	602376
56	3422	-.7293	.0402	1.00	.0	.98	-.7	.43	.43	602377
57	3422	-.6525	.0398	1.18	9.8	1.26	8.5	.29	.43	602378
58	3422	-2.2422	.0548	.93	-2.1	.74	-4.0	.39	.32	602379
59	3422	-.5816	.0396	.92	-4.6	.86	-5.5	.50	.43	602380
60	3422	-1.4599	.0451	.91	-3.9	.81	-4.5	.46	.38	602381
61	3422	-1.6133	.0466	.88	-5.0	.80	-4.3	.47	.37	602382
62	3422	-.4302	.0391	1.13	7.9	1.17	6.3	.33	.44	602384
63	3422	-1.6973	.0475	.94	-2.4	1.00	-.1	.40	.36	602385
64	3422	-2.6161	.0617	.95	-1.2	.81	-2.3	.33	.28	602387
65	3422	-2.4401	.0583	.87	-3.5	.61	-5.9	.42	.30	602389
66	3450	-.8196	.0399	1.17	9.1	1.28	9.0	.25	.40	602393
67	3450	.0786	.0377	1.09	6.4	1.13	6.2	.34	.43	602395
68	3450	-1.2383	.0426	1.09	4.0	1.30	7.2	.29	.38	602396
69	3450	-.7706	.0397	1.21	9.9	1.35	9.9	.21	.41	602397
70	3450	1.1285	.0410	1.13	6.4	1.35	9.8	.26	.40	602398
71	3450	-1.9994	.0507	.98	-.7	.86	-2.5	.36	.32	602399
72	3450	.1327	.0377	1.07	4.8	1.08	3.9	.37	.43	602400
73	3450	.4254	.0381	1.09	6.0	1.16	6.8	.34	.42	602401
74	3450	.9613	.0400	.99	-.5	1.04	1.4	.41	.41	602407
75	3450	.6133	.0386	1.06	3.9	1.17	6.9	.35	.42	602408
76	7370	-1.6372	.0307	1.08	4.7	1.17	5.2	.31	.38	602429
77	7370	-2.6536	.0402	.85	-5.9	.53	-9.9	.45	.30	602430
78	7370	-.7821	.0269	.96	-3.6	.93	-4.0	.46	.43	602432
79	7370	-.5969	.0265	1.25	9.9	1.38	9.9	.22	.43	602434
80	7370	-1.0191	.0276	1.07	5.5	1.11	5.2	.36	.42	602435
81	7370	-.0254	.0260	1.03	3.2	1.08	5.0	.41	.44	602436
82	7370	-.7166	.0268	1.16	9.9	1.21	9.9	.30	.43	602437
83	7370	-1.7848	.0317	.88	-7.3	.73	-8.9	.48	.37	602440
84	7370	-.1371	.0260	1.02	2.3	1.04	2.4	.42	.44	602442
85	7370	-1.5366	.0301	.94	-3.8	.89	-3.9	.44	.39	602443
86	3490	-.7278	.0396	1.09	5.1	1.13	4.3	.35	.42	602446
87	3490	-.4857	.0387	.99	-.3	.97	-1.3	.44	.43	602447
88	3490	-.2142	.0381	1.03	2.0	1.04	1.6	.42	.44	602449
89	3490	-1.6363	.0461	.86	-5.7	.69	-7.1	.49	.36	602450
90	3490	-1.7884	.0478	.89	-4.3	.75	-5.0	.45	.35	602452
91	3490	-.7990	.0399	1.05	2.8	1.04	1.2	.38	.42	602455
92	3490	-1.1603	.0420	.97	-1.3	.93	-1.9	.42	.40	602456
93	3490	-1.5733	.0455	1.02	.8	1.06	1.3	.35	.37	602457
94	3490	-.1736	.0381	1.01	.9	1.02	1.1	.43	.44	602460
95	3490	-1.9255	.0495	.91	-3.2	.73	-5.0	.43	.34	602461
MEAN	12278	-1.0675	.0301	1.01	.1	1.00	-.5			
S.D.	8547.1	.9387	.0131	.10	6.2	.28	6.8			

Grade 5

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Reading
1	20761	-1.4952A	.0181	.94	-6.6	.90	-5.8	.42	.37	563480
2	20761	-2.4047A	.0230	.90	-6.8	.75	-9.3	.38	.30	563484
3	20761	-2.9170A	.0274	.90	-4.9	.74	-7.5	.32	.25	563492
4	20761	-1.1427A	.0170	1.04	5.3	1.09	6.0	.35	.39	563501
5	20761	-.5270A	.0157	1.01	.8	1.00	-.1	.42	.42	563503
6	20761	-2.7731A	.0261	.92	-4.1	.74	-8.0	.32	.26	563505
7	20761	-1.7655A	.0193	.97	-2.6	1.01	.3	.36	.35	563512
8	20761	-1.8466A	.0197	.83	-9.9	.64	-9.9	.50	.34	563514
9	20761	-.0116A	.0154	1.08	9.9	1.13	9.9	.35	.43	563516
10	20761	-1.2952A	.0174	.97	-3.6	.91	-6.3	.41	.38	563518
11	20761	-.1794A	.0154	1.01	1.0	1.00	.1	.42	.43	563519
12	20761	-.5274A	.0157	.96	-6.6	.94	-5.7	.46	.42	563525
13	20761	.1627A	.0154	1.04	7.3	1.09	9.9	.38	.43	563528
14	20761	-.3253A	.0155	.94	-9.9	.92	-8.7	.47	.42	563529
15	20761	-.6121A	.0158	.98	-3.8	.94	-5.6	.44	.42	563553
16	20761	.8529A	.0162	1.20	9.9	1.40	9.9	.21	.41	563556
17	20761	-1.3880A	.0177	1.02	2.5	1.07	4.0	.35	.38	563558
18	20761	-.9624A	.0165	1.04	5.4	1.06	4.4	.37	.40	563563
19	20761	-1.5347A	.0183	.84	-9.9	.72	-9.9	.51	.37	563566
20	20761	-2.2129A	.0217	.86	-9.9	.68	-9.9	.43	.31	563567
21	20761	-1.5427A	.0183	.97	-3.3	.95	-3.1	.39	.37	563568
22	20761	-1.5468A	.0183	1.09	9.0	1.25	9.9	.27	.37	563569
23	20761	-.6390A	.0159	1.08	9.9	1.10	8.8	.35	.41	563571
24	20761	-.8477A	.0163	1.01	1.9	.98	-1.4	.40	.41	563573
25	20761	-.2958A	.0155	1.04	6.5	1.04	4.4	.39	.42	563574
26	20761	.5940A	.0158	1.00	-.1	1.07	7.2	.40	.42	563575
27	20761	-.9658A	.0165	.94	-7.5	.89	-9.3	.45	.40	563577
28	20761	-2.3225A	.0225	.92	-5.7	.82	-6.9	.37	.30	563632
29	20761	-.4967A	.0157	1.04	6.6	1.05	4.7	.38	.42	563636
30	20761	-1.7301A	.0191	.91	-8.8	.81	-9.9	.43	.35	563641
31	20761	-.3817A	.0156	1.07	9.9	1.11	9.9	.36	.42	563647
32	20761	-1.3572A	.0176	1.23	9.9	1.54	9.9	.15	.38	563650
33	20761	-1.1064A	.0169	.84	-9.9	.72	-9.9	.54	.39	563654
34	20761	-2.3006A	.0223	.86	-9.9	.65	-9.9	.43	.30	563658
35	20761	-2.8219A	.0265	.90	-5.4	.69	-9.8	.34	.26	565199
36	20761	-1.9243A	.0201	.86	-9.9	.66	-9.9	.47	.34	565201
37	20761	-3.2791A	.0315	.87	-5.3	.53	-9.9	.33	.22	565202
38	20761	-1.0651A	.0168	1.00	-.6	1.02	1.6	.40	.40	565226
39	20761	-2.2137A	.0217	1.01	.6	1.12	4.3	.28	.31	565236
40	20761	-.7563A	.0161	.99	-2.2	.98	-2.1	.42	.41	565246
41	20761	-1.4669A	.0180	1.03	3.5	1.00	.3	.35	.37	565258
42	20761	-1.4776A	.0181	1.04	4.0	1.09	5.4	.33	.37	565313
43	20761	-1.0017A	.0166	1.09	9.9	1.12	8.7	.32	.40	565315
44	20761	.0062A	.0154	1.04	7.7	1.07	7.6	.39	.43	565341
45	20761	-1.1688A	.0170	.88	-9.9	.78	-9.9	.50	.39	565343
46	20761	-2.6569A	.0250	1.07	3.7	1.61	9.9	.14	.27	565347
47	20761	-.4330A	.0156	1.11	9.9	1.16	9.9	.32	.42	565359
48	20761	-.4144A	.0156	1.09	9.9	1.10	9.9	.35	.42	565876
49	3402	.0710	.0378	1.11	7.8	1.15	7.2	.31	.42	602462
50	3402	-2.6245	.0620	.91	-2.0	.68	-4.4	.36	.26	602463
51	3402	.6634	.0389	1.03	2.0	1.09	3.5	.37	.41	602464
52	3402	.0967	.0378	1.01	.6	1.03	1.6	.40	.42	602465
53	3402	-1.0291	.0411	.97	-1.8	.93	-2.3	.42	.38	602466

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Reading
54	3402	.3977	.0382	1.04	2.8	1.10	4.5	.37	.41	602467
55	3402	-.3371	.0382	1.01	.6	1.03	1.2	.40	.41	602468
56	3402	-1.0426	.0412	.98	-.9	.96	-1.2	.40	.38	602469
57	3402	-.8229	.0399	1.03	1.9	1.04	1.5	.36	.39	602470
58	3402	-1.3250	.0433	.96	-1.7	.95	-1.3	.40	.36	602473
59	7147	-.5475	.0270	1.00	.3	.97	-1.8	.44	.44	602474
60	7147	-1.1151	.0287	.93	-5.4	.87	-5.8	.48	.42	602475
61	7147	-1.4157	.0301	.86	-9.4	.71	-9.9	.52	.40	602476
62	7147	.1974	.0267	1.05	5.0	1.17	9.9	.39	.45	602477
63	7147	-.7443	.0274	.91	-7.7	.86	-7.7	.51	.43	602478
64	7147	-.6097	.0271	1.12	9.9	1.15	7.8	.34	.44	602479
65	7147	-2.5563	.0400	.88	-4.4	.69	-6.4	.41	.31	602480
66	7147	-1.1882	.0290	.84	-9.9	.74	-9.9	.55	.41	602481
67	7147	-2.3452	.0375	.89	-4.5	.70	-6.8	.42	.33	602482
68	7147	-1.1259	.0287	.90	-7.8	.80	-8.9	.50	.42	602483
69	3350	.2613	.0380	1.02	1.8	1.03	1.8	.38	.40	602484
70	3350	-.0729	.0379	1.07	5.0	1.11	5.4	.33	.41	602485
71	3350	-.0542	.0379	1.20	9.9	1.26	9.9	.21	.41	602486
72	3350	.4237	.0382	1.31	9.9	1.45	9.9	.09	.40	602487
73	3350	-1.1094	.0420	.94	-3.1	.90	-3.1	.44	.38	602488
74	3350	-.5212	.0389	.97	-2.1	.95	-2.4	.43	.40	602489
75	3350	-1.6709	.0472	.92	-3.0	.95	-1.1	.41	.34	602490
76	3350	-1.0587	.0416	.98	-.9	.96	-1.4	.40	.38	602491
77	3350	-.7896	.0400	.93	-4.0	.91	-3.6	.46	.39	602492
78	3350	-.3177	.0383	.98	-1.1	.98	-.8	.42	.40	602493
79	3437	-3.1657	.0757	.99	-.1	.96	-.3	.22	.21	602494
80	3437	-.2655	.0378	1.08	5.7	1.12	5.6	.33	.41	602495
81	3437	-1.4266	.0440	.91	-4.2	.78	-6.0	.46	.36	602496
82	3437	-1.7971	.0481	.91	-3.3	.78	-4.9	.43	.33	602497
83	3437	.6388	.0385	1.00	.0	1.03	1.3	.40	.40	602498
84	3437	.6300	.0385	1.20	9.9	1.29	9.9	.21	.40	602499
85	3437	-.7981	.0396	1.01	.4	1.00	.1	.39	.39	602500
86	3437	.1522	.0375	1.05	3.7	1.09	4.4	.36	.41	602501
87	3437	1.0055	.0401	1.06	3.6	1.29	9.3	.30	.39	602502
88	3437	1.2500	.0418	1.28	9.9	1.64	9.9	.07	.37	602503
89	3425	-2.8777	.0683	.88	-2.4	.55	-5.8	.37	.24	602504
90	3425	-1.9042	.0500	.90	-3.5	.76	-4.7	.43	.33	602506
91	3425	-1.5275	.0456	.97	-1.3	.92	-1.9	.39	.36	602507
92	3425	-1.1036	.0419	.98	-1.1	.90	-2.9	.41	.38	602509
93	3425	.1752	.0379	1.15	9.9	1.22	9.8	.29	.42	602510
94	3425	-1.6646	.0470	.95	-2.0	.84	-3.4	.40	.35	602511
95	3425	-2.2514	.0553	.90	-2.8	.84	-2.5	.38	.30	602512
96	3425	-.7082	.0396	.97	-1.9	.93	-2.6	.44	.40	602513
97	3425	-2.4188	.0583	1.03	.7	1.18	2.2	.24	.28	602514
98	3425	-1.8187	.0489	.92	-2.7	.82	-3.6	.41	.33	602515
MEAN	12287	-1.0276	.0300	.99	-.1	.98	-.2			
S.D.	8371.3	1.0098	.0135	.10	6.1	.21	6.7			

Grade 6

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Reading
1	20504	-3.2428A	.0310	.85	-6.3	.58	-9.9	.36	.25	563718
2	20504	-1.9731A	.0205	1.01	.7	1.16	6.7	.32	.35	563719
3	20504	-1.3546A	.0178	1.00	-.5	.99	-.6	.40	.40	563720
4	20504	-2.9569A	.0279	.86	-6.8	.63	-9.9	.38	.27	563722
5	20504	-.6108A	.0160	1.28	9.9	1.38	9.9	.19	.43	563723
6	20504	-2.7076A	.0256	.85	-8.7	.61	-9.9	.42	.29	563725
7	20504	-.9316A	.0166	1.22	9.9	1.31	9.9	.23	.42	563726
8	20504	-1.6570A	.0190	.95	-4.3	.95	-2.8	.41	.38	563727
9	20504	-1.3161A	.0177	.88	-9.9	.80	-9.9	.50	.40	563732
10	20504	.3757A	.0156	1.22	9.9	1.34	9.9	.22	.42	563740
11	20504	-1.5344A	.0185	.93	-7.5	.84	-9.7	.45	.38	563804
12	20504	-1.5667A	.0186	.91	-8.8	.80	-9.9	.46	.38	563809
13	20504	-1.1755A	.0173	1.10	9.9	1.15	9.9	.32	.41	563812
14	20504	-1.7914A	.0196	.87	-9.9	.72	-9.9	.48	.37	563815
15	20504	-1.4586A	.0182	.97	-3.4	.94	-3.3	.42	.39	563818
16	20504	-.8313A	.0164	1.06	8.1	1.06	4.6	.37	.42	563821
17	20504	-.6942A	.0162	1.02	3.4	1.00	.2	.41	.42	563827
18	20504	-.9023A	.0166	1.07	8.6	1.06	4.9	.37	.42	563828
19	20504	-3.2108A	.0306	.89	-4.6	.61	-9.9	.34	.25	563831
20	20504	-1.5654A	.0186	.94	-6.1	.96	-2.5	.43	.38	563832
21	20504	-1.7463A	.0194	.88	-9.9	.74	-9.9	.47	.37	563834
22	20504	-1.5244A	.0185	1.10	9.9	1.16	8.3	.29	.39	563838
23	20504	-1.6860A	.0191	.89	-9.9	.75	-9.9	.47	.37	563841
24	20504	-.6356A	.0161	1.08	9.9	1.12	9.9	.36	.43	563852
25	20504	-1.5700A	.0186	1.03	3.3	1.08	4.4	.35	.38	563855
26	20504	-1.0678A	.0170	1.01	1.7	.98	-1.6	.41	.41	563857
27	20504	-2.0884A	.0212	.88	-9.4	.76	-9.9	.44	.34	563859
28	20504	.4737A	.0157	.98	-4.1	1.03	2.6	.43	.42	563866
29	20504	-.3038A	.0157	1.10	9.9	1.13	9.9	.35	.43	563868
30	20504	-.0790A	.0156	1.04	6.6	1.07	7.4	.40	.43	563869
31	20504	-.6402A	.0161	1.01	1.5	.99	-1.1	.42	.43	563874
32	20504	-.8196A	.0164	.99	-1.9	.94	-5.1	.44	.42	563878
33	20504	-.8092A	.0164	.92	-9.9	.85	-9.9	.50	.42	563879
34	20504	-.2866A	.0157	.99	-2.3	.98	-2.2	.44	.43	565817
35	20504	-1.5862A	.0187	.85	-9.9	.69	-9.9	.52	.38	565820
36	20504	-1.1725A	.0173	1.01	1.2	.99	-.7	.40	.41	565822
37	20504	-1.6150A	.0188	.89	-9.9	.74	-9.9	.48	.38	565825
38	20504	-1.4321A	.0181	1.00	-.2	.95	-2.7	.40	.39	565832
39	20504	-.9411A	.0167	.98	-2.4	.95	-3.7	.44	.42	565851
40	20504	-2.1617A	.0216	.88	-9.5	.70	-9.9	.45	.34	565854
41	20504	-1.2556A	.0175	1.03	3.5	1.02	1.5	.38	.40	565857
42	20504	-1.0761A	.0170	1.04	4.8	1.03	2.1	.38	.41	565858
43	20504	-1.3308A	.0178	1.04	3.9	1.04	2.6	.37	.40	565860
44	20504	-1.1540A	.0172	.97	-3.6	.92	-5.8	.44	.41	565897
45	20504	-2.0337A	.0209	.98	-1.8	.92	-3.5	.37	.35	565898
46	20504	-2.0000A	.0207	.84	-9.9	.63	-9.9	.50	.35	565899
47	20504	-.4213A	.0158	1.13	9.9	1.17	9.9	.32	.43	565900
48	20504	-.5786A	.0160	.99	-1.9	.97	-2.9	.44	.43	565903
49	6773	-1.3509	.0308	.89	-7.2	.79	-8.2	.51	.42	602516
50	6773	.1629	.0273	1.03	2.6	1.07	4.0	.41	.44	602517
51	6773	-2.3947	.0394	1.00	.2	1.08	1.5	.34	.35	602518
52	6773	-1.7010	.0330	.87	-7.3	.73	-8.7	.51	.40	602519
53	6773	-1.8671	.0343	.87	-6.7	.70	-8.9	.50	.39	602521

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Reading
54	6773	-1.2897	.0305	.96	-2.9	.93	-2.6	.46	.42	602523
55	6773	1.9403	.0352	1.26	9.9	2.68	9.9	.03	.34	602524
56	6773	.0816	.0273	1.12	9.9	1.19	9.9	.34	.45	602525
57	6773	-1.3671	.0309	.85	-9.9	.71	-9.9	.55	.42	602527
58	6773	-.8928	.0288	.91	-7.3	.84	-7.9	.52	.44	602528
59	3449	-2.4551	.0578	.87	-3.4	.77	-3.3	.41	.30	602529
60	3449	-2.5766	.0601	.97	-.7	.94	-.8	.31	.29	602531
61	3449	-.4003	.0383	1.07	4.8	1.10	4.3	.36	.42	602532
62	3449	-1.2887	.0430	.82	-8.6	.68	-9.7	.56	.39	602533
63	3449	.3175	.0379	1.08	5.3	1.13	5.6	.35	.42	602534
64	3449	-1.2033	.0423	.91	-4.5	.81	-5.6	.48	.40	602535
65	3449	-2.3706	.0563	.89	-3.0	.64	-5.9	.43	.31	602536
66	3449	.7863	.0392	1.07	4.0	1.23	8.0	.33	.41	602537
67	3449	-2.3361	.0557	.92	-2.2	.80	-3.1	.39	.31	602539
68	3449	.6798	.0388	1.39	9.9	1.67	9.9	.04	.41	602540
69	3417	-3.7625	.0974	.88	-1.5	.38	-5.8	.33	.19	602542
70	3417	-1.2190	.0430	.88	-5.6	.77	-6.7	.50	.38	602543
71	3417	1.3337	.0423	1.05	2.3	1.32	7.9	.31	.38	602545
72	3417	-.5000	.0389	1.02	1.3	1.01	.4	.40	.41	602546
73	3417	-1.4652	.0452	1.01	.6	.99	-.3	.36	.37	602548
74	3417	-.6332	.0394	1.05	2.8	1.06	2.2	.37	.41	602549
75	3417	-1.4308	.0448	.95	-2.1	.91	-2.3	.42	.37	602550
76	3417	-.3862	.0385	1.23	9.9	1.35	9.9	.21	.42	602551
77	3417	-.9851	.0413	.95	-2.8	.88	-3.7	.45	.40	602552
78	3417	-.8943	.0407	1.06	3.4	1.09	3.0	.34	.40	602553
79	3433	-2.1052	.0523	.88	-3.8	.68	-6.3	.46	.32	602554
80	3433	.3030	.0376	1.39	9.9	1.57	9.9	.01	.40	602555
81	3433	-3.9228	.1027	.96	-.5	.61	-3.1	.24	.17	602556
82	3433	.1526	.0374	1.13	9.2	1.19	9.6	.28	.40	602557
83	3433	-.1292	.0375	1.17	9.9	1.22	9.9	.24	.41	602558
84	3433	.4491	.0378	1.06	4.3	1.12	5.3	.33	.40	602559
85	3433	-3.6515	.0915	.95	-.6	.72	-2.4	.25	.19	602560
86	3433	.6461	.0383	1.13	8.3	1.20	7.9	.26	.39	602561
87	3432	-.5120	.0390	1.05	3.2	1.08	3.3	.39	.43	602562
88	3432	-.2784	.0384	1.10	6.4	1.13	5.3	.35	.44	602563
89	3432	-.6914	.0397	1.07	4.0	1.08	2.9	.37	.43	602564
90	3432	-1.9923	.0507	.86	-4.8	.67	-6.3	.47	.34	602565
91	3432	-1.7514	.0477	.98	-.6	.94	-1.2	.38	.36	602566
92	3432	-.3451	.0386	1.04	2.8	1.04	1.7	.40	.44	602568
93	3432	-.2534	.0384	.99	-.7	.97	-1.1	.45	.44	602569
94	3432	-1.3070	.0434	.92	-3.7	.81	-5.1	.47	.39	602570
95	3432	-1.4964	.0450	.91	-4.0	.78	-5.2	.47	.38	602571
96	3432	.5036	.0386	1.04	2.3	1.14	5.6	.39	.43	602573
97	3433	-2.8982	.0680	.90	-2.0	.62	-5.0	.37	.26	604780
98	3433	-1.7645	.0477	1.01	.4	1.03	.6	.34	.35	604782
MEAN	12135	-1.1547	.0319	1.00	-.2	.97	-.7			
S.D.	8255.2	1.0748	.0173	.12	6.3	.28	6.8			

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Grade 7

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Reading
1	20401	-.3855A	.0156	1.05	7.3	1.04	4.0	.38	.42	563893
2	20401	-1.2280A	.0173	.90	-9.9	.83	-9.9	.47	.38	563896
3	20401	.1343A	.0155	1.01	1.2	1.04	5.4	.40	.42	563897
4	20401	-1.7479A	.0193	.93	-6.5	.84	-8.4	.41	.35	563900
5	20401	-1.5025A	.0183	.95	-5.2	.88	-7.1	.41	.36	563904
6	20401	-2.0426A	.0209	.88	-9.9	.70	-9.9	.44	.32	563907
7	20401	-.5144A	.0158	1.07	9.9	1.07	6.9	.35	.41	563909
8	20401	.6429A	.0159	1.10	9.9	1.23	9.9	.29	.40	563912
9	20401	-1.8387A	.0198	.91	-7.5	.84	-8.3	.41	.34	563916
10	20401	-1.7551A	.0194	.99	-.7	.95	-2.8	.35	.35	563921
11	20401	-1.2819A	.0175	.97	-3.1	.96	-3.0	.40	.38	563953
12	20401	-.0594A	.0155	.97	-4.8	.98	-2.8	.44	.42	563954
13	20401	-.7529A	.0162	1.04	5.2	1.03	2.7	.38	.41	563957
14	20401	-.4078A	.0157	.92	-9.9	.88	-9.9	.49	.42	563959
15	20401	-1.9833A	.0205	.95	-4.4	.90	-4.7	.37	.33	563960
16	20401	-.9550A	.0166	.99	-1.5	.94	-4.9	.41	.40	563964
17	20401	-1.8992A	.0201	.94	-4.9	.92	-4.0	.38	.33	563970
18	20401	-.8521A	.0163	.97	-3.7	.97	-2.4	.42	.40	563973
19	20401	-.2766A	.0156	.94	-9.9	.92	-9.4	.47	.42	563977
20	20401	-2.1766A	.0217	.85	-9.9	.64	-9.9	.45	.31	563978
21	20401	-.5688A	.0159	1.15	9.9	1.22	9.9	.27	.41	563981
22	20401	-1.1361A	.0170	.89	-9.9	.79	-9.9	.50	.39	563999
23	20401	.0954A	.0154	1.08	9.9	1.12	9.9	.34	.42	564001
24	20401	-.8206A	.0163	1.05	7.6	1.07	5.9	.35	.40	564002
25	20401	-.2094A	.0155	1.06	9.4	1.06	7.7	.37	.42	564009
26	20401	.0329A	.0154	1.20	9.9	1.27	9.9	.23	.42	564012
27	20401	-.9490A	.0166	.88	-9.9	.79	-9.9	.52	.40	564014
28	20401	-.4987A	.0158	.90	-9.9	.86	-9.9	.51	.41	564015
29	20401	-.1817A	.0155	1.31	9.9	1.42	9.9	.13	.42	564017
30	20401	-.4112A	.0157	1.08	9.9	1.10	9.9	.34	.41	564023
31	20401	-1.3364A	.0177	.89	-9.9	.81	-9.9	.48	.38	564024
32	20401	-.3949A	.0157	.99	-2.3	.98	-2.7	.43	.42	564025
33	20401	-1.2381A	.0173	1.07	7.6	1.07	4.8	.32	.38	564031
34	20401	-1.3765A	.0178	.87	-9.9	.76	-9.9	.50	.37	564033
35	20401	-1.2090A	.0173	.90	-9.9	.81	-9.9	.48	.38	564034
36	20401	-.7086A	.0161	1.07	9.6	1.13	9.9	.34	.41	564035
37	20401	-1.3971A	.0179	.88	-9.9	.75	-9.9	.49	.37	564036
38	20401	-2.9567A	.0282	.90	-4.7	.69	-9.3	.32	.24	564038
39	20401	-1.1180A	.0170	.90	-9.9	.80	-9.9	.49	.39	564040
40	20401	-2.1214A	.0214	.91	-7.1	.79	-9.3	.39	.32	565438
41	20401	-2.7398A	.0261	.87	-7.3	.60	-9.9	.38	.26	565439
42	20401	-1.6096A	.0187	1.01	.6	.97	-1.8	.35	.36	565517
43	20401	-.8477A	.0163	1.04	5.4	1.08	6.9	.36	.40	565519
44	20401	-.5160A	.0158	1.20	9.9	1.33	9.9	.22	.41	565528
45	20401	-.1865A	.0155	1.01	1.3	1.01	1.0	.41	.42	565547
46	20401	-1.2806A	.0175	1.04	4.6	1.11	7.4	.33	.38	565665
47	20401	-.4214A	.0157	1.17	9.9	1.24	9.9	.26	.41	565667
48	20401	-3.1678A	.0306	.91	-3.8	.76	-6.1	.29	.23	565671
49	3451	-.5013	.0383	.98	-1.1	.95	-2.3	.43	.41	602574
50	3451	.0612	.0375	1.03	2.3	1.03	1.5	.39	.41	602575
51	3451	1.1509	.0411	1.11	5.7	1.42	9.9	.24	.38	602577
52	3451	-1.5717	.0452	.92	-3.5	.80	-4.9	.45	.35	602578
53	3451	-1.9452	.0497	1.03	.9	1.27	4.7	.27	.33	602580

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Reading
54	3451	1.1391	.0410	1.10	5.3	1.27	7.9	.26	.38	602581
55	3451	-2.1962	.0534	.86	-4.2	.70	-5.3	.44	.30	602582
56	3451	.7377	.0389	1.09	5.5	1.16	5.9	.31	.40	602583
57	3451	-2.0027	.0505	.86	-4.8	.71	-5.7	.46	.32	602585
58	3496	-.4763	.0379	.92	-5.4	.89	-5.4	.49	.41	602587
59	3496	-.1960	.0373	1.13	8.7	1.15	7.9	.29	.41	602588
60	3496	-.9676	.0400	.95	-2.8	.91	-3.3	.44	.39	602589
61	3496	-1.6036	.0450	.93	-2.8	.85	-3.8	.42	.35	602590
62	3496	.3426	.0374	1.09	6.4	1.14	6.8	.31	.41	602591
63	3496	-.1211	.0372	1.03	2.4	1.04	1.9	.38	.41	602592
64	3496	-.4806	.0379	1.04	2.6	1.05	2.4	.37	.41	602593
65	3496	.4851	.0377	1.31	9.9	1.47	9.9	.09	.40	602595
66	3496	-1.2232	.0416	.88	-6.3	.76	-7.9	.51	.38	602597
67	3496	.9812	.0398	1.12	6.9	1.28	9.0	.24	.38	602598
68	3418	.4038	.0379	1.11	7.4	1.17	8.1	.29	.40	602601
69	3418	-.2796	.0378	.91	-6.4	.88	-6.2	.49	.40	602603
70	3418	-.5542	.0385	.96	-2.9	.92	-3.8	.44	.40	602605
71	3418	-.0868	.0376	1.07	5.2	1.10	5.4	.33	.41	602606
72	3418	.0821	.0375	1.02	1.6	1.03	1.6	.39	.41	602607
73	3418	-.7818	.0395	.96	-2.1	.96	-1.4	.42	.39	602608
74	3418	-1.2643	.0426	.97	-1.6	.98	-.5	.39	.36	602609
75	3418	1.6654	.0456	1.11	4.1	1.40	8.4	.21	.34	602610
76	3418	-.7246	.0392	.89	-6.9	.83	-7.1	.50	.39	602612
77	3418	.4024	.0379	.96	-2.6	.97	-1.4	.44	.40	602613
78	3509	-2.3802	.0560	.94	-1.5	.80	-3.2	.35	.29	602614
79	3509	.8785	.0391	1.31	9.9	1.60	9.9	.06	.39	602615
80	3509	-.8583	.0394	1.11	6.1	1.18	6.3	.28	.39	602616
81	3509	-.0079	.0371	.98	-1.6	.99	-.6	.43	.41	602617
82	3509	-1.4272	.0434	.89	-5.0	.78	-6.1	.48	.36	602618
83	3509	-.6645	.0385	.84	-9.9	.79	-9.6	.56	.40	602619
84	3509	-.9974	.0402	.94	-3.3	.89	-3.8	.45	.39	602620
85	3509	.4973	.0377	1.18	9.9	1.25	9.9	.22	.40	602621
86	3509	-1.9002	.0486	.87	-4.8	.72	-6.2	.46	.33	602622
87	3509	-1.4423	.0435	.95	-2.3	.92	-2.0	.41	.36	602623
88	6527	-1.1168	.0301	.93	-5.1	.84	-7.1	.48	.41	602624
89	6527	-.8506	.0290	1.07	5.0	1.07	3.3	.37	.42	602625
90	6527	.3828	.0278	.91	-8.5	.90	-6.1	.50	.43	602626
91	6527	-.4383	.0280	1.01	1.0	1.01	.5	.42	.43	602630
92	6527	-1.8491	.0349	.81	-9.8	.61	-9.9	.53	.36	602631
93	6527	-1.3988	.0316	.80	-9.9	.68	-9.9	.56	.39	602632
94	6527	.2774	.0277	.95	-4.4	1.00	.0	.46	.43	602633
95	6527	-.7465	.0287	1.02	1.6	1.04	1.8	.41	.42	602634
96	6527	-1.3464	.0313	.93	-4.8	.82	-6.8	.47	.39	602635
97	6527	-1.0754	.0299	1.05	3.7	1.08	3.4	.36	.41	602636
98	3451	-.5426	.0384	1.04	2.9	1.07	2.9	.37	.41	602640
MEAN	12074	-.7825	.0285	.99	-.6	.98	-.8			
S.D.	8205.4	.9305	.0116	.11	6.7	.20	7.0			

Grade 8

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Reading
1	20425	-.8331A	.0163	1.11	9.9	1.17	9.9	.30	.40	564086
2	20425	-.3408A	.0156	1.03	5.7	1.04	4.9	.38	.41	564090
3	20425	-2.9077A	.0277	.85	-7.6	.62	-9.9	.39	.25	564091
4	20425	-1.6597A	.0190	1.00	-.3	1.01	.5	.35	.35	564098
5	20425	-1.4548A	.0181	1.16	9.9	1.29	9.9	.21	.37	564100
6	20425	-2.9785A	.0285	.91	-4.0	.74	-7.6	.31	.25	564106
7	20425	-1.1017A	.0170	1.03	4.0	.99	-.5	.37	.39	564115
8	20425	-1.6768A	.0190	.91	-8.1	.82	-9.9	.43	.35	564116
9	20425	-2.5972A	.0248	.90	-5.8	.70	-9.9	.37	.28	564118
10	20425	-.3453A	.0156	1.13	9.9	1.19	9.9	.29	.41	564127
11	20425	-1.7609A	.0194	.89	-9.9	.76	-9.9	.45	.35	564129
12	20425	-1.4246A	.0180	.97	-3.6	.99	-.7	.39	.37	564131
13	20425	-.4305A	.0157	.98	-2.5	.98	-2.5	.43	.41	564133
14	20425	-.5062A	.0158	.94	-9.9	.90	-9.9	.47	.41	564136
15	20425	-2.0983A	.0213	.95	-3.8	.90	-4.5	.36	.32	564137
16	20425	-1.2056A	.0173	1.01	1.5	1.00	-.3	.37	.38	564138
17	20425	-1.1083A	.0170	1.01	.9	1.01	.7	.38	.39	564139
18	20425	-1.7893A	.0196	1.04	3.6	1.18	8.3	.28	.34	564226
19	20425	.1606A	.0154	.97	-6.0	.97	-3.3	.44	.41	564228
20	20425	-.9222A	.0165	.93	-9.9	.87	-9.9	.47	.40	564229
21	20425	-.8996A	.0164	.97	-4.3	.93	-6.0	.43	.40	564232
22	20425	-1.5332A	.0184	.92	-7.8	.83	-9.9	.44	.36	564233
23	20425	-.4900A	.0157	1.12	9.9	1.18	9.9	.30	.41	564235
24	20425	-1.4267A	.0180	.87	-9.9	.74	-9.9	.50	.37	564236
25	20425	-1.5512A	.0185	.97	-2.7	.90	-6.0	.39	.36	564238
26	20425	-1.8547A	.0199	.89	-9.7	.77	-9.9	.44	.34	564239
27	20425	.0903A	.0154	1.10	9.9	1.14	9.9	.32	.42	564240
28	20425	-.1723A	.0155	.98	-4.1	.98	-2.5	.44	.42	564242
29	20425	-.7507A	.0161	1.07	9.7	1.11	9.7	.34	.40	564248
30	20425	-1.3164A	.0176	.85	-9.9	.74	-9.9	.52	.38	564251
31	20425	-1.0182A	.0167	1.06	7.6	1.07	5.6	.34	.39	564255
32	20425	-1.8530A	.0199	.85	-9.9	.67	-9.9	.49	.34	564262
33	20425	-1.4464A	.0181	1.02	2.3	1.12	6.8	.33	.37	564264
34	20425	-1.0307A	.0168	1.03	3.8	1.02	1.8	.37	.39	564266
35	20425	-.5216A	.0158	1.12	9.9	1.15	9.9	.30	.41	564271
36	20425	-.7888A	.0162	1.11	9.9	1.11	9.9	.31	.40	564272
37	20425	-1.1592A	.0171	.98	-2.1	.94	-4.5	.41	.39	564273
38	20425	-2.1696A	.0217	.84	-9.9	.62	-9.9	.47	.31	564277
39	20425	-1.2427A	.0174	.97	-3.4	.93	-4.7	.41	.38	564278
40	20425	-1.0057A	.0167	.96	-5.5	.92	-6.9	.44	.39	564280
41	20425	-.4675A	.0157	1.07	9.9	1.09	9.1	.35	.41	564281
42	20425	.4761A	.0156	1.17	9.9	1.28	9.9	.24	.41	564283
43	20425	-.4338A	.0157	1.12	9.9	1.17	9.9	.30	.41	565716
44	20425	-.6396A	.0160	1.01	.9	.98	-2.1	.41	.41	565758
45	20425	-.8684A	.0164	.89	-9.9	.83	-9.9	.51	.40	565787
46	20425	-1.1544A	.0171	.92	-9.7	.86	-9.9	.46	.39	565790
47	20425	-2.0780A	.0211	.92	-6.3	.83	-7.6	.39	.32	565810
48	20425	-1.1646A	.0171	1.02	2.3	1.02	1.3	.37	.39	565819
49	20425	.0808A	.0154	.99	-2.4	1.00	.1	.43	.42	565831
50	20425	-.3627A	.0156	1.05	7.5	1.06	6.3	.37	.41	565848
51	3452	-.3520	.0379	1.06	3.8	1.05	2.4	.37	.42	602740
52	3452	-1.6558	.0459	.88	-4.7	.84	-3.7	.45	.35	602741
53	3452	.3189	.0378	1.08	5.7	1.14	6.4	.33	.42	602742

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Reading
54	3452	-2.6255	.0607	1.02	.4	1.03	.4	.25	.27	602743
55	3452	-1.1587	.0416	1.02	.9	.99	-.3	.38	.39	602744
56	3452	-1.8763	.0485	.87	-4.7	.72	-6.0	.46	.34	602745
57	3452	-1.7311	.0468	.84	-6.4	.72	-6.4	.50	.35	602746
58	3452	-1.2860	.0425	.92	-3.7	.86	-3.9	.45	.38	602748
59	3452	-2.2108	.0532	.87	-4.0	.70	-5.2	.44	.31	602749
60	3452	-2.3776	.0560	.93	-2.0	.81	-2.9	.37	.30	602751
61	3369	-.4496	.0385	1.02	1.4	1.02	.8	.39	.41	602752
62	3369	-1.1388	.0419	.93	-3.4	.89	-3.6	.45	.38	602753
63	3369	-1.6084	.0460	1.01	.3	.97	-.7	.35	.35	602754
64	3369	-.5984	.0390	.99	-.7	1.00	.2	.41	.41	602755
65	3369	-2.3442	.0563	.86	-3.7	.69	-5.1	.43	.29	602757
66	3369	-.5018	.0387	.97	-2.0	.95	-2.2	.44	.41	602759
67	3369	.9291	.0403	1.15	8.2	1.29	9.4	.23	.39	602760
68	3369	-.5590	.0389	1.08	5.0	1.08	3.6	.34	.41	602761
69	3369	-.7610	.0397	.95	-3.0	.92	-3.3	.45	.40	602762
70	3369	-1.4234	.0442	.91	-4.0	.81	-5.3	.46	.37	602763
71	3494	.0991	.0373	1.03	2.1	1.06	3.3	.38	.42	602765
72	3494	-.6434	.0386	.95	-3.2	.91	-3.7	.46	.41	602766
73	3494	-.1737	.0374	1.16	9.9	1.20	9.5	.27	.42	602767
74	3494	-3.1299	.0728	.88	-2.2	.50	-6.2	.38	.23	602768
75	3494	-1.4813	.0441	.99	-.4	1.05	1.2	.37	.37	602769
76	3494	1.7125	.0458	1.13	4.9	1.66	9.9	.16	.34	602770
77	3494	-.9763	.0402	.90	-5.4	.84	-5.8	.49	.40	602771
78	3494	-2.5905	.0599	.83	-4.2	.50	-8.1	.46	.28	602772
79	3494	-1.1525	.0414	.97	-1.6	.96	-1.1	.42	.39	602775
80	3494	.1465	.0373	.95	-3.5	.96	-1.9	.45	.42	602776
81	6675	-.8367	.0286	1.15	9.9	1.28	9.9	.26	.41	602778
82	6675	-1.2351	.0304	.93	-4.8	.86	-5.6	.45	.39	602779
83	6675	-.2467	.0272	1.09	8.1	1.09	5.6	.35	.42	602780
84	6675	-.6174	.0279	1.05	4.7	1.11	6.0	.36	.41	602783
85	6675	-.3196	.0273	1.03	2.7	1.02	1.4	.40	.42	602785
86	6675	-.3556	.0274	.89	-9.9	.85	-9.7	.52	.42	602786
87	6675	-1.0252	.0293	1.10	6.8	1.18	7.7	.31	.40	602787
88	6675	-.3144	.0273	.96	-3.5	.95	-3.1	.45	.42	602788
89	6675	-.2556	.0273	1.02	1.7	1.03	1.9	.40	.42	602789
90	6675	.0737	.0271	1.04	3.5	1.07	4.4	.39	.42	602790
91	3435	.7469	.0387	1.23	9.9	1.38	9.9	.14	.38	602791
92	3435	-.1370	.0375	1.20	9.9	1.27	9.9	.21	.40	602793
93	3435	-1.0512	.0410	.83	-9.3	.73	-9.7	.56	.39	602794
94	3435	-.9879	.0406	.96	-2.1	1.01	.4	.42	.39	602795
95	3435	.7141	.0385	1.28	9.9	1.55	9.9	.08	.38	602796
96	3435	-2.7941	.0656	.84	-3.5	.49	-7.6	.45	.26	602797
97	3435	-1.4767	.0445	.97	-1.0	.94	-1.6	.39	.36	602798
98	3435	-.4706	.0382	.96	-2.8	.93	-3.4	.45	.40	602800
99	3435	-1.5885	.0457	.83	-7.0	.68	-8.6	.53	.36	602802
100	3435	-.0796	.0374	1.04	3.2	1.08	4.2	.36	.40	602804
MEAN	12255	-.9959	.0295	.99	-.2	.97	-.6			
S.D.	8221.2	.8913	.0138	.10	6.4	.20	6.8			

Grade 11

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Reading
1	20566	.3031A	.0154	1.04	7.1	1.10	9.9	.35	.40	564301
2	20566	-.4665A	.0156	.97	-4.2	.95	-6.0	.43	.41	564302
3	20566	-1.8318A	.0197	.91	-8.1	.84	-8.5	.42	.34	564304
4	20566	-1.9095A	.0201	.88	-9.9	.70	-9.9	.46	.33	564305
5	20566	-.2984A	.0154	1.08	9.9	1.11	9.9	.33	.41	564310
6	20566	-1.9400A	.0203	.95	-3.8	.96	-1.8	.36	.33	564311
7	20566	.1277A	.0153	1.16	9.9	1.22	9.9	.25	.41	564318
8	20566	-1.4111A	.0179	1.07	6.9	1.10	6.1	.30	.37	564324
9	20566	-2.0445A	.0209	1.09	6.5	1.57	9.9	.17	.32	564326
10	20566	-2.3926A	.0232	.88	-7.7	.68	-9.9	.41	.29	564329
11	20566	-.9170A	.0164	.86	-9.9	.77	-9.9	.54	.39	564331
12	20566	-.5325A	.0157	1.00	-.8	.98	-1.9	.41	.40	564333
13	20566	-2.3855A	.0232	.89	-7.3	.69	-9.9	.40	.29	564341
14	20566	-.5512A	.0157	1.10	9.9	1.11	9.9	.31	.40	564345
15	20566	-.5866A	.0158	.91	-9.9	.87	-9.9	.49	.40	564346
16	20566	-.0436A	.0153	1.09	9.9	1.11	9.9	.32	.41	564347
17	20566	-.8126A	.0162	1.01	1.2	1.00	-.4	.39	.40	564351
18	20566	1.1157A	.0167	1.08	9.9	1.30	9.9	.25	.37	564352
19	20566	-.1239A	.0153	1.15	9.9	1.20	9.9	.27	.41	564360
20	20566	-2.0198A	.0207	.86	-9.9	.69	-9.9	.46	.32	564366
21	20566	-.4507A	.0156	1.11	9.9	1.14	9.9	.31	.41	564371
22	20566	-.0666A	.0153	1.13	9.9	1.16	9.9	.29	.41	564374
23	20566	-1.2367A	.0173	1.00	-.4	.97	-2.3	.38	.38	564385
24	20566	-1.4719A	.0181	.98	-2.0	.94	-3.6	.38	.36	564388
25	20566	-.8016A	.0161	.95	-8.0	.91	-8.5	.45	.40	564389
26	20566	-1.4643A	.0181	.98	-1.9	.92	-5.0	.38	.36	564401
27	20566	-.1839A	.0154	1.03	5.5	1.05	6.1	.38	.41	564402
28	20566	-1.0250A	.0167	.82	-9.9	.74	-9.9	.56	.39	564403
29	20566	-1.1805A	.0171	.98	-2.4	.93	-5.4	.41	.38	564404
30	20566	-1.6304A	.0188	.86	-9.9	.74	-9.9	.49	.35	564415
31	20566	-2.2751A	.0224	.88	-8.4	.72	-9.9	.41	.30	564416
32	20566	-2.9066A	.0277	.83	-8.5	.46	-9.9	.42	.25	564418
33	20566	-1.7329A	.0192	.99	-.7	.92	-4.5	.36	.35	564424
34	20566	-.4146A	.0156	1.35	9.9	1.48	9.9	.07	.41	564428
35	20566	-.8288A	.0162	1.00	-.6	.98	-1.5	.40	.40	564430
36	20566	-1.7071A	.0191	.96	-4.1	.94	-3.0	.38	.35	564436
37	20566	-2.2706A	.0223	.90	-7.1	.70	-9.9	.41	.30	564445
38	20566	-.8148A	.0162	1.13	9.9	1.22	9.9	.26	.40	564463
39	20566	-.7670A	.0161	1.05	6.9	1.05	5.0	.35	.40	564465
40	20566	-1.1832A	.0171	.98	-2.8	.96	-2.7	.40	.38	564469
41	20566	-.0022A	.0153	.96	-6.4	.98	-3.2	.44	.41	564471
42	20566	-.5981A	.0158	.86	-9.9	.81	-9.9	.54	.40	564472
43	20566	-2.7820A	.0265	.83	-9.3	.47	-9.9	.43	.26	564474
44	20566	-1.2269A	.0172	1.08	9.0	1.07	4.7	.31	.38	564477
45	20566	-1.6072A	.0187	.91	-9.3	.82	-9.9	.44	.35	564479
46	20566	-1.5615A	.0185	.88	-9.9	.79	-9.9	.47	.36	565549
47	20566	-1.2108A	.0172	.95	-6.5	.88	-9.2	.44	.38	565551
48	20566	-.7276A	.0160	.99	-1.5	.96	-3.9	.41	.40	565556
49	20566	.5258A	.0156	1.03	5.7	1.11	9.9	.35	.40	565572
50	20566	-.7899A	.0161	.99	-1.5	.96	-3.9	.41	.40	565647
51	3469	-.7646	.0389	1.12	7.3	1.16	6.1	.27	.39	602805
52	3469	.9513	.0397	1.20	9.9	1.49	9.9	.13	.37	602807
53	3469	-.3839	.0375	1.10	7.1	1.13	6.2	.30	.40	602808

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Reading
54	3469	-.1611	.0372	.96	-3.2	.95	-2.6	.44	.40	602809
55	3469	-.3642	.0375	.86	-9.9	.83	-9.3	.53	.40	602810
56	3469	-.2109	.0372	.98	-1.7	.98	-1.1	.42	.40	602811
57	3469	-.9123	.0396	1.05	2.8	1.14	4.9	.32	.38	602813
58	3469	-.0661	.0371	.98	-1.2	.98	-.9	.41	.40	602814
59	3469	.9277	.0395	1.20	9.9	1.39	9.9	.15	.37	602815
60	3469	.1359	.0371	.95	-3.6	.96	-2.3	.44	.40	602818
61	3364	-.1590	.0378	1.13	9.1	1.17	8.3	.27	.40	602819
62	3364	-.6065	.0389	.92	-5.0	.87	-5.9	.47	.39	602820
63	3364	-.4278	.0383	.95	-3.2	.93	-3.3	.44	.40	602824
64	3364	1.0281	.0407	1.01	.8	1.08	2.5	.35	.37	602825
65	3364	-2.1627	.0537	.96	-1.1	.84	-2.8	.34	.29	602826
66	3364	.2038	.0378	1.17	9.9	1.23	9.9	.23	.40	602827
67	3364	-.7586	.0395	.99	-.8	.95	-2.0	.40	.38	602828
68	3364	.4794	.0383	1.11	7.5	1.26	9.9	.27	.40	602829
69	3364	-1.0803	.0414	.97	-1.5	.95	-1.7	.40	.37	602830
70	3364	-2.4354	.0586	.94	-1.6	.72	-4.4	.35	.27	602832
71	3357	-1.5382	.0455	1.03	1.1	1.04	.9	.33	.35	602833
72	3357	-.4823	.0388	.96	-2.5	.94	-2.8	.45	.41	602835
73	3357	-3.1135	.0744	.92	-1.3	.85	-1.5	.30	.22	602836
74	3357	-1.5507	.0457	.96	-1.7	.87	-3.0	.40	.35	602839
75	3357	-.4838	.0388	1.06	3.5	1.07	3.1	.36	.41	602840
76	3357	-.8191	.0401	.95	-2.7	.92	-2.9	.44	.40	602841
77	3357	-.3394	.0384	.93	-4.9	.92	-4.0	.47	.41	602842
78	3357	.0733	.0380	.99	-.6	.99	-.3	.42	.41	602843
79	3357	-1.1821	.0424	.96	-2.0	.86	-4.2	.43	.38	602844
80	3357	-1.8578	.0492	.84	-5.8	.64	-8.0	.49	.33	602845
81	3460	-1.4300	.0434	.94	-2.8	.84	-4.5	.43	.35	602846
82	3460	.1613	.0371	.93	-5.2	.96	-2.3	.45	.39	602847
83	3460	-.4877	.0378	.98	-1.2	.97	-1.5	.41	.39	602848
84	3460	-.2711	.0373	1.33	9.9	1.44	9.9	.06	.39	602850
85	3460	1.1596	.0411	1.15	7.6	1.38	9.9	.17	.35	602851
86	3460	-.9831	.0400	1.14	7.2	1.22	7.4	.23	.38	602852
87	3460	-1.1642	.0412	.91	-4.7	.83	-5.7	.47	.37	602853
88	3460	.1709	.0371	1.02	1.7	1.05	2.6	.36	.39	602856
89	3460	-1.7042	.0462	.90	-3.7	.85	-3.7	.43	.34	602857
90	3460	-.6060	.0382	1.15	9.4	1.20	8.8	.24	.39	602859
91	6916	-1.2009	.0298	.90	-6.8	.82	-8.1	.49	.40	602860
92	6916	-1.6434	.0326	.90	-5.7	.83	-5.6	.46	.37	602861
93	6916	1.6356	.0318	1.22	9.9	1.97	9.9	.06	.34	602863
94	6916	-1.5333	.0318	.87	-7.5	.80	-7.4	.49	.38	602864
95	6916	.7568	.0275	1.04	3.5	1.12	6.1	.35	.40	602867
96	6916	-1.1141	.0294	.93	-4.7	.87	-6.1	.47	.40	602868
97	6916	-1.6064	.0324	.90	-5.5	.77	-8.1	.48	.38	602869
98	6916	-2.1569	.0372	.86	-6.0	.71	-7.5	.46	.33	602870
99	6916	-1.2812	.0303	.92	-5.4	.85	-6.4	.47	.40	602871
100	6916	-.3582	.0269	1.19	9.9	1.23	9.9	.26	.42	602872
MEAN	12339	-.8483	.0286	1.00	-.3	.99	-.7			
S.D.	8285.9	.9479	.0122	.11	6.7	.23	7.2			

Appendix O: NeSA Mathematics Bank Item Difficulties

Grade 3

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
1	4720	-1.7881	.0384	.96	-2.0	.94	-1.4	.41	.37	598840
2	6236	-1.8251	.0560	1.11	2.8	1.25	3.0	.87	.88	598841
3	2355	-1.1801	.0480	.86	-6.9	.81	-5.6	.52	.40	599737
4	4713	-2.2464	.0431	.92	-3.2	.83	-3.4	.41	.35	599738
5	2338	-1.0584	.0486	1.02	.8	1.02	.5	.40	.41	599739
6	6236	-1.1832	.0473	.98	-.6	.95	-.9	.84	.84	599740
7	4713	-.2436	.0328	1.05	3.9	1.08	4.1	.41	.45	599741
8	2355	-1.9595	.0551	1.00	-.1	.96	-.6	.36	.35	599742
9	2331	-2.4659	.0662	1.00	.0	.94	-.6	.34	.33	599743
10	4737	-.8169	.0329	.99	-1.0	.95	-2.4	.44	.42	599744
11	2338	-2.2630	.0619	.87	-3.5	.77	-3.4	.44	.33	599745
12	6236	-1.1279	.0467	.99	-.3	.90	-1.9	.84	.83	599746
13	6236	-1.7484	.0548	.91	-2.7	.83	-2.3	.89	.88	599747
14	2331	-2.9682	.0774	.84	-3.0	.62	-3.9	.41	.29	599748
15	6236	-1.9424	.0581	1.04	.9	1.17	2.0	.89	.89	599749
16	2355	-2.9887	.0740	.84	-3.1	.57	-5.2	.42	.27	599750
17	4737	-.7565	.0328	1.03	2.1	1.01	.5	.40	.42	599751
18	4720	-1.9047	.0394	.89	-5.5	.74	-7.0	.47	.36	599752
19	2331	-2.7461	.0720	1.08	1.6	1.41	3.6	.23	.31	599753
20	2355	1.2034	.0542	.92	-2.7	1.05	.9	.43	.38	599754
21	2338	2.6813	.0797	.95	-.8	1.30	2.5	.31	.29	599755
22	6236	-1.9765	.0587	.91	-2.3	.75	-3.2	.90	.89	599756
23	2331	-2.1713	.0612	1.01	.3	1.13	1.7	.34	.36	599757
24	2355	-.8898	.0466	.96	-2.0	.96	-1.2	.44	.41	599758
25	2382	-2.3179	.0607	.95	-1.3	.79	-3.1	.39	.33	599759
26	4720	-.0711	.0325	1.04	2.9	1.07	3.7	.40	.44	599760
27	6236	.3406	.0386	1.05	3.0	1.05	2.0	.67	.67	599761
28	2331	-.8980	.0488	1.06	2.6	1.08	2.3	.40	.44	599762
29	6236	-.3680	.0409	.95	-2.8	.91	-2.8	.77	.76	599763
30	2355	-.8529	.0465	1.02	1.3	1.02	.8	.39	.41	599764
31	2338	-.8551	.0475	1.02	1.0	1.03	.8	.40	.42	599765
32	2331	-1.7216	.0552	.87	-4.4	.74	-4.9	.49	.39	599766
33	4737	.4821	.0338	1.17	9.9	1.32	9.9	.26	.42	599767
34	2382	-2.8231	.0705	.92	-1.6	.76	-2.7	.37	.29	599768
35	6236	-.8812	.0444	.93	-3.0	.84	-3.6	.82	.81	599769
36	6236	.1433	.0390	.90	-6.1	.86	-5.4	.71	.70	599770
37	2338	.3355	.0469	1.07	3.5	1.19	5.9	.36	.43	599771
38	2338	-.7721	.0472	1.04	2.1	1.05	1.8	.39	.42	599772
39	2331	-.8319	.0485	1.01	.5	.96	-1.0	.45	.45	599773
40	2355	-.5515	.0458	.98	-1.1	.97	-1.2	.44	.42	599774
41	6236	-.2490	.0404	1.06	3.4	1.10	2.8	.74	.74	599775
42	2382	-.8175	.0467	1.07	3.4	1.06	1.8	.38	.43	599776
43	2338	.1742	.0465	1.10	5.3	1.15	5.2	.34	.43	599777
44	2338	-.7989	.0473	.91	-5.1	.87	-4.2	.50	.42	599778
45	2331	-1.0063	.0493	.88	-5.5	.84	-4.4	.52	.44	599779
46	6236	.1357	.0390	.97	-2.1	.95	-1.7	.70	.70	599780
47	6236	.4388	.0385	1.04	2.7	1.11	4.2	.65	.66	599781
48	2355	.2326	.0468	1.14	7.1	1.26	8.2	.29	.42	599782
49	2382	-.7762	.0466	1.03	1.4	1.04	1.3	.41	.43	599783
50	4720	.7572	.0348	1.21	9.9	1.52	9.9	.21	.42	599784
51	2331	-2.0375	.0592	.97	-.9	.97	-.4	.39	.37	599785
52	2355	-.8443	.0465	.99	-.3	.99	-.2	.42	.41	599786

Grade 3

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
53	2355	-.6714	.0460	1.26	9.9	1.45	9.9	.17	.42	599787
54	2338	.4443	.0474	1.03	1.5	1.10	2.9	.39	.42	599788
55	2331	.9833	.0509	1.06	2.5	1.22	4.7	.38	.44	599789
56	2355	-.3617	.0456	.95	-3.2	.92	-3.2	.47	.42	599790
57	2355	-.8789	.0466	.90	-5.8	.85	-5.2	.51	.41	599791
58	2382	.7259	.0491	1.25	9.9	1.60	9.9	.18	.42	599792
59	2382	-1.7456	.0531	1.05	1.9	1.16	2.9	.33	.38	599793
60	4720	-3.0153	.0542	1.01	.3	1.08	1.1	.25	.27	599794
61	2331	-2.5102	.0671	.94	-1.5	.83	-2.0	.38	.33	599795
62	2355	-3.6200	.0934	.96	-.6	.65	-3.0	.28	.21	599796
63	6236	-.5465	.0420	.99	-.3	.94	-1.6	.78	.78	599797
64	2338	-2.6389	.0691	.87	-2.9	.75	-3.0	.42	.30	599798
65	6236	-1.8729	.0569	.91	-2.6	.74	-3.5	.90	.89	599799
66	2382	-1.1669	.0484	.92	-4.0	.85	-4.3	.49	.41	599800
67	2338	-1.9064	.0566	.92	-2.6	.83	-3.0	.44	.36	599801
68	4713	-.3361	.0328	1.02	1.7	1.04	2.1	.43	.45	599802
69	2355	-.5139	.0457	1.28	9.9	1.40	9.9	.17	.42	599803
70	2338	-1.7818	.0550	.86	-4.9	.75	-5.0	.49	.37	599804
71	6236	.0267	.0393	1.06	3.8	1.09	3.2	.70	.71	599805
72	2355	.6149	.0488	.93	-3.3	.94	-1.7	.46	.41	599806
73	2382	-1.6622	.0523	.98	-.8	.90	-2.1	.41	.38	599807
74	2331	-2.3432	.0640	.87	-3.5	.78	-2.9	.44	.34	599808
75	2338	-1.8873	.0563	1.02	.6	.97	-.5	.35	.36	599809
76	2331	-2.7565	.0722	.95	-1.1	.81	-1.9	.36	.31	599810
77	4737	-.0489	.0325	.97	-2.2	.98	-.9	.45	.43	599811
78	6236	-1.4124	.0500	.95	-1.6	.89	-1.8	.86	.86	599812
79	4737	-.3139	.0323	1.04	3.1	1.06	3.4	.40	.43	599813
80	2338	-.9626	.0481	.92	-4.2	.87	-4.1	.49	.42	599814
81	2331	-.4888	.0473	.93	-3.5	.91	-2.9	.50	.46	599815
82	6236	-.3663	.0409	1.04	2.0	1.13	3.7	.75	.76	599816
83	2355	-2.8936	.0717	.89	-2.3	.61	-4.8	.40	.27	599817
84	2382	.3528	.0471	1.06	2.9	1.16	5.0	.37	.43	599818
85	4720	-1.7911	.0384	.95	-2.6	.91	-2.3	.42	.37	599819
86	2338	-1.9001	.0565	.95	-1.5	.87	-2.3	.41	.36	599820
87	2331	-2.9211	.0762	.92	-1.6	.60	-4.2	.38	.29	599821
88	6236	-1.8283	.0561	.94	-1.6	.91	-1.2	.89	.88	599822
89	6236	.0545	.0392	1.20	9.9	1.35	9.9	.68	.71	599823
90	4737	-1.9089	.0387	.86	-7.0	.75	-6.8	.48	.36	599824
91	2338	-.6137	.0466	1.03	1.7	1.03	1.0	.40	.43	599825
92	2338	-1.3667	.0508	1.03	1.1	1.11	2.5	.36	.40	599826
93	2331	-.5969	.0476	.83	-9.3	.78	-7.5	.58	.45	599827
94	2355	-1.0106	.0471	.95	-2.7	.93	-2.2	.45	.41	599828
95	6236	-.0699	.0396	.99	-.7	.98	-.8	.73	.72	599829
96	4713	-1.4666	.0365	1.05	2.5	1.16	4.7	.36	.40	599830
97	4720	-.9493	.0337	.95	-3.6	.92	-3.5	.46	.42	599831
98	6236	-.8655	.0443	.98	-1.1	.91	-2.0	.81	.81	599832
99	4713	-1.8222	.0390	1.00	.0	.96	-.9	.39	.38	599833
100	2355	-1.0150	.0472	1.02	1.0	1.00	-.1	.40	.41	599834
101	2338	-1.3333	.0505	.98	-.6	.95	-1.2	.41	.40	599835
102	2338	.1980	.0465	1.24	9.9	1.38	9.9	.21	.43	599836
103	2331	.3940	.0478	1.02	.8	1.06	1.7	.44	.46	599837
104	6236	1.2677	.0395	1.04	2.2	1.11	3.6	.54	.55	599838
105	2331	-.6446	.0478	1.09	4.6	1.14	4.2	.38	.45	599839
106	2355	-2.9142	.0722	.84	-3.3	.62	-4.6	.43	.27	599840

Grade 3

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
107	4737	-.9804	.0334	.92	-5.7	.87	-6.1	.49	.42	599841
108	6236	-.3081	.0406	1.13	6.7	1.25	7.0	.73	.75	599842
109	2338	-2.2250	.0613	.98	-.5	.94	-.9	.36	.34	599843
110	6236	.1006	.0391	1.10	6.0	1.12	4.2	.69	.70	599844
111	2331	-.6173	.0477	.95	-2.7	.90	-3.1	.50	.45	599845
112	6236	.5765	.0384	1.01	.5	1.01	.5	.64	.64	599846
113	2355	-.4826	.0457	1.00	.2	.98	-.6	.42	.42	599847
114	4737	-1.4622	.0355	1.03	2.0	1.00	.0	.37	.39	599848
115	2382	-2.2138	.0591	.95	-1.3	.87	-1.9	.39	.34	599849
116	2338	-1.6665	.0537	.96	-1.3	.89	-2.1	.41	.38	599850
117	4713	-1.6208	.0375	.87	-7.2	.73	-8.1	.51	.39	599851
118	2355	.3319	.0472	1.12	6.2	1.28	8.4	.29	.42	599853
119	2338	-1.3461	.0506	.87	-5.7	.81	-4.8	.51	.40	599854
120	2331	-.7921	.0483	.88	-5.9	.80	-6.3	.54	.45	599855
121	2355	-1.3019	.0488	.88	-5.7	.84	-4.4	.50	.39	599856
122	2331	-.9941	.0493	1.12	5.1	1.12	3.0	.36	.44	599876
123	4737	-2.4431	.0443	1.02	.6	1.02	.4	.30	.32	599877
124	6236	-1.1257	.0467	1.05	2.0	1.06	1.0	.83	.83	599878
125	6236	-.8990	.0446	.98	-.9	.92	-1.6	.82	.81	599879
126	2338	-1.9518	.0572	.94	-1.9	.92	-1.3	.40	.36	599880
127	6236	-.9010	.0446	1.09	3.9	1.08	1.8	.80	.81	599881
128	2331	-1.9551	.0581	1.00	.0	1.07	1.1	.37	.38	599882
129	2355	-1.0150	.0472	.89	-6.0	.85	-4.7	.50	.41	599883
130	2382	-1.7036	.0527	1.12	4.2	1.23	4.2	.28	.38	599884
131	6236	-1.2285	.0478	.95	-1.7	.98	-.3	.85	.84	599885
132	2338	-1.9420	.0570	1.05	1.4	1.08	1.4	.32	.36	599886
133	2331	1.0780	.0517	1.33	9.9	1.83	9.9	.15	.43	599887
134	6236	.4388	.0385	.97	-1.9	.98	-.9	.67	.66	599888
135	6236	1.4614	.0402	1.17	9.2	1.33	9.3	.50	.53	599889
136	4737	-.7350	.0327	1.15	9.9	1.22	9.9	.29	.42	599890
137	2338	-2.1878	.0607	1.01	.2	1.19	2.6	.31	.34	599891
138	2331	-3.1870	.0834	.90	-1.6	.67	-2.9	.35	.27	599892
139	2331	-2.0028	.0587	.83	-5.4	.63	-6.3	.51	.37	599893
140	2355	-1.8272	.0535	.87	-4.7	.78	-4.5	.48	.36	599894
141	2331	-2.3637	.0643	.90	-2.5	.90	-1.2	.41	.34	599895
142	6236	-.5536	.0420	.98	-.8	.96	-1.1	.78	.78	599896
143	2355	-2.8432	.0705	.82	-3.8	.52	-6.3	.46	.28	599897
144	2382	-2.8583	.0713	.98	-.3	.97	-.3	.30	.29	599898
145	2338	-.6880	.0469	1.05	2.5	1.05	1.8	.39	.43	599899
146	6236	-2.0291	.0597	.90	-2.4	.70	-3.8	.91	.90	599900
147	6236	.2024	.0389	.85	-9.7	.81	-7.5	.71	.69	599901
148	2331	-1.1473	.0502	1.02	.8	.95	-1.1	.43	.43	599902
149	6236	-.4118	.0412	1.14	7.0	1.25	6.4	.74	.76	599903
150	6236	-1.0004	.0455	.95	-2.2	.92	-1.6	.83	.82	599904
151	2338	-3.9237	.1111	.97	-.2	.61	-2.7	.24	.19	599906
152	6236	.4655	.0385	.90	-6.5	.90	-4.1	.67	.66	599907
153	4713	-2.5437	.0468	.89	-3.9	.74	-4.6	.41	.32	599908
154	4737	-1.9149	.0387	.89	-5.4	.76	-6.6	.46	.36	599909
155	2338	-.2878	.0461	.86	-8.8	.83	-7.0	.55	.43	599910
156	6236	-.7691	.0435	.99	-.3	.98	-.3	.80	.80	599911
157	2331	-.0065	.0470	1.10	5.3	1.19	6.2	.38	.46	599912
158	2331	-2.2947	.0632	.98	-.4	.95	-.6	.37	.35	600447
159	2355	.1349	.0464	.99	-.8	1.10	3.5	.42	.42	600448
160	6236	-1.7878	.0554	.91	-2.5	.71	-4.1	.89	.88	600449

Grade 3

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
161	6236	-1.5204	.0514	.89	-3.5	.79	-3.4	.88	.86	600450
162	2338	-.7343	.0470	1.01	.3	1.00	-.1	.42	.42	600451
163	2331	-1.7646	.0557	.83	-5.9	.75	-4.5	.51	.39	600452
164	2355	-1.7046	.0522	1.05	1.9	1.21	4.0	.31	.37	600453
165	2382	-.1421	.0458	1.16	8.7	1.25	8.8	.30	.44	600454
166	6236	-1.3412	.0491	1.07	2.4	1.48	7.0	.84	.85	600455
167	4720	-1.7210	.0379	1.00	-.2	1.00	.1	.38	.38	600456
168	6236	-1.0548	.0460	1.06	2.3	1.07	1.4	.82	.83	600457
169	2331	-1.4607	.0526	1.27	9.7	1.60	9.9	.19	.41	600458
170	2355	-2.6048	.0654	.84	-3.9	.65	-4.8	.45	.30	600459
171	4720	-.7347	.0331	1.09	6.6	1.14	6.3	.35	.43	600460
172	2338	-2.9453	.0764	.95	-1.0	.95	-.5	.31	.27	600461
173	4713	-1.0532	.0344	1.00	-.1	.94	-2.2	.44	.43	600462
174	2355	-2.2134	.0586	.95	-1.4	.80	-3.2	.39	.33	600463
175	6236	.4862	.0385	.97	-1.8	.96	-1.5	.66	.66	600464
176	6236	-.5927	.0423	1.04	1.9	.99	-.3	.78	.78	600465
177	2338	-2.4322	.0649	.82	-4.6	.62	-5.5	.48	.32	600466
178	2331	-2.0028	.0587	.84	-5.0	.66	-5.6	.50	.37	600467
179	2355	-.6440	.0459	.96	-2.3	.96	-1.4	.45	.42	600468
180	6236	-1.9662	.0585	.86	-3.7	.65	-4.7	.91	.89	600469
181	2355	-.7350	.0461	1.08	4.6	1.10	3.5	.34	.42	600470
182	2338	-1.6463	.0535	1.01	.2	.96	-.7	.38	.38	600471
183	2331	.3281	.0476	1.15	7.6	1.26	7.5	.34	.46	600472
184	2355	-3.0218	.0748	.88	-2.2	.71	-3.2	.37	.26	600474
185	2382	-1.5498	.0512	1.21	7.8	1.41	7.9	.20	.39	600475
186	2338	-1.7279	.0544	1.18	5.9	1.38	6.3	.21	.37	600476
187	4713	-3.0388	.0547	.90	-2.5	.72	-3.9	.36	.27	600477
188	2355	-.2868	.0456	1.12	6.8	1.16	6.0	.32	.42	600478
189	6236	-.2311	.0403	.85	-8.6	.80	-6.8	.76	.74	600816
190	2338	-1.8339	.0556	1.03	1.1	1.00	.1	.34	.37	600817
191	4713	-1.6138	.0374	1.03	1.8	1.07	1.9	.37	.39	600818
192	2338	-2.2250	.0613	.97	-.7	.87	-1.8	.37	.34	603141
193	4713	-1.9776	.0403	.98	-.8	.95	-1.2	.38	.37	603142
194	2331	-1.7124	.0551	1.00	-.1	.94	-1.0	.40	.40	603143
195	4737	-1.3949	.0351	1.05	3.3	1.12	3.8	.34	.40	603144
196	2338	-1.1711	.0493	.93	-3.3	.90	-2.7	.47	.41	603145
197	6236	-2.9944	.0847	.97	-.4	.65	-3.0	.94	.94	603146
198	2331	.3145	.0476	.89	-5.8	.84	-5.3	.54	.46	603147
199	2355	-1.0934	.0476	1.30	9.9	1.43	9.9	.14	.40	603148
200	2338	.0348	.0462	1.09	5.1	1.12	4.2	.35	.43	603149
201	2331	.5489	.0484	1.08	3.9	1.26	6.9	.38	.45	603150
202	2355	-1.1411	.0478	.94	-3.1	.93	-2.0	.46	.40	603151
203	2382	-.8988	.0470	.99	-.3	.97	-.9	.43	.43	603152
204	2338	-1.6066	.0531	1.06	2.2	1.07	1.3	.33	.38	603153
205	2331	.8483	.0500	1.02	.7	1.30	6.6	.40	.44	603154
206	4737	-1.2534	.0344	.92	-5.6	.87	-4.9	.48	.40	603156
207	2338	-1.9518	.0572	.81	-6.2	.70	-5.4	.51	.36	603157
MEAN	3627.1	-1.1323	.0502	.99	.0	.98	.0			
S.D.	1664.2	1.0950	.0119	.10	4.2	.21	4.4			

Grade 4

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
1	2903	1.0387	.0462	1.33	9.9	1.75	9.9	.10	.40	598842
2	6856	.8571	.0356	1.14	9.4	1.26	9.9	.51	.54	598843
3	2891	-1.8202	.0506	.86	-5.3	.67	-6.4	.49	.37	599857
4	2903	-1.1733	.0441	.86	-7.8	.82	-5.2	.51	.40	599858
5	2903	-2.1535	.0539	.82	-5.9	.62	-6.8	.49	.33	599860
6	2891	-1.8100	.0505	.90	-3.9	.74	-4.9	.46	.37	599862
7	2891	-2.9153	.0693	.84	-3.3	.53	-5.6	.41	.28	599865
8	2891	-1.8202	.0506	.87	-4.8	.74	-5.0	.47	.37	599868
9	2874	-2.6792	.0624	.92	-1.8	1.09	1.1	.34	.29	599872
10	2874	-2.5994	.0609	.99	-.2	.97	-.4	.31	.30	599873
11	2891	-1.3366	.0461	.83	-8.3	.69	-7.8	.54	.40	599875
12	2903	-.4181	.0414	1.00	.0	1.00	.0	.42	.42	603916
13	2874	-.6353	.0417	.90	-6.8	.86	-5.9	.50	.41	603918
14	6856	1.0293	.0361	1.08	4.9	1.15	6.0	.50	.52	603919
15	2891	-.0960	.0418	.90	-6.1	.86	-5.8	.52	.45	603920
16	2903	-2.6935	.0633	.87	-3.0	.64	-4.8	.41	.29	603921
17	2874	-3.0242	.0702	.93	-1.4	.62	-4.6	.36	.27	603922
18	6856	-1.6687	.0462	.88	-4.3	.80	-3.9	.86	.85	603923
19	6856	-.6771	.0374	.97	-1.8	.95	-1.6	.75	.75	603924
20	2874	-2.2958	.0556	.89	-3.3	.89	-1.7	.41	.32	603925
21	2874	-2.1220	.0530	.84	-5.3	.65	-6.7	.48	.33	603926
22	6856	-.4249	.0363	.85	-9.9	.79	-8.7	.74	.71	603927
23	2891	-1.3750	.0463	.93	-3.3	.82	-4.2	.46	.40	603928
24	2891	.1148	.0420	.93	-4.6	.93	-2.9	.50	.45	603929
25	2903	-3.3073	.0787	.86	-2.4	.64	-3.7	.37	.25	603930
26	2903	-2.1710	.0541	.96	-1.2	.88	-2.0	.37	.33	603931
27	2903	-4.7039	.1430	.98	-.1	.90	-.5	.22	.19	603932
28	2874	-2.2142	.0544	.85	-4.8	.67	-5.9	.47	.33	603933
29	2874	-.2696	.0413	1.04	2.4	1.08	3.5	.38	.42	603934
30	2891	-2.9058	.0690	.89	-2.2	.76	-2.6	.37	.28	603935
31	6856	-.6091	.0371	1.10	5.8	1.13	4.3	.72	.74	603936
32	2874	.0612	.0416	1.10	6.2	1.17	6.8	.33	.42	603937
33	6856	-1.0764	.0401	1.02	.8	1.06	1.6	.79	.79	603938
34	2903	-2.0684	.0527	.88	-4.2	.77	-4.0	.44	.34	603939
35	2903	-1.6427	.0478	.92	-3.3	.90	-2.2	.43	.37	603940
36	2903	-.8100	.0424	1.01	.7	1.00	-.1	.41	.41	603941
37	2874	-1.9549	.0509	.88	-4.2	.81	-3.6	.45	.35	603942
38	6856	1.3773	.0377	1.02	.9	1.15	4.9	.47	.47	603943
39	2891	-2.1190	.0544	1.15	4.5	3.30	9.9	.10	.34	603944
40	2903	-1.9499	.0512	1.13	4.3	1.68	9.8	.18	.35	603945
41	2903	1.1519	.0471	1.16	6.4	1.59	9.9	.23	.40	603946
42	2874	.1429	.0418	1.09	5.3	1.13	5.3	.34	.42	603947
43	6856	-3.4976	.0898	.93	-.9	.77	-1.8	.95	.94	603948
44	2903	.6286	.0435	1.07	3.6	1.16	5.1	.35	.42	603949
45	2874	-3.1002	.0722	.93	-1.4	.80	-2.2	.33	.26	603950
46	6856	.1660	.0349	1.33	9.9	1.49	9.9	.58	.64	603951
47	2874	-.1673	.0413	.97	-2.1	.98	-.8	.44	.42	603952
48	2891	-.7938	.0430	1.21	9.9	1.35	9.7	.26	.43	603953
49	2903	-.0245	.0414	.95	-3.0	.93	-2.9	.47	.43	603954
50	6856	.1355	.0349	1.06	4.5	1.07	3.2	.63	.64	603955
51	2903	-2.5778	.0610	.96	-1.0	.99	.0	.32	.30	603957
52	2874	.2966	.0423	1.08	4.7	1.15	5.6	.34	.42	603958
53	6856	-.9309	.0390	.94	-3.4	.88	-3.5	.78	.77	603959
54	2903	-1.2322	.0445	.93	-3.4	.88	-3.3	.45	.39	603960

Grade 4

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
55	2903	-1.8527	.0500	1.04	1.6	1.00	.0	.33	.35	603961
56	2903	-1.0338	.0433	1.10	5.5	1.13	3.6	.32	.40	603962
57	2874	-.3720	.0413	.96	-2.6	.95	-2.2	.45	.42	603963
58	2874	.1412	.0418	1.08	4.9	1.11	4.5	.35	.42	603964
59	6856	-.8528	.0385	.93	-3.9	.90	-3.1	.78	.77	603965
60	2891	-.1573	.0418	1.16	9.2	1.22	7.9	.32	.45	603966
61	2903	-2.0029	.0518	1.01	.3	.93	-1.2	.35	.34	603967
62	2903	-.1085	.0414	1.03	2.1	1.04	1.6	.40	.43	603968
63	6856	-.2327	.0356	1.01	.6	.98	-.7	.69	.69	603969
64	2903	.3404	.0423	1.24	9.9	1.35	9.9	.23	.43	603970
65	2891	-.8646	.0433	1.21	9.9	1.39	9.9	.25	.43	603971
66	2903	-2.9648	.0694	1.01	.2	1.24	2.4	.25	.27	603972
67	2891	.1484	.0421	1.19	9.9	1.30	9.9	.29	.45	603973
68	2874	.0542	.0416	.99	-.5	.99	-.5	.43	.42	603974
69	6856	-1.0065	.0396	1.01	.7	1.03	.9	.78	.78	603975
70	2891	-2.3283	.0576	1.06	1.5	1.35	4.2	.26	.33	603976
71	2874	-.2969	.0413	1.03	2.0	1.03	1.4	.39	.42	603977
72	2891	-.3959	.0420	.96	-2.6	.94	-2.2	.47	.44	603978
73	6856	.7366	.0353	.96	-2.8	.97	-1.5	.56	.56	603979
74	2891	.4052	.0427	.96	-2.2	1.03	1.1	.47	.45	603981
75	2903	-.6223	.0418	.95	-3.4	.94	-2.3	.46	.42	603982
76	2903	-2.2125	.0547	.95	-1.5	.90	-1.5	.38	.33	603984
77	6856	1.0634	.0363	1.11	6.6	1.23	8.5	.49	.51	603985
78	6856	.2815	.0348	1.12	8.6	1.15	7.0	.60	.62	603986
79	2874	.2521	.0421	1.05	2.9	1.08	3.2	.37	.42	603987
80	2874	-.0217	.0415	1.20	9.9	1.29	9.9	.24	.42	603988
81	6856	-.6104	.0371	.97	-1.8	.99	-.5	.74	.74	603989
82	2903	-1.4663	.0462	.95	-2.3	.86	-3.4	.43	.38	603990
83	2891	-1.0717	.0443	1.09	4.5	1.11	2.9	.35	.42	603991
84	6856	.9735	.0359	1.03	2.2	1.08	3.4	.52	.53	603992
85	6856	.0695	.0350	1.10	7.5	1.15	6.7	.63	.65	603998
86	2891	-.2291	.0418	1.00	-.2	.98	-.6	.45	.45	603999
87	6856	-.7053	.0376	1.05	2.7	1.08	2.6	.74	.75	604000
88	2891	1.3651	.0488	.92	-3.2	.94	-1.2	.47	.42	604001
89	2891	-1.2221	.0453	1.08	3.6	1.10	2.3	.35	.41	604002
90	6856	.9105	.0357	1.04	2.9	1.09	3.5	.53	.53	604003
91	2874	-1.0464	.0432	.98	-.9	.99	-.3	.41	.40	604004
92	2874	-.7351	.0420	1.18	9.9	1.33	9.9	.24	.41	604005
93	6856	-1.1251	.0405	1.15	6.9	1.61	9.9	.77	.80	604006
94	2874	2.2051	.0626	.97	-.7	1.36	4.3	.31	.32	604007
95	2891	-2.0436	.0533	.94	-2.0	.90	-1.6	.40	.35	604008
96	2891	-1.3558	.0462	1.03	1.4	1.11	2.5	.37	.40	604009
97	6856	1.1658	.0367	.78	-9.9	.73	-9.9	.54	.50	604010
98	2903	.7437	.0441	.88	-6.1	.94	-1.8	.50	.42	604011
99	2903	-2.2095	.0547	.91	-2.8	.75	-4.2	.41	.33	604012
100	2891	-2.4236	.0592	.95	-1.4	1.04	.6	.35	.32	604013
101	2903	.2764	.0421	1.01	.6	1.09	3.4	.41	.43	604014
102	2874	-.8167	.0422	.97	-2.1	.91	-3.2	.44	.41	604015
103	2874	1.5479	.0521	.87	-4.4	.88	-2.2	.46	.36	604016
104	6856	.8167	.0355	.81	-9.9	.80	-9.6	.58	.55	604017
105	6856	-1.1071	.0404	.97	-1.4	.88	-3.2	.80	.79	604018
106	6856	-1.6709	.0462	.87	-4.8	.68	-6.7	.87	.85	604019
107	2903	-1.0057	.0432	.99	-.7	.94	-1.8	.42	.40	604020
108	2891	-2.0126	.0529	.81	-6.6	.61	-7.0	.51	.35	604021

Grade 4

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
109	2891	-.7037	.0427	.97	-1.8	.94	-2.0	.46	.43	604022
110	2903	.5201	.0430	1.03	1.6	1.14	4.7	.39	.42	604023
111	6856	-.1294	.0353	.90	-7.2	.87	-5.9	.69	.68	604024
112	2903	-1.7406	.0488	.96	-1.6	.96	-.7	.39	.36	604025
113	2874	-2.5094	.0592	.87	-3.5	.65	-5.4	.43	.31	604026
114	6856	1.0515	.0362	1.05	3.1	1.10	4.0	.50	.51	604027
115	2891	.5083	.0431	1.05	2.9	1.14	4.5	.39	.45	604028
116	2903	-.5025	.0416	1.12	7.0	1.15	5.5	.33	.42	604029
117	2874	-.5694	.0416	.95	-3.5	.92	-3.5	.46	.41	604030
118	6856	-.3935	.0361	.90	-7.3	.90	-3.9	.73	.71	604031
119	2874	-1.3779	.0453	.94	-2.8	.88	-3.2	.44	.38	604032
120	2874	-.9157	.0426	.90	-6.2	.85	-5.4	.49	.40	604033
121	2891	-1.4205	.0467	.88	-5.4	.78	-5.3	.49	.39	604034
122	2891	-2.3250	.0575	.95	-1.3	.83	-2.3	.37	.33	604035
123	6856	-.0424	.0352	1.07	5.5	1.10	4.4	.65	.66	604036
124	2891	-2.4062	.0589	.95	-1.4	.74	-3.6	.38	.32	604037
125	2891	-2.1309	.0545	.85	-4.9	.66	-5.7	.47	.34	604038
126	2891	-.0137	.0419	1.01	.5	1.03	1.0	.44	.45	604039
127	2903	-1.1115	.0438	1.05	2.4	1.01	.4	.37	.40	604040
128	2903	-1.1211	.0438	.93	-3.8	.88	-3.5	.46	.40	604041
129	2874	-2.3748	.0569	.92	-2.4	.73	-4.3	.41	.32	604042
130	2903	-2.7055	.0635	.99	-.1	.89	-1.4	.31	.29	604043
131	2874	-1.4589	.0459	.93	-3.2	1.04	1.0	.42	.38	604044
132	2891	.2374	.0423	.92	-4.9	.93	-2.7	.51	.45	604045
133	6856	-.4925	.0365	.93	-4.9	.90	-3.7	.73	.72	604046
134	2874	-1.8268	.0494	.81	-7.6	.65	-7.8	.53	.36	604047
135	6856	-.7767	.0380	.91	-5.3	.81	-6.2	.77	.76	604048
136	2874	-2.1163	.0530	.94	-2.0	.96	-.6	.39	.33	604049
137	2903	-.9151	.0428	.98	-1.0	.98	-.5	.42	.41	604050
138	2891	-1.6101	.0484	.87	-5.6	.80	-4.2	.48	.38	604051
139	2891	-.2553	.0419	1.05	3.0	1.09	3.4	.40	.44	604054
140	2891	-.3677	.0420	1.00	-.1	.99	-.3	.44	.44	604055
141	2903	1.1210	.0469	1.07	3.0	1.32	7.1	.32	.40	604056
142	2891	-.8627	.0433	.95	-2.6	.90	-3.0	.47	.43	604057
143	6856	-.5544	.0368	.98	-1.1	.93	-2.7	.73	.73	604058
144	6856	1.2776	.0372	1.08	4.9	1.23	7.7	.46	.48	604059
145	2874	-1.8440	.0496	1.03	1.0	.97	-.6	.34	.35	604060
146	2891	-1.2098	.0452	.85	-7.8	.78	-5.8	.52	.41	604061
147	2891	.6802	.0438	1.06	2.9	1.16	4.7	.39	.44	604062
148	2891	-1.2757	.0456	.93	-3.5	.88	-3.1	.46	.40	604063
149	6856	.5394	.0350	.93	-5.6	.92	-3.9	.60	.59	604064
150	6856	2.6510	.0502	1.00	-.1	1.13	2.1	.31	.31	604065
151	2891	-.1206	.0418	1.32	9.9	1.47	9.9	.19	.45	604066
152	2874	-.7105	.0419	1.23	9.9	1.33	9.9	.21	.41	604067
153	2874	-.4884	.0414	1.19	9.9	1.25	9.7	.25	.42	604068
154	2874	-.6197	.0417	1.05	3.2	1.04	1.5	.37	.41	604069
155	6856	-.6926	.0375	1.05	2.9	1.10	3.0	.74	.75	604070
156	2891	.5926	.0434	1.02	.9	1.08	2.6	.42	.44	604071
157	2891	-1.9410	.0520	.99	-.3	1.09	1.4	.35	.36	604072
158	2874	.9841	.0462	1.11	4.6	1.29	7.0	.28	.39	604073
159	2891	-.9631	.0438	1.04	1.9	1.03	1.0	.39	.42	604074
160	6856	-1.1137	.0404	1.01	.4	.97	-.8	.80	.79	604075
161	2891	-.9250	.0436	1.13	6.5	1.19	5.2	.32	.42	604076
162	2891	.0478	.0419	1.04	2.6	1.06	2.5	.41	.45	604077

Grade 4

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
163	2874	-1.6060	.0472	1.01	.3	.93	-1.5	.37	.37	604078
164	6856	.9580	.0359	1.12	7.9	1.21	8.1	.50	.53	604079
165	2874	-.7439	.0420	1.06	3.9	1.13	4.5	.35	.41	604080
166	6856	-1.7098	.0467	.89	-4.1	.74	-5.1	.87	.85	604081
167	6856	-1.5833	.0451	.99	-.5	1.00	.0	.84	.84	604082
168	2874	-1.8489	.0496	1.02	.6	1.04	.9	.34	.35	604083
169	2874	-1.4359	.0457	1.10	4.4	1.14	3.4	.29	.38	604085
170	2903	-.0159	.0415	.99	-.6	1.00	-.2	.43	.43	604086
171	2903	-.0948	.0414	.93	-4.4	.91	-3.8	.48	.43	604087
172	2891	-.7440	.0428	1.12	6.4	1.16	4.9	.34	.43	604088
173	2874	-1.6060	.0472	1.02	1.0	1.02	.5	.36	.37	604089
174	6856	-.4779	.0365	1.03	2.1	1.03	1.2	.72	.72	604090
175	2891	-1.1874	.0450	1.02	1.2	1.03	.8	.39	.41	604091
176	2874	-.9012	.0426	.93	-4.0	.90	-3.6	.47	.40	604092
177	2874	.1622	.0419	.93	-4.5	.97	-1.4	.47	.42	604093
178	2891	-.5575	.0423	1.00	-.2	1.00	-.2	.44	.44	604094
179	2891	-.5987	.0424	1.03	1.9	1.04	1.3	.41	.44	604095
180	2903	.1205	.0417	.94	-3.7	.95	-2.0	.47	.43	604096
181	6856	-.0771	.0352	1.12	8.4	1.17	7.0	.65	.67	604097
182	6856	-.2086	.0355	.98	-1.3	.99	-.5	.69	.69	604098
183	2903	-.1513	.0413	1.05	3.4	1.09	3.6	.38	.43	604099
184	2903	.0633	.0416	.93	-4.4	.91	-3.9	.48	.43	604100
185	2903	-.1854	.0413	.97	-2.1	.96	-1.9	.45	.43	604101
186	6856	.7866	.0354	.95	-3.4	.96	-1.7	.56	.55	604102
187	2903	-.4645	.0415	1.05	3.4	1.09	3.6	.37	.42	604103
188	2874	-1.6463	.0475	1.03	1.1	1.02	.4	.35	.37	604104
189	2874	-1.4171	.0456	1.00	.0	1.07	1.7	.37	.38	604105
190	2874	-.4455	.0414	1.00	.1	1.01	.4	.41	.42	604106
191	6856	-2.5216	.0608	.87	-2.9	.60	-5.4	.92	.91	604107
192	2891	-1.8407	.0508	.92	-2.8	.87	-2.4	.42	.36	604108
193	2903	-1.2046	.0443	1.08	3.8	1.25	6.1	.32	.39	604109
194	2903	1.0323	.0461	.99	-.3	1.08	2.1	.40	.40	604110
195	2903	-1.3491	.0453	1.10	4.5	1.41	9.0	.27	.39	604111
196	2891	-1.9303	.0519	.99	-.2	.99	-.2	.36	.36	604112
197	2903	.4051	.0425	1.00	.0	1.11	3.9	.41	.42	604113
198	6856	-1.7496	.0473	.92	-2.9	.73	-5.1	.87	.85	604114
199	2891	-2.4376	.0594	.94	-1.5	.88	-1.5	.36	.32	604115
200	2874	.2485	.0421	.85	-9.6	.86	-5.7	.54	.42	604116
201	2874	-2.2866	.0555	.88	-3.5	.78	-3.6	.43	.32	604117
202	2891	.4842	.0430	.86	-8.3	.88	-4.1	.54	.45	604118
203	2891	1.1329	.0467	.94	-2.6	1.06	1.6	.45	.43	604119
204	2891	.2284	.0422	1.11	6.4	1.22	7.9	.35	.45	604120
205	6856	-.7166	.0377	.88	-7.1	.79	-7.3	.77	.75	604121
206	2903	.6399	.0436	.80	-9.9	.75	-8.8	.57	.42	604122
207	2903	-1.9446	.0511	.99	-.3	.96	-.7	.36	.35	604123
208	2874	.4450	.0429	1.13	7.0	1.22	7.5	.29	.41	604124
209	2891	-1.1211	.0446	1.03	1.7	1.06	1.5	.39	.41	604125
210	6856	-.4712	.0365	1.07	4.3	1.08	2.8	.71	.72	604126
211	2903	-1.8180	.0496	1.10	3.6	1.16	2.9	.27	.36	604127
212	2874	-.0920	.0414	1.00	.1	1.02	1.0	.41	.42	604128
213	2874	.1272	.0418	1.12	7.1	1.17	6.7	.31	.42	604129
214	2874	.4432	.0429	1.04	2.3	1.20	6.7	.35	.41	604130
215	6856	-1.4417	.0435	.97	-1.4	.90	-2.2	.83	.83	604131
216	2891	-1.8100	.0505	.97	-1.0	.91	-1.6	.39	.37	604132

Grade 4

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
217	2903	-1.9472	.0511	.98	-.6	1.11	1.9	.34	.35	604133
218	2874	-.3208	.0413	1.05	3.5	1.09	3.9	.37	.42	604134
219	6856	-.9067	.0388	1.13	6.8	1.28	7.3	.75	.77	604135
220	6856	-.5640	.0369	.95	-3.3	.89	-4.0	.74	.73	604136
221	2891	-1.8023	.0504	.96	-1.4	.93	-1.2	.40	.37	604137
222	2903	-2.1652	.0540	.90	-3.1	.81	-3.1	.41	.33	604138
223	2903	-1.2007	.0443	.99	-.3	.95	-1.2	.40	.39	604139
224	2903	-1.2901	.0449	.94	-3.2	.92	-2.1	.44	.39	604140
225	6856	-.9157	.0389	.89	-5.9	.81	-5.6	.79	.77	604141
226	2903	-3.3012	.0786	1.02	.4	1.11	1.0	.23	.25	604142
227	6856	.5896	.0350	1.02	1.5	1.04	1.8	.57	.58	604143
228	6856	-1.3986	.0431	.89	-4.5	.76	-5.5	.84	.82	604144
229	2874	-1.2180	.0442	.90	-5.0	.83	-5.2	.48	.39	604145
230	2874	-2.0152	.0516	.87	-4.7	.76	-4.6	.46	.34	604146
231	2874	.0421	.0416	.99	-.9	1.01	.4	.43	.42	604147
232	2903	-.5371	.0416	.87	-8.3	.83	-6.8	.52	.42	604148
233	2874	-.9649	.0428	.85	-9.2	.78	-7.8	.54	.40	604149
234	6856	-.4739	.0365	1.00	-.3	1.02	.8	.72	.72	604150
235	2903	-.3444	.0414	1.04	2.8	1.05	2.1	.39	.43	604151
236	6856	-.3739	.0361	.90	-6.9	.87	-5.2	.72	.71	604152
237	2903	-3.1279	.0736	.95	-.8	.67	-3.6	.33	.26	604153
238	6856	-1.1137	.0404	.99	-.6	1.05	1.2	.80	.79	604154
239	2891	.1113	.0420	1.04	2.1	1.04	1.4	.42	.45	604155
240	2874	-.2424	.0413	1.11	7.3	1.18	7.3	.32	.42	604157
MEAN	3881.0	-.8067	.0459	.99	-.2	1.00	.2			
S.D.	1717.6	1.1614	.0106	.10	4.6	.25	4.7			

Grade 5

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
1	6540	-.5026	.0355	1.07	4.7	1.11	4.8	.67	.69	598844
2	6540	-1.1300	.0391	.92	-4.2	.86	-4.2	.78	.77	598845
3	2864	-1.0316	.0450	.99	-.7	.94	-1.6	.44	.43	603386
4	2893	.6207	.0442	1.19	9.0	1.38	9.9	.24	.42	603387
5	2864	-1.1486	.0458	1.02	.9	1.09	2.0	.38	.40	603388
6	2864	1.4694	.0490	1.20	7.4	1.82	9.9	.17	.35	603389
7	6540	1.3028	.0375	1.06	3.5	1.21	6.8	.42	.43	603391
8	6540	1.3814	.0380	1.36	9.9	1.65	9.9	.34	.42	603392
9	2864	.7587	.0439	1.37	9.9	1.66	9.9	.12	.39	603393
10	2893	-1.6077	.0462	.94	-2.6	.87	-3.2	.43	.37	603394
11	6540	.6027	.0346	1.15	9.9	1.21	9.9	.50	.53	603395
12	6540	.4106	.0343	1.30	9.9	1.49	9.9	.49	.56	603396
13	2864	-1.1909	.0461	.84	-7.7	.71	-7.2	.53	.40	603397
14	2864	-1.8484	.0526	.92	-2.5	.82	-3.2	.48	.42	603398
15	6540	-.4963	.0355	.87	-9.2	.86	-6.5	.71	.69	603399
16	2893	-1.7035	.0471	.95	-2.3	.88	-2.7	.42	.37	603400
17	2864	-.8696	.0442	.98	-1.0	1.22	5.5	.41	.42	603401
18	2864	-2.0709	.0557	.80	-6.4	.57	-7.7	.56	.42	603402
19	2893	-2.4296	.0560	.80	-6.1	.56	-7.7	.49	.31	603403
20	2864	-.8872	.0443	1.08	4.0	1.18	4.5	.35	.42	603404
21	2864	-1.9653	.0542	.95	-1.7	.88	-2.0	.46	.42	603405
22	6540	1.0455	.0361	1.27	9.9	1.47	9.9	.41	.47	603406
23	2893	-.6168	.0415	1.10	6.2	1.14	5.4	.34	.43	603407
24	6540	-.6473	.0361	.89	-7.3	.87	-5.4	.73	.71	603409
25	6540	-2.2283	.0526	.96	-1.1	.98	-.3	.88	.87	603410
26	6540	-1.5394	.0429	.97	-1.4	.85	-3.5	.82	.81	603412
27	2864	.9455	.0449	1.09	4.3	1.16	4.3	.32	.38	603413
28	2893	-1.1973	.0435	.87	-7.5	.79	-6.7	.52	.40	603414
29	2864	-.3565	.0425	1.05	3.1	1.08	2.6	.40	.45	603415
30	2893	-.7138	.0417	.92	-5.1	.92	-3.2	.49	.42	603418
31	2864	-1.1994	.0462	1.03	1.5	1.09	1.9	.37	.40	603419
32	6540	-1.3461	.0410	.87	-6.1	.77	-6.6	.81	.79	603420
33	6540	-1.6146	.0438	.99	-.5	.96	-1.0	.82	.82	603421
34	2864	-1.7239	.0511	.91	-3.4	.85	-2.6	.43	.36	603422
35	6540	-.9973	.0381	.93	-4.0	.91	-2.9	.76	.75	603424
36	2864	-.6502	.0431	1.28	9.9	1.43	9.9	.24	.43	603425
37	2893	.6148	.0441	1.17	8.1	1.34	9.5	.26	.42	603426
38	6540	.0094	.0343	1.15	9.9	1.20	9.9	.59	.62	603427
39	2864	-.6387	.0432	.88	-6.7	.83	-5.4	.53	.44	603428
40	2864	-.4089	.0424	.92	-4.7	.90	-4.0	.48	.43	603429
41	2864	-.0959	.0420	1.16	9.3	1.22	8.7	.31	.43	603430
42	2893	-.2672	.0414	1.03	2.0	1.05	2.1	.40	.43	603432
43	6540	-1.2078	.0398	.96	-2.1	.95	-1.3	.78	.78	603433
44	2864	-.4690	.0427	.92	-4.7	.88	-4.0	.50	.44	603434
45	2864	-1.5294	.0490	.92	-3.1	.86	-3.1	.48	.43	603435
46	6540	-.3672	.0350	1.01	.4	1.01	.5	.67	.67	603436
47	2893	-2.0150	.0503	.85	-5.9	.70	-6.2	.48	.34	603437
48	2864	-1.8864	.0531	.99	-.4	.97	-.5	.35	.34	603438
49	2864	-.1914	.0421	1.14	8.5	1.21	8.3	.32	.43	603439
50	2893	-1.4394	.0450	.98	-1.0	1.07	1.7	.40	.39	603440
51	2864	-1.5896	.0496	1.06	2.3	1.25	4.2	.31	.37	603441
52	2864	-.4576	.0425	1.08	4.4	1.08	2.8	.38	.43	603442
53	2893	.3233	.0427	1.07	3.9	1.14	5.0	.36	.43	603443
54	2864	-2.7403	.0684	.92	-1.7	.80	-2.1	.33	.27	603444

Grade 5

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
55	6540	1.2539	.0372	.96	-2.5	.99	-.4	.45	.44	603445
56	2864	-.3211	.0423	.92	-5.0	.87	-5.3	.49	.43	603446
57	2893	-.1247	.0415	1.09	5.6	1.11	4.6	.35	.43	603447
58	2864	-.6800	.0434	.98	-1.0	.95	-1.6	.45	.43	603448
59	2893	-1.2679	.0439	.98	-1.0	.96	-1.1	.41	.40	603449
60	2864	-.9544	.0446	.91	-4.8	.79	-5.9	.50	.42	603450
61	6540	1.2304	.0371	.91	-5.2	.99	-.3	.46	.44	603451
62	6540	-.0270	.0343	.99	-.4	.99	-.5	.62	.62	603452
63	6540	-.0270	.0343	1.11	8.3	1.14	7.3	.60	.62	603453
64	2864	.3980	.0425	1.17	9.6	1.29	9.9	.28	.41	603454
65	2864	-2.2467	.0585	.87	-3.6	.81	-2.8	.50	.41	603457
66	6540	-1.8515	.0468	.91	-3.2	.83	-3.5	.86	.84	603458
67	2893	-.2295	.0414	.97	-1.8	.95	-2.3	.46	.43	603459
68	2864	-1.5409	.0491	1.10	4.0	1.36	6.0	.27	.37	603460
69	2864	-1.2930	.0469	1.01	.5	1.00	.0	.42	.43	603462
70	2864	-1.9653	.0542	1.07	2.3	1.22	3.4	.35	.42	603463
71	2893	-1.1765	.0434	1.02	.9	1.01	.3	.39	.40	603465
72	6540	.3461	.0342	1.06	5.0	1.07	3.7	.56	.57	603466
73	2864	-.6818	.0434	.94	-3.7	.88	-3.7	.49	.43	603467
74	2864	-.6950	.0433	1.05	3.0	1.07	2.3	.40	.43	603468
75	2893	.0295	.0418	1.37	9.9	1.53	9.9	.11	.43	603469
76	6540	-.1096	.0344	1.03	2.3	1.02	1.3	.63	.63	603470
77	2864	.5084	.0430	.98	-1.3	.99	-.4	.48	.46	603471
78	6540	-1.1826	.0395	1.01	.7	1.05	1.3	.77	.77	603472
79	2864	-1.8457	.0526	.90	-3.4	.82	-3.2	.49	.42	603473
80	2893	.0243	.0418	.89	-7.1	.86	-5.9	.53	.43	603475
81	2864	-.7863	.0438	.88	-6.8	.78	-6.7	.53	.43	603476
82	2864	-1.4960	.0487	.85	-6.1	.70	-7.1	.53	.43	603477
83	2893	.3069	.0426	1.27	9.9	1.45	9.9	.19	.43	603478
84	6540	.4095	.0343	.78	-9.9	.75	-9.9	.60	.56	603479
85	6540	.8194	.0352	1.05	3.4	1.09	3.9	.49	.50	603480
86	6540	.0516	.0342	.92	-7.1	.90	-5.7	.63	.61	603481
87	6540	.3508	.0342	.94	-4.9	.93	-3.7	.58	.57	603482
88	6540	-.3525	.0350	1.11	7.7	1.14	6.2	.65	.67	603484
89	2864	-2.0039	.0547	.95	-1.7	.88	-2.0	.46	.42	603486
90	2864	-.5331	.0429	1.00	.1	.95	-1.5	.45	.44	603487
91	2864	-.4468	.0425	.89	-6.8	.85	-5.9	.51	.43	603488
92	2893	-.5444	.0415	.92	-5.1	.89	-4.7	.50	.43	603489
93	6540	.1031	.0342	.92	-6.7	.89	-6.1	.62	.60	603490
94	6540	-.0647	.0343	.88	-9.8	.84	-9.0	.65	.63	603491
95	6540	-.0235	.0343	1.30	9.9	1.39	9.9	.56	.62	603492
96	2864	-.9944	.0449	.95	-2.4	.96	-1.1	.45	.41	603493
97	2864	-2.4813	.0628	.88	-3.0	.69	-4.2	.50	.41	603494
98	2893	.0926	.0419	1.10	6.0	1.15	5.8	.34	.43	603495
99	2864	.1383	.0423	1.13	7.5	1.19	6.8	.35	.46	603498
100	6540	.4648	.0344	.94	-4.9	.94	-3.3	.56	.55	603499
101	2864	-.0254	.0420	1.09	5.3	1.11	4.6	.36	.42	603500
102	2864	-2.7310	.0682	1.05	1.0	1.41	3.6	.21	.27	603501
103	2864	-1.9074	.0534	.94	-1.9	.81	-3.4	.47	.42	603503
104	2893	.2833	.0425	1.03	1.8	1.08	2.9	.40	.43	603504
105	2864	-1.6444	.0502	.93	-2.9	.83	-3.1	.43	.36	603505
106	2864	-1.5151	.0489	.85	-6.2	.74	-5.9	.53	.43	603506
107	2893	-.0591	.0416	.83	-9.9	.80	-9.2	.57	.43	603508
108	2864	-.4180	.0426	.93	-4.0	.90	-3.5	.50	.45	603509

Grade 5

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
109	6540	-1.2734	.0403	.91	-4.2	.84	-4.4	.80	.79	603510
110	2864	-.9732	.0447	.92	-3.9	.85	-4.5	.49	.43	603511
111	2864	1.4182	.0483	1.03	1.3	1.25	5.3	.39	.43	603512
112	6540	-.4127	.0352	1.07	5.3	1.11	5.0	.66	.68	603513
113	2864	.5257	.0429	1.37	9.9	1.53	9.9	.15	.41	603514
114	2893	1.0051	.0470	1.35	9.9	1.67	9.9	.08	.40	603515
115	2864	.0758	.0422	1.15	8.6	1.21	7.7	.34	.46	603517
116	2864	-.8805	.0442	1.15	7.4	1.20	5.8	.33	.43	603518
117	6540	-1.6358	.0440	.81	-7.5	.62	-9.6	.85	.82	603519
118	2893	-1.1428	.0432	1.05	2.5	1.06	1.8	.36	.40	603520
119	2893	-3.1500	.0708	.97	-.5	.81	-2.0	.28	.25	603522
120	2864	-.8754	.0442	.92	-4.1	.89	-2.9	.48	.42	603523
121	2864	-1.3933	.0477	1.00	-.1	1.08	1.6	.38	.39	603524
122	2864	-1.3688	.0475	.96	-1.8	1.03	.8	.45	.43	603525
123	6540	-.3770	.0351	1.01	1.1	1.00	.0	.67	.67	603526
124	2893	.4153	.0431	1.03	1.6	1.16	5.2	.38	.43	603528
125	2864	-.7045	.0435	.93	-4.1	.90	-3.0	.49	.43	603529
126	6540	-.2916	.0348	1.01	.6	1.00	.0	.66	.66	603530
127	2864	.5701	.0431	1.07	3.9	1.10	3.5	.36	.40	603531
128	2864	-1.2624	.0467	1.12	5.1	1.15	3.6	.35	.43	603532
129	2893	.5243	.0436	.88	-6.3	.87	-4.6	.52	.42	603533
130	2864	.5586	.0432	1.10	5.5	1.22	7.4	.37	.46	603534
131	2864	-.6707	.0432	.93	-4.3	.87	-4.7	.49	.43	603535
132	2893	.3875	.0430	1.26	9.9	1.41	9.9	.19	.43	603536
133	2864	-1.2294	.0464	1.13	5.8	1.29	5.8	.29	.40	603537
134	6540	-1.2157	.0398	.96	-2.0	1.02	.6	.78	.78	603538
135	2864	-1.4139	.0479	.90	-4.2	.98	-.4	.45	.38	603539
136	2893	-3.0117	.0674	.92	-1.6	.91	-1.0	.33	.26	603540
137	2864	-1.3036	.0470	.95	-2.0	.97	-.7	.42	.39	603541
138	2864	-1.7670	.0516	.95	-1.9	.96	-.7	.45	.42	603542
139	2893	-1.6141	.0463	1.01	.5	1.05	1.2	.36	.37	603543
140	6540	-1.4652	.0422	.89	-4.9	.76	-6.4	.82	.81	603544
141	2893	-.8631	.0421	1.03	2.0	1.09	3.3	.38	.42	603545
142	2864	-.9127	.0444	1.01	.7	1.03	.7	.41	.42	603546
143	2864	-2.5830	.0648	.93	-1.6	.70	-3.9	.48	.41	603548
144	2864	-1.6876	.0507	.88	-4.6	.91	-1.6	.45	.36	603551
145	2864	-1.7031	.0508	.93	-2.6	.93	-1.2	.41	.36	603552
146	2864	-1.8904	.0532	.83	-5.7	.66	-6.4	.54	.42	603553
147	2893	-1.5380	.0457	.82	-8.7	.70	-8.1	.54	.38	603554
148	2864	.1141	.0421	1.02	1.5	1.03	1.4	.40	.42	603556
149	6540	.7077	.0349	.97	-2.1	1.00	.2	.52	.52	603557
150	6540	-1.4387	.0419	.92	-3.6	.90	-2.6	.82	.80	603558
151	2864	-1.1512	.0458	1.07	3.1	1.03	.9	.39	.43	603560
152	2864	-.9020	.0443	1.03	1.4	1.00	.1	.42	.43	603562
153	2893	-1.3046	.0441	.87	-6.8	.79	-6.4	.51	.39	603563
154	2864	.0259	.0422	1.06	3.6	1.11	4.0	.41	.46	603564
155	2893	-.9668	.0425	1.15	8.4	1.21	6.7	.28	.41	603565
156	2864	-.9405	.0446	1.17	8.3	1.41	9.4	.27	.42	603566
157	2893	-1.6814	.0469	.92	-3.4	.85	-3.5	.44	.37	603569
158	2864	-1.9994	.0546	1.03	1.0	1.29	3.8	.29	.33	603570
159	2893	.5530	.0438	.97	-1.8	.94	-1.9	.45	.42	603573
160	6540	1.2428	.0372	.96	-2.4	.96	-1.6	.45	.44	603574
161	2864	-.1272	.0422	1.05	3.0	1.10	3.6	.41	.45	603575
162	2864	.3547	.0424	.97	-1.8	.99	-.6	.43	.41	603576

Grade 5

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
163	2893	-.1832	.0414	.91	-5.6	.89	-4.9	.51	.43	603577
164	6540	-1.3833	.0413	1.09	3.9	1.30	6.9	.78	.80	603578
165	2864	-.5037	.0428	.92	-4.5	.93	-2.5	.50	.44	603579
166	6540	-1.0710	.0387	.92	-4.3	.83	-5.7	.78	.76	603610
167	6540	-2.4167	.0561	.95	-1.1	.87	-1.9	.89	.89	603612
168	2864	-.2783	.0422	1.04	2.3	1.02	1.0	.41	.43	603614
169	2893	-.0885	.0416	.99	-.7	.99	-.5	.44	.43	603616
170	2864	-.7310	.0436	.92	-4.6	.85	-4.7	.50	.43	603617
171	2864	.1070	.0421	.96	-2.3	.98	-.6	.44	.42	603618
172	2893	-1.6270	.0464	1.05	2.1	1.05	1.2	.33	.37	603619
173	2864	1.2527	.0470	.91	-3.9	.95	-1.2	.50	.44	603620
174	2893	-1.1204	.0431	.96	-2.2	.94	-1.8	.44	.40	603621
175	2864	-.7252	.0434	.81	-9.9	.74	-9.6	.56	.43	603622
176	2864	-.8637	.0442	.88	-6.4	.80	-5.9	.52	.42	603623
177	2864	-.6649	.0433	1.18	9.5	1.24	6.6	.29	.43	603624
178	2893	-1.1372	.0432	.99	-.7	.93	-2.0	.42	.40	603625
179	2864	.0420	.0422	1.02	.9	1.01	.4	.45	.46	603627
180	2864	.6654	.0434	.87	-7.4	.91	-3.0	.48	.40	603628
181	2893	.2060	.0423	.87	-7.8	.87	-5.4	.53	.43	603629
182	2864	-1.0166	.0450	.87	-6.6	.81	-4.9	.51	.41	603631
183	2893	-1.5547	.0458	.89	-5.0	.82	-4.7	.48	.38	603632
184	2864	-.1468	.0422	.90	-6.4	.85	-5.7	.54	.45	603633
185	2864	-1.5127	.0489	.99	-.4	.94	-1.2	.44	.43	603634
186	2893	-.8365	.0420	1.20	9.9	1.32	9.9	.24	.42	603635
187	2864	-.5441	.0429	.80	-9.9	.72	-9.9	.60	.44	603636
188	2864	.0752	.0420	.83	-9.9	.79	-9.4	.53	.42	603637
189	2893	-.9022	.0422	.78	-9.9	.70	-9.9	.60	.42	603638
190	2864	-.0150	.0422	1.23	9.9	1.39	9.9	.27	.46	603639
191	6540	1.3141	.0376	.87	-7.8	.90	-3.5	.46	.43	603641
192	6540	-2.1475	.0512	1.05	1.4	1.17	2.7	.86	.87	603643
193	2864	.7549	.0438	.84	-9.2	.81	-6.5	.50	.39	603645
194	2893	-.0661	.0416	.90	-6.5	.89	-4.8	.52	.43	603646
195	2864	-.0435	.0422	1.02	1.5	1.01	.5	.44	.46	603647
196	2864	-1.4374	.0481	1.02	.7	.95	-1.1	.42	.43	603648
197	2864	-2.0098	.0548	1.04	1.1	1.12	1.9	.39	.42	603650
198	2893	-1.9799	.0499	.95	-2.0	.91	-1.7	.39	.35	603651
199	2864	-1.0676	.0453	.99	-.5	.96	-.9	.42	.41	603653
200	2864	-1.9275	.0537	1.08	2.6	1.46	6.6	.33	.42	603655
201	6540	1.1381	.0366	.91	-5.7	.98	-.9	.47	.46	603656
202	2893	.2652	.0425	.90	-6.1	.87	-5.3	.52	.43	603657
203	2864	-1.1739	.0460	1.06	2.9	1.05	1.1	.36	.40	603658
204	6540	-2.0960	.0504	.89	-3.3	.81	-3.4	.88	.86	603659
205	2893	-.5530	.0415	1.07	4.1	1.08	3.1	.37	.43	603660
206	2864	-1.8457	.0526	1.00	.1	1.08	1.4	.41	.42	603663
207	2893	-2.1890	.0525	.96	-1.4	.85	-2.6	.38	.33	603664
208	2864	.6469	.0435	1.16	8.3	1.25	7.9	.33	.46	603665
209	6540	-.9440	.0378	.93	-4.1	.87	-4.4	.76	.75	603666
210	2864	-1.8791	.0530	.91	-3.1	.82	-3.3	.48	.42	603667
211	2893	1.1902	.0487	1.11	3.9	1.50	9.6	.26	.39	603668
212	2864	.2136	.0424	1.07	4.3	1.10	3.6	.40	.46	603669
213	2864	.4325	.0426	.99	-.4	1.00	.0	.41	.41	603671
214	2893	.7661	.0451	1.01	.6	1.08	2.3	.39	.41	603672
215	6540	.3578	.0342	.97	-2.5	1.00	.3	.57	.57	603674
216	2864	-2.4232	.0616	.87	-3.2	.66	-4.8	.50	.41	603676

Grade 5

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
217	2893	-2.1508	.0520	1.00	.0	1.09	1.5	.32	.33	603677
218	2864	-.4726	.0427	1.06	3.4	1.07	2.4	.40	.44	603678
219	2864	-.9573	.0446	.80	-9.9	.70	-9.8	.57	.43	603679
220	2893	.2924	.0426	.98	-1.0	1.01	.4	.44	.43	603680
221	2864	.5904	.0433	.97	-1.5	.96	-1.4	.48	.46	603681
222	6540	-1.0325	.0384	.92	-4.3	.90	-3.2	.77	.76	603683
223	6540	-2.0707	.0500	.93	-2.0	.80	-3.7	.87	.86	603684
224	6540	.9782	.0358	1.10	6.2	1.19	7.5	.45	.48	603685
225	2864	.4744	.0428	1.14	7.9	1.22	7.6	.31	.41	603686
226	2893	-2.0276	.0504	.80	-7.8	.63	-7.7	.52	.34	603687
227	6540	-1.2412	.0400	.84	-8.2	.71	-8.8	.81	.78	603688
228	2864	-1.1760	.0460	.98	-.8	.97	-.6	.41	.40	603689
229	2864	-2.2162	.0580	.90	-2.9	.78	-3.4	.49	.42	603690
230	2893	-1.4842	.0453	.90	-4.8	.82	-4.7	.47	.38	603691
231	2893	-.3253	.0414	.93	-4.9	.91	-4.0	.49	.43	603692
232	2864	-.7064	.0435	.97	-1.6	.94	-1.9	.46	.43	603693
233	2864	-.0236	.0420	1.01	.8	1.06	2.4	.41	.42	603694
234	6540	-.9184	.0376	1.01	.7	1.07	2.3	.74	.74	603695
235	2893	-1.0982	.0430	1.04	2.5	1.04	1.3	.37	.41	603697
236	2864	.0081	.0422	1.02	1.0	1.03	1.3	.44	.46	603698
237	2864	-1.9653	.0542	.85	-5.0	.67	-6.1	.53	.42	603699
238	2893	-.7855	.0419	.90	-6.0	.87	-5.2	.50	.42	603703
239	6540	1.1880	.0369	.97	-2.1	1.01	.3	.45	.45	603704
240	6540	1.0704	.0362	1.18	9.9	1.28	9.9	.42	.47	603708
MEAN	3790.3	-.6723	.0443	.99	-.5	1.00	-.1			
S.D.	1587.6	1.0060	.0065	.12	5.3	.21	5.2			

Grade 6

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
1	2950	-.5680	.0413	1.09	5.6	1.12	4.6	.34	.42	598846
2	6310	-.4989	.0369	1.16	9.8	1.25	8.3	.67	.70	598847
3	2937	-.2920	.0417	1.02	1.3	1.06	2.1	.43	.45	603158
4	6310	-1.4676	.0430	.91	-4.0	.75	-5.5	.82	.81	603159
5	6310	.4215	.0358	1.08	5.3	1.09	3.8	.57	.59	603160
6	2950	-1.1607	.0436	1.06	3.1	1.08	2.2	.35	.40	603161
7	2956	-1.0475	.0435	1.11	5.6	1.21	5.7	.30	.40	603162
8	6310	1.2274	.0383	1.11	5.9	1.20	6.3	.46	.48	603163
9	2956	.7391	.0433	1.22	9.9	1.38	9.9	.23	.43	603164
10	2937	-1.7269	.0492	.89	-4.5	.78	-4.0	.46	.37	603165
11	6310	-.4773	.0368	1.05	3.2	1.09	3.3	.69	.70	603166
12	2956	.2298	.0414	1.11	6.4	1.18	7.2	.34	.44	603167
13	2956	.1036	.0412	1.10	5.9	1.13	5.4	.36	.44	603168
14	6310	-.2384	.0361	.89	-7.6	.83	-7.1	.69	.67	603169
15	2937	-.2295	.0416	.95	-3.1	.93	-2.7	.49	.45	603170
16	6310	-1.3331	.0417	.92	-3.8	.83	-4.0	.81	.79	603171
17	2956	-1.7039	.0488	.99	-.4	1.18	3.3	.34	.35	603172
18	2937	.3662	.0424	1.30	9.9	1.47	9.9	.22	.46	603173
19	2937	-.5493	.0421	.90	-6.2	.86	-4.9	.52	.44	603174
20	2950	-.9349	.0425	1.12	6.8	1.18	5.5	.30	.41	603175
21	2956	.2230	.0414	1.14	8.2	1.17	6.7	.32	.44	603176
22	6310	1.2216	.0382	1.17	9.0	1.39	9.9	.44	.48	603177
23	2956	-.3080	.0411	.85	-9.9	.81	-8.5	.56	.43	603178
24	2937	-.3267	.0417	.89	-7.0	.85	-5.9	.53	.45	603179
25	2950	-.0183	.0410	1.09	5.4	1.13	5.1	.35	.43	603180
26	2956	-1.6220	.0479	.98	-.8	.90	-2.1	.39	.36	603181
27	2937	-1.0122	.0437	1.04	2.1	1.08	2.1	.38	.42	603182
28	2956	1.1655	.0460	1.05	2.1	1.12	2.9	.36	.41	603183
29	6310	.7573	.0364	1.10	6.3	1.16	6.3	.52	.54	603184
30	2937	-1.0371	.0439	.96	-1.9	.95	-1.4	.44	.41	603185
31	6310	-.7990	.0381	.92	-4.5	1.00	.1	.75	.74	603186
32	2956	-.9855	.0432	1.04	2.0	1.03	.8	.38	.41	603187
33	2937	.8772	.0447	1.07	3.5	1.17	4.6	.39	.45	603188
34	2937	-.0527	.0417	1.19	9.9	1.24	8.5	.31	.45	603189
35	2937	-1.9343	.0515	.92	-2.7	.80	-3.4	.42	.35	603190
36	2950	-1.1932	.0438	1.06	3.0	1.09	2.5	.35	.40	603191
37	6310	-.5044	.0369	.94	-3.9	.90	-3.4	.71	.70	603192
38	2937	.4641	.0427	1.07	3.8	1.17	5.5	.39	.46	603193
39	2950	-.2429	.0409	.84	-9.9	.79	-9.5	.56	.43	603194
40	2956	-1.9856	.0522	.85	-5.1	.69	-5.8	.46	.33	603195
41	6310	.7308	.0364	1.06	3.6	1.12	4.9	.53	.55	603196
42	6310	-.3118	.0363	.90	-7.1	.85	-5.9	.70	.68	603197
43	2937	.1919	.0420	.91	-5.4	.92	-3.3	.52	.46	603199
44	2950	.2784	.0416	1.03	1.7	1.11	4.1	.39	.43	603200
45	2956	-.6473	.0418	1.01	.7	1.00	.1	.42	.42	603201
46	2950	-2.4814	.0587	1.01	.2	1.01	.2	.30	.31	603202
47	2956	-2.0185	.0526	.94	-2.1	.82	-3.2	.39	.33	603203
48	2937	-1.4351	.0465	.87	-6.0	.78	-4.8	.49	.39	603204
49	2937	.0814	.0418	1.03	1.7	1.06	2.1	.43	.46	603205
50	2950	-.2898	.0409	1.06	3.6	1.05	1.9	.38	.43	603206
51	2956	-1.1511	.0441	.86	-7.4	.78	-6.5	.52	.40	603207
52	2937	-.7172	.0425	.96	-2.1	.91	-2.9	.46	.43	603208
53	6310	1.0908	.0376	1.09	5.0	1.19	6.2	.48	.50	603209
54	2950	-1.2573	.0443	.90	-4.9	.82	-5.0	.48	.39	603210

Grade 6

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
55	2956	.4084	.0419	1.06	3.2	1.11	4.2	.39	.44	603211
56	6310	-.2436	.0361	.84	-9.9	.77	-9.9	.70	.67	603212
57	2937	-2.0972	.0536	1.05	1.6	1.21	2.9	.29	.33	603213
58	2950	-.7158	.0417	.95	-3.4	.90	-3.9	.47	.42	603214
59	2937	-1.5656	.0476	1.01	.5	1.12	2.2	.36	.38	603215
60	2950	.6588	.0432	1.28	9.9	1.44	9.9	.17	.42	603216
61	6310	.3090	.0357	1.04	3.1	1.05	2.4	.59	.60	603217
62	2937	-3.1916	.0760	.96	-.6	.99	-.1	.26	.24	603218
63	2950	-2.5662	.0603	.98	-.4	.87	-1.7	.33	.30	603219
64	2956	-2.4298	.0591	.97	-.7	.99	-.1	.32	.29	603220
65	2937	-1.1187	.0443	.95	-2.6	.93	-1.9	.45	.41	603221
66	2937	-.2538	.0417	.97	-1.8	.96	-1.5	.47	.45	603222
67	2950	-.3972	.0410	1.04	2.4	1.07	2.7	.39	.42	603223
68	6310	-.0226	.0358	1.13	8.7	1.15	6.4	.62	.64	603224
69	6310	.7720	.0365	1.01	.7	1.03	1.4	.54	.54	603225
70	2956	.2367	.0414	1.13	7.7	1.23	9.0	.32	.44	603226
71	2950	.3922	.0420	1.11	6.0	1.25	8.3	.32	.42	603227
72	6310	-.9023	.0387	.81	-9.9	.71	-9.1	.78	.75	603228
73	6310	1.7863	.0420	1.13	5.6	1.40	8.5	.38	.41	603229
74	2950	-.6433	.0415	1.03	1.9	1.02	.9	.39	.42	603230
75	6310	-1.0461	.0396	1.08	3.9	1.19	4.6	.75	.76	603231
76	2956	-1.9938	.0523	.84	-5.4	.78	-4.0	.46	.33	603232
77	6310	-2.8973	.0664	.97	-.5	.83	-1.7	.91	.90	603233
78	2950	-2.4106	.0575	.89	-3.0	.86	-2.1	.40	.31	603234
79	2956	-.1445	.0410	1.12	7.2	1.14	5.6	.34	.44	603235
80	2950	-2.2835	.0554	.94	-1.9	1.08	1.2	.35	.32	603236
81	2956	-.4780	.0414	.86	-8.8	.81	-7.7	.55	.43	603237
82	2937	-.0596	.0417	1.36	9.9	1.55	9.9	.17	.45	603238
83	2950	-1.0463	.0430	1.02	1.1	.99	-.4	.39	.40	603239
84	2956	-.4490	.0413	.96	-2.8	.92	-3.0	.47	.43	603240
85	2937	-.3651	.0417	.91	-5.6	.87	-4.8	.52	.45	603241
86	6310	-.1035	.0359	.96	-2.5	.91	-3.7	.66	.65	603242
87	6310	-.4705	.0368	1.01	.6	1.00	.1	.70	.70	603243
88	2950	1.0709	.0460	1.26	9.9	1.45	9.9	.18	.40	603244
89	6310	1.8997	.0429	1.11	4.6	1.53	9.9	.37	.40	603245
90	2956	2.9994	.0760	.91	-1.6	1.39	3.2	.33	.28	603246
91	2937	-.9741	.0435	.91	-4.7	.83	-4.9	.49	.42	603247
92	2950	-.2965	.0409	.90	-6.8	.86	-6.2	.51	.43	603248
93	2956	-.0637	.0410	.87	-8.5	.82	-8.2	.55	.44	603249
94	6310	-.2136	.0361	.99	-.5	.96	-1.8	.67	.67	603250
95	2937	-1.3773	.0460	1.21	9.2	1.47	8.8	.21	.39	603251
96	2956	-2.1150	.0540	1.04	1.2	1.24	3.4	.27	.32	603252
97	2937	-1.0680	.0440	.92	-4.3	.93	-1.8	.47	.41	603253
98	2950	-1.8770	.0499	.80	-7.9	.62	-8.2	.53	.35	603254
99	6310	-1.0856	.0398	.86	-7.6	.75	-6.9	.79	.77	603255
100	2956	-1.4468	.0463	.88	-5.4	.80	-4.9	.48	.37	603256
101	2937	-2.8968	.0683	.93	-1.5	.73	-2.9	.33	.26	603257
102	2956	-.5003	.0414	.89	-7.4	.84	-6.4	.53	.43	603258
103	6310	-1.7097	.0455	.90	-3.9	.76	-4.7	.84	.83	603259
104	6310	-1.5180	.0435	.91	-3.7	.78	-4.7	.82	.81	603260
105	2956	1.0511	.0452	.96	-1.7	1.06	1.5	.44	.42	603262
106	2937	.5044	.0429	1.16	8.4	1.24	7.6	.33	.46	603263
107	2950	.5554	.0427	.99	-.4	1.04	1.3	.42	.42	603264
108	2956	-.2641	.0411	.94	-3.6	.92	-3.6	.48	.44	603265

Grade 6

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
109	6310	-.1993	.0361	.93	-4.9	.95	-1.9	.68	.66	603266
110	2937	-.4437	.0419	.87	-8.3	.84	-6.0	.54	.44	603267
111	2956	-1.1105	.0439	.92	-4.4	.83	-5.0	.48	.40	603268
112	2937	-.0787	.0416	.95	-3.4	.91	-3.5	.50	.45	603269
113	2950	-.3686	.0410	.87	-8.9	.82	-7.6	.54	.43	603270
114	2956	-.2372	.0411	.89	-6.9	.85	-6.5	.53	.44	603271
115	6310	-.7442	.0379	.99	-.6	.98	-.6	.73	.73	603272
116	2937	-1.3604	.0459	.85	-7.4	.73	-6.5	.52	.39	603273
117	2950	-.5714	.0413	.95	-3.2	.92	-3.3	.47	.42	603274
118	2956	-.8787	.0427	.78	-9.9	.70	-9.9	.60	.41	603275
119	2937	-1.1522	.0445	1.02	1.2	1.08	1.9	.39	.41	603276
120	2950	-.8972	.0423	.90	-6.1	.82	-6.3	.50	.41	603277
121	6310	-1.2541	.0411	.89	-5.6	.82	-4.4	.80	.78	603278
122	2937	.4186	.0426	.89	-6.6	.87	-5.0	.54	.46	603279
123	2950	-.2262	.0409	.99	-.6	.97	-1.1	.44	.43	603280
124	2956	.8261	.0437	1.05	2.6	1.15	4.4	.37	.43	603281
125	2937	.4586	.0427	1.17	9.2	1.28	9.0	.32	.46	603282
126	2950	-.0317	.0410	.89	-7.4	.86	-5.9	.52	.43	603283
127	2956	-.7530	.0421	.87	-7.9	.83	-6.2	.53	.42	603284
128	2937	-.8840	.0431	1.04	2.4	1.14	3.7	.38	.42	603285
129	2950	-2.4272	.0577	.89	-3.1	.65	-5.5	.43	.31	603286
130	2956	-1.3477	.0455	.98	-.9	1.02	.5	.39	.38	603287
131	2950	.4258	.0422	.98	-1.4	1.02	.8	.44	.42	603288
132	6310	.3243	.0357	1.03	2.4	1.08	3.4	.59	.60	603289
133	2950	-1.8230	.0492	.87	-5.1	.74	-5.6	.48	.36	603290
134	2956	-1.2540	.0448	.95	-2.5	.93	-1.8	.43	.39	603291
135	6310	.2593	.0357	.96	-2.6	.96	-2.0	.61	.61	603292
136	2937	-.7735	.0427	.98	-1.1	.93	-2.0	.45	.43	603293
137	2950	-1.9020	.0502	1.00	.0	.92	-1.6	.36	.35	603294
138	6310	-.2162	.0361	.99	-.8	.95	-1.9	.67	.67	603295
139	2956	.0038	.0411	1.00	.1	1.03	1.3	.43	.44	603296
140	6310	.8834	.0368	1.05	3.1	1.11	4.4	.52	.53	603297
141	2937	-1.6113	.0480	.83	-7.6	.66	-7.1	.52	.37	603298
142	2950	-1.8795	.0499	.79	-8.3	.62	-8.2	.54	.35	603299
143	2950	.9771	.0453	1.05	2.3	1.17	4.4	.35	.41	603300
144	2956	-2.2015	.0553	1.04	1.2	1.19	2.7	.27	.31	603301
145	2937	.2893	.0422	1.08	4.3	1.11	3.8	.40	.46	603302
146	2950	-1.1247	.0434	.96	-2.0	.93	-2.1	.43	.40	603303
147	2956	.4560	.0420	1.22	9.9	1.34	9.9	.24	.44	603304
148	6310	-.2541	.0362	1.02	1.4	1.03	1.3	.67	.67	603305
149	2937	.3717	.0424	1.11	5.9	1.19	6.5	.37	.46	603306
150	2956	-.6403	.0418	1.01	.6	1.03	.9	.41	.42	603307
151	2937	-1.1582	.0445	1.04	1.8	1.01	.2	.39	.41	603308
152	6310	-.1746	.0360	1.05	3.6	1.07	2.9	.65	.66	603309
153	2950	.5010	.0425	1.37	9.9	1.60	9.9	.10	.42	603310
154	2956	.5450	.0424	1.35	9.9	1.54	9.9	.13	.44	603311
155	2950	-1.3466	.0449	.95	-2.4	1.01	.3	.42	.39	603312
156	6310	.5958	.0361	1.01	.5	1.03	1.4	.56	.56	603313
157	2956	-1.3560	.0456	1.07	3.3	1.11	2.6	.32	.38	603314
158	2937	-.6025	.0422	1.03	1.5	1.02	.7	.42	.44	603315
159	2950	-4.2445	.1148	.99	.0	1.47	2.6	.18	.18	603316
160	2956	-.2810	.0411	1.08	5.1	1.12	4.7	.36	.44	603317
161	2937	-.0232	.0417	.90	-6.4	.86	-5.7	.53	.45	603318
162	2950	-.1894	.0409	1.08	4.9	1.07	3.0	.37	.43	603319

Grade 6

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
163	6310	.4318	.0358	.93	-4.9	.93	-3.1	.60	.59	603320
164	2950	-1.5946	.0469	.93	-2.8	.83	-3.9	.44	.37	603321
165	6310	1.5864	.0404	1.06	2.7	1.25	6.2	.42	.44	603322
166	2956	-1.0230	.0434	1.03	1.6	1.12	3.2	.36	.40	603323
167	2937	-2.7336	.0647	.97	-.7	.94	-.6	.31	.28	603324
168	2950	-2.5809	.0605	.95	-1.1	.80	-2.7	.35	.30	603325
169	2956	.0376	.0411	1.18	9.9	1.26	9.9	.28	.44	603326
170	2937	-2.0489	.0530	.85	-4.9	.70	-4.9	.45	.34	603327
171	6310	-.8993	.0387	.96	-2.4	.93	-2.1	.75	.75	603328
172	2950	-2.4541	.0582	.84	-4.3	.70	-4.4	.44	.31	603329
173	2956	-.1411	.0410	1.00	-.1	1.01	.4	.44	.44	603330
174	2937	-.4735	.0419	1.00	-.2	1.02	.7	.44	.44	603331
175	2950	-.0519	.0410	.88	-7.8	.85	-6.6	.53	.43	603332
176	2956	.1666	.0413	1.03	1.7	1.01	.6	.42	.44	603333
177	2937	-.7045	.0425	1.11	6.0	1.13	3.8	.35	.43	603335
178	2950	.1973	.0414	1.05	3.0	1.12	4.6	.38	.43	603336
179	2937	-2.4063	.0584	1.05	1.2	1.36	4.0	.25	.31	603337
180	2950	-.2663	.0409	1.12	7.3	1.18	7.1	.33	.43	603338
181	6310	-1.8272	.0469	1.03	1.0	1.16	2.6	.83	.84	603339
182	2950	2.7786	.0734	1.09	1.5	1.64	5.3	.17	.28	603340
183	2956	-.9484	.0430	.97	-1.8	.93	-2.3	.44	.41	603341
184	2950	.2128	.0415	1.11	6.4	1.18	6.6	.33	.43	603342
185	2956	1.0005	.0448	1.04	1.8	1.20	5.3	.37	.42	603343
186	2937	-.3111	.0417	.93	-4.1	.88	-4.4	.50	.45	603344
187	2950	-.8650	.0422	1.01	.6	.95	-1.5	.41	.41	603345
188	6310	1.1794	.0380	1.04	2.1	1.13	4.4	.48	.49	603346
189	6310	-2.2481	.0530	.91	-2.6	.81	-2.8	.88	.87	603347
190	6310	-.0752	.0359	.93	-5.1	.90	-4.6	.66	.65	603348
191	2956	.1768	.0413	1.12	7.3	1.19	7.6	.33	.44	603349
192	2937	.7921	.0442	.95	-2.5	.93	-2.2	.49	.45	603350
193	2950	.4418	.0422	1.02	1.1	1.03	1.2	.41	.42	603351
194	2956	.7485	.0433	1.06	2.9	1.13	4.1	.37	.43	603352
195	6310	-1.5237	.0435	.92	-3.6	.77	-5.0	.82	.81	603353
196	2950	-2.4008	.0573	1.07	2.0	1.21	2.7	.24	.31	603354
197	2956	-1.9293	.0514	.95	-1.6	.87	-2.4	.38	.34	603355
198	6310	.7826	.0365	1.07	4.4	1.11	4.3	.53	.54	603356
199	2950	-1.1228	.0434	1.12	5.9	1.23	6.3	.29	.40	603357
200	2956	.3368	.0417	.98	-.9	1.00	-.1	.45	.44	603358
201	2937	.1637	.0419	1.21	9.9	1.34	9.9	.29	.46	603359
202	6310	.0158	.0358	.91	-6.3	.88	-5.5	.66	.64	603360
203	2937	-.0492	.0417	.92	-5.3	.91	-3.6	.51	.45	603361
204	2950	.1137	.0412	.98	-1.4	1.05	2.2	.43	.43	603362
205	6310	.0184	.0358	.90	-7.7	.85	-6.9	.66	.64	603363
206	6310	.4036	.0358	.95	-3.2	.95	-2.3	.60	.59	603364
207	2956	-1.9720	.0520	.94	-2.0	.81	-3.3	.39	.33	603365
208	6310	.3946	.0358	1.13	8.5	1.18	7.7	.56	.59	603366
209	2956	-1.2101	.0445	.99	-.5	.93	-1.9	.41	.39	603367
210	2937	-1.8434	.0504	.87	-4.8	.81	-3.3	.45	.36	603368
211	6310	-1.2524	.0411	.90	-5.2	.74	-6.4	.80	.78	603369
212	6310	1.8450	.0425	1.17	7.0	1.59	9.9	.36	.41	603370
213	6310	-.0162	.0358	1.01	.9	1.00	.1	.64	.64	603371
214	6310	2.5804	.0508	1.18	5.3	2.00	9.9	.27	.32	603372
215	6310	-.8473	.0384	.90	-6.2	.85	-4.7	.76	.74	603373
216	2937	-.1602	.0416	1.16	9.3	1.22	7.7	.33	.45	603374

Grade 6

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
217	2950	-1.3912	.0452	.83	-8.2	.75	-6.7	.53	.38	603375
218	2956	-1.6335	.0481	.90	-4.2	.85	-3.2	.45	.36	603376
219	2937	-1.7659	.0496	.88	-4.9	.74	-4.8	.46	.36	603377
220	2937	-.2139	.0416	1.10	6.2	1.12	4.4	.37	.45	603378
221	2950	-2.0533	.0521	.96	-1.3	.85	-2.7	.39	.34	603379
222	2956	-2.1652	.0547	.89	-3.3	.70	-5.0	.42	.31	603380
223	2937	-1.8665	.0507	.95	-1.9	.92	-1.3	.40	.35	603381
224	2950	-1.4953	.0460	.81	-9.1	.70	-7.6	.54	.38	603382
225	2956	-1.0894	.0438	.93	-3.8	.89	-3.2	.46	.40	603383
226	2937	-.4664	.0419	.94	-3.9	.90	-3.6	.49	.44	603384
227	2950	.6945	.0434	.96	-2.1	1.00	.1	.44	.42	603385
228	2937	-2.2561	.0560	.94	-1.7	.86	-1.9	.36	.32	603709
229	2950	-.7106	.0416	1.11	6.7	1.17	5.8	.32	.42	603711
230	6310	-.7499	.0379	1.03	1.7	1.03	.8	.73	.73	603712
231	2956	-1.1727	.0443	.88	-6.2	.82	-4.9	.49	.39	603713
232	2950	-2.0051	.0514	1.02	.5	.90	-1.7	.35	.34	603714
233	2956	-.7211	.0420	.98	-1.4	.94	-2.0	.44	.42	603715
234	2937	-1.4394	.0465	.88	-5.7	.75	-5.5	.49	.39	603716
235	2950	-1.0370	.0430	.86	-8.0	.77	-7.4	.53	.40	603717
236	2956	-.7158	.0420	.89	-7.0	.83	-6.1	.52	.42	603718
237	6310	-.2514	.0362	.98	-1.0	.94	-2.5	.68	.67	603719
238	6310	-.4073	.0366	.89	-7.8	.81	-7.4	.71	.69	603720
239	2937	-.7553	.0426	.94	-3.5	.89	-3.4	.48	.43	603721
240	2950	.2958	.0417	1.03	1.5	1.13	4.6	.39	.43	603722
MEAN	3788.3	-.5695	.0443	1.00	-.3	1.01	.0			
S.D.	1455.9	1.0995	.0082	.11	5.2	.21	5.1			

Grade 7

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
1	2891	-.2843	.0410	1.01	.4	1.01	.4	.40	.41	598848
2	2934	-3.0670	.0737	1.01	.1	.98	-.2	.21	.21	598849
3	6049	-2.4429	.0581	.92	-2.0	.70	-4.3	.89	.88	599913
4	2932	1.3218	.0475	1.39	9.9	1.74	9.9	-.05	.36	599914
5	2934	.5143	.0423	1.03	1.8	1.07	2.7	.38	.42	599917
6	6049	.1074	.0351	1.02	1.2	1.08	3.9	.60	.61	599921
7	2891	-.4712	.0412	.98	-1.3	.97	-1.1	.42	.40	599922
8	2932	-.7581	.0414	.91	-6.0	.86	-5.5	.47	.38	599923
9	2934	.1192	.0410	.93	-4.9	.91	-3.9	.48	.41	599924
10	2932	.6232	.0422	1.13	6.8	1.18	6.5	.26	.39	599925
11	2934	.3785	.0417	1.09	5.4	1.15	5.9	.33	.42	599926
12	2891	-1.1074	.0435	.95	-2.5	.92	-2.2	.41	.37	599927
13	2932	-.7341	.0413	.93	-4.3	.89	-4.3	.45	.38	599928
14	2934	-.4154	.0407	1.09	6.0	1.13	5.1	.32	.40	599929
15	2891	-.0526	.0410	.96	-2.3	.96	-1.9	.44	.41	599930
16	2932	-.7839	.0415	.87	-8.5	.82	-7.4	.51	.37	599931
17	2934	.2733	.0414	1.13	7.7	1.23	9.1	.29	.42	599932
18	2891	.3448	.0419	.97	-1.6	1.00	-.2	.43	.41	599933
19	2932	-.5906	.0409	1.08	5.0	1.09	3.8	.31	.38	599935
20	2891	-1.6018	.0475	.97	-1.4	.96	-.8	.37	.34	599936
21	6049	-1.0169	.0392	.92	-4.3	.90	-2.6	.76	.75	599937
22	6049	3.5735	.0718	1.31	5.1	4.38	9.9	.08	.21	599938
23	2932	-.2523	.0403	1.02	1.2	1.04	1.8	.37	.39	599939
24	2934	-.5772	.0410	.92	-5.5	.90	-3.7	.46	.39	599941
25	2934	-3.2351	.0787	.94	-.9	.80	-2.0	.26	.19	599942
26	2891	-2.0150	.0524	.95	-1.5	.93	-1.3	.35	.30	599943
27	2932	-1.9245	.0514	1.00	-.1	.92	-1.5	.32	.30	599944
28	2932	-.4811	.0406	.93	-4.8	.90	-4.6	.46	.39	599945
29	2934	.2836	.0414	1.04	2.2	1.05	2.0	.38	.42	599946
30	2891	.3325	.0419	.99	-.5	.98	-.9	.42	.41	599947
31	2891	.0622	.0412	.99	-.7	.99	-.5	.42	.41	599948
32	2932	-.7290	.0413	1.06	4.0	1.09	3.5	.31	.38	599949
33	6049	2.1567	.0458	1.15	5.3	1.60	9.9	.30	.35	599950
34	2891	.3536	.0420	1.17	9.3	1.22	8.4	.27	.41	599951
35	2932	-.6831	.0412	1.13	8.0	1.16	6.4	.25	.38	599952
36	2934	-1.4298	.0456	.82	-8.6	.70	-7.7	.51	.34	599953
37	6049	-.6403	.0370	.95	-3.6	.90	-3.6	.72	.70	599954
38	6049	.0741	.0352	1.00	-.1	1.00	-.1	.61	.61	599955
39	2891	1.4148	.0495	1.08	2.8	1.25	5.2	.29	.38	599956
40	2932	-.4022	.0405	.91	-6.8	.89	-5.6	.48	.39	599957
41	6049	-.7895	.0377	.88	-7.5	.83	-5.7	.74	.72	599958
42	2934	.3994	.0418	.95	-2.7	1.00	-.1	.45	.42	599959
43	2891	.2092	.0415	1.13	7.6	1.20	8.0	.30	.41	599960
44	2891	-.5017	.0412	.90	-7.1	.85	-6.2	.49	.40	599961
45	2932	.4759	.0415	1.11	6.3	1.15	5.9	.28	.39	599962
46	2934	.6914	.0432	1.02	1.2	1.08	2.6	.39	.41	599963
47	2891	-1.7920	.0495	.89	-4.2	.79	-4.4	.43	.32	599964
48	2932	-.8675	.0419	.91	-5.8	.87	-4.8	.47	.37	599965
49	6049	1.3497	.0387	1.13	6.4	1.27	8.2	.42	.45	599966
50	2934	.4929	.0422	1.19	9.9	1.22	7.9	.26	.42	599967
51	2934	-2.2617	.0559	.99	-.3	.97	-.4	.29	.27	599968
52	6049	.6808	.0358	.88	-8.8	.87	-6.1	.56	.53	599969
53	2891	-2.4459	.0595	1.02	.6	1.26	3.2	.23	.27	599970
54	2932	.0858	.0405	.98	-1.7	1.00	.0	.41	.40	599971

Grade 7

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
55	2891	-.2893	.0410	.94	-4.4	.95	-2.3	.46	.41	599972
56	2932	-.3973	.0405	1.05	3.5	1.07	3.4	.34	.39	599973
57	2934	-1.0932	.0431	.91	-4.9	.85	-4.3	.45	.36	599974
58	2891	-1.4383	.0459	.93	-3.1	.91	-2.2	.41	.35	599975
59	2891	2.3623	.0642	1.00	.0	1.51	5.7	.28	.33	599976
60	6049	2.9321	.0573	1.05	1.2	1.78	8.7	.24	.27	599977
61	2932	1.8416	.0541	1.07	1.9	1.56	8.8	.21	.33	599978
62	2934	-1.7676	.0490	.88	-4.8	.93	-1.2	.42	.31	599979
63	2891	-.0290	.0411	.85	-9.9	.81	-9.1	.54	.41	599980
64	2934	.1025	.0409	1.04	2.5	1.05	2.1	.38	.41	599981
65	6049	-.6677	.0371	.94	-3.8	.90	-3.3	.72	.71	599982
66	2891	-.0594	.0410	.87	-8.7	.85	-7.0	.52	.41	599983
67	2932	-.8012	.0416	.89	-6.9	.83	-6.9	.49	.37	599984
68	2891	1.0963	.0464	1.03	1.3	1.20	5.1	.35	.40	599985
69	2932	-.2815	.0403	.98	-1.1	.97	-1.5	.41	.39	599986
70	2934	.2613	.0413	.94	-3.9	.94	-2.8	.47	.41	599988
71	2891	-.0762	.0410	.92	-5.5	.88	-5.4	.49	.41	599989
72	2932	-1.4342	.0458	.84	-7.6	.74	-7.2	.50	.34	599990
73	2934	-.7129	.0414	.99	-.5	1.01	.4	.39	.39	599991
74	6049	-.0872	.0353	.92	-6.1	.88	-5.4	.65	.63	599992
75	6049	-.6335	.0369	.97	-2.3	.94	-2.1	.71	.70	599993
76	6049	-.6595	.0371	.97	-2.2	.97	-1.0	.71	.71	599994
77	2932	-.5207	.0407	.92	-5.9	.87	-5.9	.47	.39	599995
78	2934	-1.1062	.0432	.96	-2.2	.93	-2.0	.40	.36	599996
79	6049	-.7995	.0378	.87	-8.2	.80	-6.4	.75	.72	599997
80	2934	.3577	.0416	1.01	.9	1.03	1.1	.40	.42	599998
81	2891	-.9078	.0425	.85	-9.6	.79	-7.5	.52	.38	599999
82	2932	.3818	.0412	1.05	3.3	1.07	3.1	.34	.39	600000
83	2934	-.3707	.0407	1.05	3.3	1.07	2.9	.36	.40	600001
84	2934	-.8691	.0420	.99	-.9	1.07	2.3	.37	.38	600002
85	2891	-.1753	.0410	1.03	1.8	1.05	2.2	.38	.41	600003
86	6049	-1.7977	.0471	.87	-4.5	.65	-6.9	.85	.83	600004
87	2932	-1.6218	.0477	.91	-3.5	.92	-1.9	.40	.32	600005
88	2891	.6153	.0431	1.08	4.0	1.10	3.4	.34	.41	600006
89	2932	.8832	.0438	1.09	4.3	1.17	5.3	.28	.38	600007
90	2934	-1.0562	.0429	1.05	2.9	1.12	3.2	.31	.37	600008
91	6049	1.3527	.0387	1.04	2.2	1.12	3.9	.44	.45	600009
92	2891	-.6991	.0417	1.10	6.5	1.26	8.8	.28	.39	600010
93	6049	.2135	.0351	1.10	7.6	1.14	6.7	.57	.59	600011
94	2932	-.2263	.0403	.98	-1.3	.98	-.9	.41	.39	600012
95	2934	.6229	.0428	1.04	2.2	1.10	3.5	.37	.42	600013
96	2891	-.6247	.0415	.98	-1.3	.99	-.3	.41	.40	600014
97	6049	.2863	.0352	1.09	6.7	1.10	4.9	.57	.58	600015
98	6049	.5602	.0355	1.06	4.0	1.10	4.8	.54	.55	600016
99	2932	.4073	.0413	1.01	.8	1.01	.4	.38	.39	600017
100	2934	.3663	.0417	1.04	2.1	1.05	2.1	.38	.42	600019
101	2891	-.3699	.0410	1.06	3.9	1.06	2.5	.36	.40	600020
102	2891	-.2473	.0410	.92	-5.4	.89	-5.1	.48	.41	600021
103	6049	.4426	.0353	1.08	5.8	1.11	5.0	.55	.56	600022
104	2932	.4483	.0414	1.16	9.2	1.21	8.4	.23	.39	600023
105	6049	1.0866	.0372	.97	-1.6	.97	-1.3	.49	.48	600024
106	2934	.7612	.0436	.93	-3.7	.92	-2.7	.47	.41	600025
107	2891	.3995	.0421	1.02	1.4	1.05	1.8	.39	.41	600026
108	2934	-.8287	.0418	.92	-5.2	.89	-3.6	.45	.38	600027

Grade 7

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
109	2891	-1.4236	.0458	.94	-2.7	.95	-1.2	.40	.35	600028
110	2932	-1.3033	.0447	.85	-7.6	.76	-7.1	.50	.35	600029
111	2934	.3785	.0417	1.15	8.8	1.29	9.9	.26	.42	600030
112	2891	-.8362	.0422	1.02	1.4	1.00	.0	.37	.39	600031
113	6049	-.5577	.0366	1.03	1.8	1.04	1.2	.69	.69	600032
114	2932	-1.4468	.0459	.95	-2.2	.94	-1.6	.39	.34	600033
115	2932	-2.1492	.0547	.91	-2.8	.71	-5.4	.40	.28	600034
116	2934	-1.8432	.0499	.81	-7.2	.71	-5.9	.48	.31	600035
117	6049	-.5137	.0364	.84	-9.9	.78	-8.4	.72	.69	600036
118	2891	-1.2151	.0442	.85	-8.1	.76	-7.1	.50	.36	600037
119	2932	.3462	.0411	1.00	.0	1.00	.2	.39	.39	600038
120	6049	1.2905	.0383	.99	-.8	1.07	2.3	.45	.46	600039
121	2934	-.6228	.0411	.87	-9.0	.84	-6.0	.50	.39	600040
122	6049	.1876	.0351	.90	-7.8	.87	-6.5	.62	.60	600041
123	2891	.9454	.0452	.99	-.5	1.09	2.7	.39	.40	600042
124	2932	-.3581	.0404	.98	-1.5	.96	-2.1	.41	.39	600043
125	6049	.2814	.0351	1.07	5.4	1.08	3.7	.57	.58	600044
126	2934	.0490	.0408	1.03	2.2	1.05	2.3	.38	.41	600045
127	2891	-.3464	.0410	1.02	1.4	1.02	.7	.39	.41	600046
128	2891	.5198	.0426	1.12	6.2	1.15	5.4	.31	.41	600047
129	2932	-.2312	.0403	.93	-4.8	.91	-4.6	.46	.39	600048
130	2934	1.0458	.0457	1.20	8.4	1.42	9.9	.21	.41	600049
131	2891	.6979	.0435	1.09	4.5	1.13	4.4	.33	.41	600050
132	6049	.6603	.0357	1.04	3.0	1.06	2.8	.53	.54	600051
133	2934	-2.6097	.0625	.85	-3.6	.67	-4.5	.39	.24	600052
134	6049	-2.4328	.0579	.97	-.8	.77	-3.1	.88	.88	600053
135	2891	-.5545	.0413	.90	-6.5	.88	-4.9	.48	.40	600054
136	6049	.9772	.0368	.97	-2.2	.96	-1.8	.50	.49	600055
137	2932	-1.5612	.0470	.98	-1.0	1.05	1.1	.34	.33	600056
138	6049	.1777	.0351	.97	-2.6	.97	-1.3	.61	.60	600057
139	2934	-1.0068	.0426	.95	-2.8	.89	-3.2	.42	.37	600058
140	2934	1.4064	.0492	1.06	2.0	1.22	4.7	.33	.40	600059
141	6049	1.6555	.0409	1.20	8.7	1.60	9.9	.35	.41	600060
142	2934	-.3558	.0407	.87	-9.6	.83	-7.5	.52	.40	600061
143	2891	.1902	.0415	1.02	1.6	1.06	2.4	.39	.41	600062
144	2932	-1.9836	.0522	.85	-4.9	.67	-6.7	.46	.30	600063
145	6049	.2468	.0351	1.02	1.8	1.02	1.2	.58	.59	600064
146	2891	.9700	.0454	1.00	.0	1.06	1.8	.39	.40	600065
147	6049	.5716	.0355	.98	-1.7	.97	-1.4	.55	.55	600066
148	6049	2.1359	.0455	.93	-2.5	1.02	.4	.37	.35	600067
149	2932	1.0486	.0450	.94	-3.0	.93	-2.0	.43	.37	600068
150	2934	.5556	.0425	1.05	2.9	1.14	5.0	.36	.42	600069
151	2891	-1.1724	.0439	1.06	3.0	1.11	3.0	.31	.37	600070
152	2932	-1.9673	.0520	.91	-2.9	.76	-4.8	.40	.30	600071
153	2934	-.0704	.0407	.96	-3.1	.93	-2.9	.45	.41	600072
154	2891	-.9733	.0428	.86	-8.3	.79	-7.1	.51	.38	600073
155	6049	.3457	.0352	.94	-4.3	.93	-3.7	.59	.58	600074
156	2932	-.5839	.0409	1.02	1.5	1.03	1.1	.36	.38	600075
157	2934	-.4022	.0407	.89	-7.9	.85	-6.3	.50	.40	600076
158	2891	-.5272	.0413	.89	-7.5	.85	-6.3	.50	.40	600077
159	2891	.7940	.0441	.98	-.8	1.01	.4	.41	.41	600078
160	2932	-.1242	.0403	.98	-1.5	.96	-2.0	.42	.39	600079
161	6049	-.3118	.0358	1.08	5.9	1.12	4.8	.64	.66	600080
162	6049	-1.4822	.0433	.87	-5.4	.70	-6.8	.82	.80	600081

Grade 7

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
163	2934	-.4104	.0407	1.05	3.4	1.03	1.2	.36	.40	600082
164	6049	.3358	.0352	.90	-8.0	.88	-6.2	.60	.58	600083
165	2891	-1.6313	.0478	.94	-2.3	.96	-.8	.38	.33	600084
166	2932	.4604	.0415	1.05	3.2	1.12	4.8	.33	.39	600085
167	2934	-.4453	.0408	.96	-2.9	.94	-2.2	.43	.40	600086
168	2891	-1.2545	.0445	.90	-5.1	.97	-.8	.44	.36	600087
169	2932	-.7615	.0415	.89	-7.2	.85	-6.2	.49	.38	600088
170	6049	-.8038	.0378	1.08	4.8	1.32	8.9	.70	.72	600089
171	6049	-.5177	.0365	1.02	1.4	1.09	3.0	.68	.69	600090
172	2934	-1.3642	.0450	1.06	2.6	1.23	5.0	.28	.34	600091
173	2934	-.8287	.0418	.93	-4.1	.91	-3.1	.44	.38	600092
174	2891	.0453	.0412	1.11	7.2	1.16	6.9	.31	.41	600093
175	2932	.6662	.0424	1.11	5.7	1.17	6.0	.28	.39	600094
176	2934	-1.9795	.0516	1.05	1.7	1.32	4.9	.22	.30	600095
177	6049	-.9486	.0387	1.00	.2	1.01	.4	.74	.74	600096
178	2932	.3648	.0411	1.09	5.6	1.17	7.2	.29	.39	600097
179	2934	-.6822	.0413	1.00	.2	1.03	1.2	.38	.39	600098
180	2891	.7379	.0438	1.06	3.0	1.09	3.0	.35	.41	600099
181	2932	1.2072	.0464	.99	-.3	1.08	2.1	.35	.37	600100
182	2934	1.2499	.0475	1.01	.4	1.10	2.4	.38	.40	600101
183	2934	-1.1721	.0436	.95	-2.8	.88	-3.3	.41	.36	600102
184	2891	-.8148	.0421	1.10	6.0	1.16	5.2	.29	.39	600103
185	6049	.4775	.0354	1.01	.5	1.02	.9	.56	.56	600104
186	2932	-.0154	.0403	.99	-.7	1.01	.5	.40	.40	600105
187	6049	1.0138	.0369	1.11	6.7	1.19	7.2	.46	.49	600106
188	2932	.4966	.0416	1.02	1.4	1.07	3.0	.36	.39	600107
189	2934	.8794	.0444	1.10	4.5	1.29	8.4	.30	.41	600108
190	6049	.1679	.0351	.95	-4.1	.92	-3.8	.61	.60	600109
191	2934	.2613	.0413	1.02	1.0	1.01	.4	.40	.41	600110
192	2891	1.2470	.0478	1.32	9.9	1.67	9.9	.07	.39	600111
193	2934	-.1117	.0406	.95	-3.2	.93	-2.9	.45	.41	600112
194	2932	1.3999	.0483	1.28	9.7	1.76	9.9	.02	.35	600113
195	2891	-1.0528	.0432	.98	-.9	1.02	.7	.39	.37	600114
196	2932	-.8833	.0420	.92	-4.9	.85	-5.7	.46	.37	600115
197	6049	-.1699	.0355	.91	-7.0	.85	-6.7	.66	.64	600116
198	6049	.2258	.0351	.91	-7.1	.88	-6.2	.61	.59	600117
199	6049	.4326	.0353	1.15	9.9	1.24	9.9	.53	.57	600118
200	2932	-1.3173	.0448	.93	-3.3	.89	-3.1	.42	.34	600119
201	2932	-.1517	.0403	1.04	2.6	1.04	2.0	.36	.39	600120
202	2934	.5901	.0427	1.09	4.8	1.17	6.0	.33	.42	600121
203	2891	-.0122	.0411	1.05	3.3	1.05	2.1	.37	.41	600122
204	2932	.1729	.0406	1.00	.1	1.01	.3	.39	.40	600123
205	2891	.4999	.0425	1.31	9.9	1.42	9.9	.13	.41	600125
206	2932	-.7615	.0415	1.14	8.7	1.32	9.9	.21	.38	600126
207	2934	.8072	.0439	1.13	6.3	1.22	6.8	.29	.41	600128
208	6049	.2394	.0351	1.08	6.3	1.08	3.9	.57	.59	600129
209	6049	-2.1812	.0531	.89	-3.2	.65	-5.8	.88	.86	600130
210	2934	.9072	.0446	1.04	1.9	1.14	4.2	.36	.41	600131
211	2891	2.0418	.0582	1.00	.0	1.26	3.7	.32	.35	600132
212	2891	-1.5705	.0472	.87	-5.9	.81	-4.5	.46	.34	600479
213	2932	-1.5087	.0465	.95	-1.9	.86	-3.6	.39	.33	600480
214	2934	-.9276	.0422	.84	-9.9	.76	-8.1	.52	.37	600481
215	2891	-.6247	.0415	.82	-9.9	.76	-9.8	.56	.40	600482
216	6049	.8545	.0363	.91	-6.3	.89	-4.8	.53	.51	600483

Grade 7

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
217	2932	-.2004	.0403	1.01	1.0	1.03	1.4	.38	.39	600484
218	6049	-1.2734	.0412	.94	-2.9	.87	-3.3	.79	.78	600485
219	2932	-1.3782	.0453	.90	-4.7	.83	-4.6	.44	.34	600487
220	2934	.0774	.0409	1.07	4.4	1.09	3.8	.35	.41	600489
221	2891	-.9151	.0425	.88	-7.7	.80	-7.0	.50	.38	600490
222	2932	-.0739	.0403	.90	-7.3	.89	-5.7	.49	.39	600491
223	6049	-.8937	.0384	.91	-5.2	.87	-4.0	.75	.73	600492
224	2934	-1.3805	.0451	.91	-4.2	.87	-3.2	.42	.34	600493
225	2891	-.0442	.0410	1.00	.0	.99	-.3	.41	.41	600494
226	2932	-1.3761	.0453	.85	-7.0	.76	-6.9	.49	.34	600495
227	6049	-.5444	.0366	.82	-9.9	.73	-9.9	.73	.69	600496
228	6049	-.6691	.0371	.82	-9.9	.73	-9.8	.74	.71	600497
229	6049	1.2612	.0382	1.00	.1	1.06	2.2	.46	.46	600498
230	2934	-1.4340	.0456	.87	-6.1	.77	-5.7	.46	.34	600499
231	6049	2.1567	.0458	1.08	2.8	1.46	8.4	.32	.35	600500
232	2891	-.8308	.0422	1.07	4.2	1.22	6.9	.31	.39	600501
233	2934	-2.2185	.0552	.99	-.2	1.01	.2	.28	.28	600502
234	2891	-1.3307	.0451	1.03	1.7	1.05	1.2	.32	.36	600504
235	6049	.0407	.0352	1.14	9.9	1.20	8.8	.59	.62	600505
236	2932	-1.7675	.0493	.86	-5.2	.77	-5.1	.45	.31	600879
237	2932	.2557	.0408	1.05	3.3	1.07	3.2	.34	.40	600880
238	6049	1.1524	.0376	1.22	9.9	1.36	9.9	.42	.47	600881
239	2932	.8150	.0433	1.20	9.9	1.34	9.9	.17	.38	600882
240	2934	-1.2530	.0442	1.03	1.5	1.14	3.4	.32	.35	600883
MEAN	63701.5	-.2306	.0429	1.00	-.5	1.03	.2			
S.D.	61355.4	1.0622	.0062	.10	5.1	.29	5.1			

Grade 8

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
1	6122	.4292	.0356	.94	-4.2	.92	-3.9	.60	.59	598850
2	6122	1.1970	.0376	1.26	9.9	1.40	9.9	.43	.49	598851
3	2945	-1.5305	.0455	.96	-1.8	.89	-2.9	.39	.34	600134
4	2917	-2.6905	.0642	.87	-2.9	.61	-5.4	.40	.26	600135
5	6122	.2583	.0356	.99	-.8	.98	-.9	.61	.61	600136
6	2920	-.3825	.0409	.93	-4.7	.93	-3.1	.47	.41	600139
7	6122	.2709	.0356	1.03	1.9	1.04	1.7	.60	.61	600140
8	2920	.4905	.0422	1.24	9.9	1.27	9.5	.21	.41	600141
9	2945	-.0592	.0405	1.28	9.9	1.40	9.9	.13	.40	600143
10	2917	-.7862	.0420	1.08	4.6	1.14	4.6	.32	.40	600144
11	6122	-1.3255	.0429	.85	-6.8	.76	-5.6	.82	.80	600148
12	6122	-.9480	.0397	1.04	1.9	1.13	3.3	.75	.76	600149
13	2920	.0254	.0409	.87	-9.2	.85	-6.8	.53	.42	600151
14	6122	-.9151	.0395	.81	-9.9	.69	-9.2	.79	.76	600152
15	2945	-1.5764	.0459	.84	-7.4	.72	-7.7	.50	.33	600153
16	2917	-.4526	.0411	.88	-8.4	.85	-6.6	.52	.41	600154
17	2920	-.6702	.0415	.88	-7.9	.84	-6.5	.51	.40	600155
18	2945	-.7915	.0411	.94	-4.2	.88	-4.8	.45	.38	600156
19	2917	.3977	.0419	.94	-3.7	.96	-1.4	.46	.42	600157
20	6122	.1010	.0357	1.00	-.2	.96	-1.7	.63	.63	600158
21	2920	.1938	.0412	.97	-2.0	.96	-1.7	.44	.42	600161
22	2945	.0344	.0406	1.04	2.9	1.07	3.1	.36	.40	600162
23	2917	-.7933	.0420	1.03	1.6	1.04	1.5	.37	.40	600163
24	2920	-1.8082	.0497	.82	-7.1	.67	-7.1	.51	.33	600164
25	6122	-1.0201	.0403	.80	-9.9	.65	-9.9	.80	.77	600165
26	6122	-.6674	.0380	.95	-2.7	.89	-3.5	.74	.73	600166
27	2945	-1.2533	.0433	.88	-6.4	.78	-7.0	.48	.36	600167
28	2917	-1.9612	.0516	.88	-4.3	.74	-5.1	.45	.32	600168
29	2920	-1.0221	.0430	.99	-.8	.92	-2.5	.41	.38	600169
30	2945	-2.0434	.0512	.83	-6.0	.63	-7.9	.48	.30	600170
31	2917	.0666	.0411	.99	-.9	1.01	.3	.43	.42	600171
32	2920	-2.3854	.0582	.84	-4.3	.63	-6.0	.44	.29	600172
33	2920	-2.7411	.0654	.95	-1.1	.74	-3.3	.33	.26	600173
34	2945	-.8491	.0413	.89	-7.1	.84	-6.7	.49	.38	600177
35	2917	-1.5865	.0473	.88	-5.0	.80	-4.5	.46	.35	600178
36	2920	-1.1118	.0435	.91	-4.6	.89	-3.3	.46	.38	600179
37	2945	-1.8417	.0487	.97	-1.2	.92	-1.8	.35	.31	600180
38	2917	-1.7464	.0490	1.05	1.7	1.06	1.2	.30	.34	600181
39	6122	.9425	.0366	1.02	1.6	1.09	3.9	.52	.52	600183
40	2920	-1.6813	.0482	.93	-2.6	.83	-3.8	.41	.34	600185
41	2945	-.3584	.0403	.90	-7.2	.87	-6.2	.49	.40	600187
42	6122	-.0358	.0359	.98	-1.6	.97	-1.2	.65	.65	600189
43	6122	.3291	.0356	1.01	.5	1.00	.0	.60	.60	600191
44	2920	.1633	.0411	.89	-7.6	.86	-6.4	.52	.42	600192
45	2917	-.9057	.0425	.86	-8.2	.84	-5.4	.51	.39	600194
46	2945	-1.5617	.0458	.98	-.9	1.00	.1	.35	.34	600198
47	2917	-.9057	.0425	1.01	.7	1.03	.8	.38	.39	600202
48	2920	.8488	.0441	1.20	9.4	1.31	8.7	.21	.40	600203
49	6122	-1.1671	.0415	.98	-.9	.99	-.1	.78	.78	600204
50	2945	-.7746	.0410	.92	-5.5	.87	-5.3	.47	.38	600205
51	2917	-2.2239	.0555	.86	-4.2	.72	-4.6	.43	.30	600206
52	2920	.2844	.0415	.98	-1.4	.96	-1.6	.44	.42	600207
53	2945	-.0232	.0405	1.03	2.0	1.06	2.8	.37	.40	600208
54	2917	.3313	.0417	1.30	9.9	1.48	9.9	.13	.42	600209

Grade 8

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
55	6122	.4698	.0357	1.11	7.7	1.21	9.7	.56	.58	600210
56	2945	1.0931	.0464	1.16	6.2	1.46	9.9	.19	.38	600211
57	2917	1.3862	.0488	1.21	7.3	1.63	9.9	.15	.38	600212
58	6122	-.2176	.0362	1.05	3.2	1.08	3.3	.66	.67	600215
59	2917	.5563	.0426	1.01	.7	1.10	3.7	.39	.42	600216
60	2920	1.2621	.0475	1.01	.3	1.19	4.3	.35	.39	600217
61	2945	-1.5617	.0458	.85	-7.1	.75	-6.7	.49	.34	600218
62	6122	-.0281	.0358	1.24	9.9	1.38	9.9	.60	.65	600219
63	2917	-.6762	.0416	.92	-4.8	.89	-4.1	.47	.40	600221
64	2917	-.9638	.0428	.91	-5.3	.93	-2.4	.46	.39	600222
65	2920	-1.0036	.0429	1.11	6.1	1.19	5.5	.28	.39	600223
66	6122	.0717	.0357	1.19	9.9	1.31	9.9	.60	.64	600224
67	2920	-.9019	.0424	1.00	.2	.96	-1.2	.39	.39	600225
68	2945	-1.0013	.0419	.87	-8.2	.78	-8.1	.51	.37	600226
69	2917	-1.8828	.0506	.83	-6.2	.71	-5.7	.48	.33	600227
70	2920	.6758	.0431	.96	-2.2	.94	-2.2	.45	.41	600228
71	2945	.0064	.0406	1.04	2.9	1.06	2.9	.36	.40	600229
72	2920	-1.1691	.0439	.94	-3.0	.96	-1.0	.42	.38	600230
73	6122	-.5676	.0375	1.07	4.4	1.35	9.9	.70	.71	600231
74	6122	-.5535	.0375	.80	-9.9	.69	-9.9	.75	.71	600232
75	2945	-2.0329	.0511	.89	-3.6	.74	-5.3	.42	.30	600233
76	2917	1.0114	.0454	.92	-3.7	.91	-2.5	.47	.40	600234
77	2920	-1.5946	.0474	.94	-2.3	.83	-3.9	.41	.35	600235
78	2945	.0228	.0406	.91	-6.4	.88	-6.1	.49	.40	600236
79	2917	-.3701	.0410	.92	-5.4	.88	-5.4	.49	.41	600237
80	2920	-1.2886	.0447	.87	-6.6	.82	-5.0	.49	.37	600238
81	6122	1.6235	.0401	.88	-6.3	.95	-1.5	.46	.44	600239
82	2945	-.0919	.0404	.96	-3.0	.95	-2.2	.44	.40	600240
83	2917	.9043	.0446	1.07	3.4	1.30	8.3	.31	.41	600241
84	2920	-1.2156	.0442	.97	-1.5	.94	-1.7	.41	.37	600242
85	2945	-.8236	.0412	.86	-9.7	.81	-7.7	.52	.38	600243
86	6122	1.5489	.0396	1.01	.6	1.12	3.7	.44	.45	600244
87	2917	.3383	.0417	1.01	.6	1.04	1.4	.40	.42	600245
88	2917	-.7266	.0418	.97	-2.0	.94	-2.2	.43	.40	600246
89	2920	.6004	.0427	.98	-1.0	1.03	1.2	.42	.41	600247
90	6122	.1391	.0356	.87	-9.9	.83	-8.2	.65	.63	600248
91	2945	.4241	.0419	1.05	3.1	1.09	3.5	.34	.40	600249
92	2917	.0162	.0410	.96	-2.5	.94	-2.5	.45	.42	600250
93	2945	.6717	.0432	1.09	4.4	1.11	3.8	.31	.39	600252
94	2917	-.1228	.0409	1.02	1.3	1.01	.6	.40	.42	600253
95	2920	.7225	.0434	1.18	8.7	1.28	8.5	.24	.41	600254
96	2945	.2618	.0412	1.26	9.9	1.34	9.9	.15	.40	600255
97	2917	.0784	.0411	1.15	9.6	1.23	9.3	.28	.42	600256
98	2920	.3102	.0415	1.04	2.2	1.08	3.3	.38	.42	600257
99	6122	-.3963	.0368	.95	-3.1	.98	-.9	.70	.69	600258
100	2945	.7702	.0439	1.30	9.9	1.41	9.9	.10	.39	600259
101	2920	-.4898	.0411	.85	-9.9	.79	-9.1	.55	.41	600260
102	6122	.1937	.0356	.87	-9.8	.85	-7.4	.65	.62	600261
103	2945	.4294	.0419	1.11	5.8	1.16	6.2	.29	.40	600262
104	2920	2.5659	.0681	.86	-2.9	1.03	.4	.39	.30	600263
105	6122	1.9905	.0431	1.32	9.9	2.13	9.9	.30	.39	600264
106	6122	1.7824	.0413	1.15	6.6	1.65	9.9	.37	.42	600265
107	2920	-3.0936	.0742	.98	-.3	.81	-1.9	.27	.23	600266
108	2945	-.4592	.0404	.88	-8.8	.84	-7.7	.51	.39	600267

Grade 8

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
109	2917	-2.0708	.0531	.83	-5.5	.67	-6.1	.47	.31	600268
110	6122	.2304	.0356	.93	-5.3	.91	-4.6	.63	.62	600270
111	2945	-.4739	.0404	1.00	-.3	.99	-.4	.40	.39	600272
112	2917	-.6554	.0416	.99	-.6	.99	-.4	.41	.40	600274
113	2920	.1076	.0410	1.04	2.4	1.08	3.5	.38	.42	600275
114	2945	-.3211	.0403	.85	-9.9	.81	-9.9	.55	.40	600279
115	2917	-.4982	.0412	.95	-3.3	.92	-3.5	.46	.41	600280
116	6122	-.5873	.0376	.89	-6.9	.85	-5.2	.74	.72	600281
117	6122	1.0894	.0372	1.23	9.9	1.36	9.9	.45	.50	600282
118	2917	-3.3280	.0813	.97	-.5	.68	-3.1	.26	.21	600287
119	2920	-2.0657	.0530	.99	-.4	.99	-.2	.33	.31	600288
120	2945	.9484	.0452	.93	-3.0	.88	-3.5	.45	.38	600289
121	6122	.6230	.0358	.91	-6.4	.92	-4.1	.58	.56	600292
122	2917	-.0626	.0409	.98	-1.6	.96	-1.8	.44	.42	600297
123	6122	-.9010	.0394	1.08	4.0	1.12	3.1	.74	.75	600298
124	2920	.3795	.0418	.99	-.9	1.07	2.7	.41	.41	600299
125	2945	-.8679	.0414	1.01	.9	1.03	1.0	.36	.38	600300
126	2945	-1.4470	.0448	.98	-.8	.94	-1.7	.37	.34	600301
127	2917	.4382	.0421	.92	-4.7	.94	-2.4	.48	.42	600302
128	2920	-1.2607	.0445	1.02	1.1	.99	-.3	.36	.37	600303
129	2945	1.3988	.0496	1.16	5.5	1.37	7.4	.18	.36	600304
130	2917	-1.1224	.0437	.88	-6.4	.81	-5.8	.49	.38	600305
131	6122	.0794	.0357	.98	-1.2	.99	-.6	.64	.63	600306
132	2920	.2655	.0414	1.17	9.9	1.22	8.4	.27	.42	600307
133	6122	.9707	.0367	1.38	9.9	1.58	9.9	.43	.52	600309
134	2945	.9119	.0449	1.23	9.6	1.42	9.9	.15	.39	600310
135	2917	1.1420	.0464	1.01	.2	1.07	1.8	.38	.40	600311
136	2920	.1989	.0412	1.05	3.3	1.05	1.9	.37	.42	600312
137	6122	.9559	.0367	1.10	6.3	1.17	6.8	.50	.52	600313
138	2945	.3666	.0416	1.05	3.1	1.07	3.0	.35	.40	600314
139	2917	1.0633	.0458	1.09	4.0	1.22	5.6	.30	.40	600315
140	2920	.2620	.0414	1.11	6.9	1.16	6.2	.31	.42	600316
141	6122	.6501	.0359	1.04	2.6	1.06	2.6	.55	.56	600317
142	2917	-1.6455	.0479	1.00	.1	.95	-1.1	.35	.35	600318
143	6122	.1721	.0356	.91	-6.7	.89	-5.2	.64	.62	600319
144	2920	-1.1308	.0436	.95	-2.7	.88	-3.7	.43	.38	600320
145	2945	-1.0048	.0419	1.02	.9	1.02	.9	.35	.37	600321
146	6122	.2633	.0356	1.04	3.3	1.06	2.6	.60	.61	600322
147	2917	-1.0043	.0430	.96	-2.5	.95	-1.4	.42	.39	600323
148	2920	-2.9827	.0712	.84	-3.0	.55	-5.6	.40	.24	600324
149	2945	.4488	.0420	1.11	6.1	1.20	7.3	.28	.40	600325
150	2917	.7681	.0437	1.05	2.5	1.14	4.3	.35	.41	600326
151	2920	.7508	.0435	1.08	4.2	1.22	6.9	.31	.41	600328
152	2945	.5181	.0423	.90	-5.6	.88	-4.6	.49	.40	600329
153	2917	.2794	.0415	1.07	4.2	1.07	3.0	.36	.42	600330
154	6122	.4647	.0356	1.01	.7	1.03	1.4	.58	.59	600332
155	2920	.1228	.0411	.94	-3.7	.91	-3.8	.47	.42	600333
156	2945	.5741	.0426	.97	-1.9	1.00	-.1	.42	.40	600334
157	6122	.9211	.0366	.89	-7.3	.85	-6.7	.55	.53	600335
158	2920	-1.2058	.0441	.89	-5.5	.83	-4.8	.47	.37	600337
159	2945	-2.0019	.0507	1.02	.8	1.05	1.0	.28	.30	600338
160	6122	1.8167	.0416	1.12	5.3	1.42	9.9	.38	.41	600340
161	2917	1.1441	.0464	.91	-4.0	1.03	.8	.45	.40	600341
162	2917	.3418	.0417	.96	-2.6	1.00	-.1	.45	.42	600342

Grade 8

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
163	2920	-1.1594	.0438	1.09	4.3	1.13	3.5	.30	.38	600343
164	2945	-.5147	.0404	.84	-9.9	.78	-9.9	.55	.39	600344
165	2917	.1716	.0413	.88	-8.1	.87	-5.5	.52	.42	600345
166	2920	-1.9302	.0512	.83	-6.3	.67	-6.8	.49	.32	600346
167	6122	.7302	.0361	.96	-2.6	.95	-2.3	.56	.55	600347
168	6122	-2.2073	.0551	.88	-3.1	.58	-6.7	.89	.87	600348
169	2945	-.1441	.0404	.93	-5.0	.92	-4.1	.47	.40	600349
170	2917	-.7370	.0418	.97	-1.9	.93	-2.5	.43	.40	600350
171	6122	.3899	.0356	1.03	2.4	1.02	1.1	.59	.59	600351
172	2920	.0354	.0409	1.08	5.3	1.13	5.5	.34	.42	600352
173	2945	-.7763	.0410	.99	-.7	.96	-1.6	.40	.38	600353
174	2917	-.9365	.0427	.92	-4.6	.95	-1.7	.46	.39	600354
175	2920	-.0397	.0408	1.05	3.0	1.05	2.4	.37	.42	600355
176	2945	-2.0724	.0516	.89	-3.7	.70	-6.1	.43	.30	600356
177	2917	-.6762	.0416	1.24	9.9	1.35	9.9	.19	.40	600357
178	6122	-.2797	.0364	1.00	-.2	.96	-1.4	.68	.68	600358
179	2917	2.0053	.0570	1.41	9.8	2.55	9.9	-.10	.34	600359
180	6122	-.2045	.0362	1.02	1.1	.97	-1.4	.67	.67	600360
181	2920	.0455	.0409	.95	-3.2	.96	-1.8	.46	.42	600361
182	2945	.2977	.0414	.89	-7.2	.87	-5.7	.51	.40	600362
183	6122	.1582	.0356	.88	-9.6	.83	-8.2	.65	.62	600363
184	6122	.2798	.0356	1.09	6.6	1.10	4.5	.59	.61	600364
185	2917	-.0860	.0409	.89	-8.0	.85	-6.7	.52	.42	600365
186	2920	.3378	.0416	.89	-7.2	.89	-4.6	.51	.42	600366
187	2945	.9484	.0452	.98	-1.0	1.08	2.2	.39	.38	600367
188	6122	.4825	.0357	1.08	6.0	1.09	4.4	.57	.58	600368
189	6122	1.0181	.0369	.89	-6.9	.88	-4.9	.54	.51	600369
190	6122	1.3280	.0383	1.09	5.1	1.22	7.0	.45	.47	600370
191	2920	-.3524	.0409	.85	-9.9	.80	-9.2	.55	.41	600371
192	2945	.7491	.0437	.98	-.9	1.04	1.2	.40	.39	600372
193	2917	.4224	.0420	1.12	6.6	1.21	7.6	.30	.42	600373
194	2920	.0405	.0409	1.16	9.9	1.23	9.6	.27	.42	600374
195	2945	.2806	.0413	1.05	3.0	1.05	2.2	.36	.40	600375
196	2917	.3348	.0417	1.06	3.8	1.07	2.6	.36	.42	600376
197	2920	.8998	.0445	1.26	9.9	1.45	9.9	.15	.40	600377
198	2945	.2262	.0411	1.01	.5	1.04	1.7	.39	.40	600378
199	2920	-1.0686	.0433	.95	-2.7	.92	-2.5	.43	.38	600379
200	2945	.0591	.0407	.99	-.6	1.00	-.2	.41	.40	600380
201	2917	-1.7155	.0487	.89	-4.4	.79	-4.6	.45	.34	600381
202	6122	-1.9450	.0507	.93	-2.0	.75	-4.2	.86	.85	600382
203	2920	-.3925	.0409	.99	-.7	.99	-.3	.42	.41	600383
204	6122	-.8917	.0394	.85	-8.7	.78	-6.4	.78	.75	600384
205	6122	-1.1879	.0416	.94	-2.7	.86	-3.4	.79	.78	600385
206	2917	-1.7999	.0496	.87	-4.9	.69	-6.5	.47	.33	600386
207	2920	-1.0592	.0432	1.08	4.4	1.25	7.0	.29	.38	600387
208	6122	-1.3053	.0427	.80	-9.4	.62	-9.5	.83	.80	600388
209	2945	-.1750	.0403	1.15	9.9	1.21	9.4	.25	.40	600389
210	2917	.8103	.0439	.94	-3.1	.95	-1.6	.46	.41	600390
211	2945	1.2836	.0483	1.12	4.5	1.36	7.6	.21	.37	600391
212	2917	1.8497	.0546	1.15	4.2	1.84	9.9	.15	.35	600392
213	2920	1.2598	.0475	1.02	1.0	1.25	5.5	.33	.39	600393
214	2945	-.0740	.0404	.96	-2.8	.93	-3.2	.45	.40	600394
215	2917	.7814	.0438	1.01	.5	1.07	2.3	.39	.41	600395
216	2920	2.1609	.0598	.91	-2.2	1.18	2.5	.36	.33	600396

Grade 8

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
217	2920	-.0397	.0408	1.05	3.4	1.06	2.8	.37	.42	600506
218	2917	-.7074	.0417	.87	-8.1	.86	-5.4	.51	.40	600507
219	2920	-.2758	.0408	.92	-5.7	.90	-4.5	.49	.41	600509
220	6122	-.4660	.0371	.89	-7.5	.80	-7.4	.73	.70	600510
221	2945	1.0524	.0461	.97	-1.2	1.09	2.3	.39	.38	600511
222	2917	-.1411	.0409	1.15	9.6	1.19	7.8	.28	.42	600512
223	2920	-.3257	.0408	1.01	.4	.98	-.8	.41	.41	600513
224	6122	-1.2889	.0426	.96	-1.8	.86	-3.1	.80	.79	600514
225	2945	-.2578	.0403	.98	-1.6	.96	-1.7	.42	.40	600515
226	2917	-1.2447	.0445	1.05	2.3	1.12	3.0	.32	.37	600517
227	2920	-.1196	.0408	1.01	.6	1.00	.1	.41	.41	600518
228	6122	-1.4333	.0440	.82	-7.8	.60	-9.5	.84	.81	600519
229	2945	.9199	.0450	1.11	4.7	1.16	4.6	.28	.39	600520
230	2945	-.9315	.0416	1.02	1.0	1.03	1.2	.36	.38	600522
231	2917	-2.1224	.0539	.93	-2.0	.93	-1.2	.37	.31	600523
232	2920	.8081	.0439	1.43	9.9	1.73	9.9	-.01	.40	600524
233	2945	-.5343	.0405	1.08	5.2	1.14	6.1	.31	.39	600525
234	6122	-1.6789	.0469	.83	-6.3	.59	-8.5	.86	.83	600526
235	2917	-.5919	.0414	1.15	8.9	1.30	9.9	.26	.41	600528
236	2945	-.6877	.0408	.91	-6.3	.88	-5.2	.47	.39	603724
237	2917	-.1161	.0409	.97	-2.0	.96	-1.6	.44	.42	603725
238	2920	-.9163	.0425	.90	-6.3	.84	-5.3	.49	.39	603726
239	2945	-.1652	.0403	1.12	8.1	1.14	6.6	.28	.40	603727
240	6122	.4051	.0356	.94	-4.7	.91	-4.3	.61	.59	603728
MEAN	3726.0	-.2530	.0430	.99	-.6	1.01	-.1			
S.D.	1383.4	1.0521	.0064	.12	5.5	.25	5.6			

Grade 11

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
1	6104	.8471	.0381	1.12	7.6	1.20	8.2	.51	.54	598853
2	2558	-.6004	.0436	.92	-5.3	.88	-4.6	.46	.38	600397
3	2596	.0793	.0434	1.15	8.5	1.19	7.7	.28	.41	600399
4	6104	1.0980	.0393	.96	-2.3	.98	-.6	.51	.51	600402
5	2537	1.6678	.0562	1.12	3.4	1.34	5.8	.22	.36	600403
6	2558	1.9912	.0618	.90	-2.6	1.00	.0	.42	.36	600404
7	2558	1.8446	.0593	1.06	1.6	1.30	4.5	.28	.36	600405
8	2596	-.2871	.0432	.93	-4.9	.91	-3.9	.47	.41	600406
9	2596	-.8754	.0447	.93	-4.0	.92	-2.5	.44	.38	600410
10	2537	.6888	.0464	.99	-.3	1.03	.9	.40	.41	600411
11	2558	.6748	.0463	.95	-2.6	.95	-1.8	.45	.41	600412
12	2537	.5954	.0458	1.00	.1	1.07	2.3	.39	.41	600415
13	2596	.5975	.0453	1.02	.9	1.12	3.9	.38	.41	600417
14	2537	-.5155	.0437	.91	-6.1	.86	-5.7	.48	.39	600418
15	2558	-.5719	.0436	1.03	1.8	1.02	.6	.36	.38	600419
16	2596	.8478	.0469	1.23	9.8	1.31	8.5	.20	.41	600420
17	6104	.4266	.0371	.94	-5.0	.94	-2.9	.61	.60	600421
18	2537	-.1863	.0434	.97	-1.8	.94	-2.5	.43	.40	600422
19	2596	-.1902	.0432	.99	-.4	1.00	.1	.41	.41	600530
20	2537	-.5690	.0438	1.05	3.3	1.09	3.3	.33	.39	600531
21	2558	-.1123	.0433	1.17	9.9	1.22	8.8	.24	.40	600532
22	2596	1.7982	.0572	1.14	3.8	1.44	6.7	.20	.36	600533
23	2596	.9278	.0475	.97	-1.4	1.05	1.3	.42	.40	600535
24	2537	-.3825	.0435	1.00	.3	1.02	1.0	.39	.39	600536
25	2558	.0537	.0436	1.00	-.2	1.02	.7	.40	.40	600537
26	2558	.4079	.0448	.87	-7.4	.83	-6.9	.53	.41	600539
27	6104	.1492	.0369	.95	-4.3	.94	-2.7	.65	.64	600540
28	2596	.4740	.0447	1.05	2.9	1.11	4.0	.36	.41	600541
29	2558	.6920	.0464	1.17	7.4	1.23	7.0	.25	.41	600542
30	2596	-.2628	.0432	1.10	6.3	1.15	5.8	.31	.41	600543
31	2537	.8539	.0475	1.25	9.9	1.33	9.2	.16	.40	600544
32	6104	1.0689	.0391	1.15	8.2	1.23	8.3	.48	.51	600545
33	6104	1.1166	.0394	.99	-.3	1.02	1.0	.50	.50	600549
34	2558	.9683	.0485	1.15	5.9	1.30	7.7	.25	.40	600550
35	2596	-.4141	.0433	.90	-7.0	.84	-6.7	.50	.40	600551
36	6104	-.2576	.0376	.89	-8.3	.83	-7.1	.71	.69	600552
37	2537	.9270	.0481	.92	-3.5	.88	-3.7	.48	.40	600553
38	2558	1.8271	.0590	1.25	6.3	1.68	9.4	.09	.37	600554
39	2596	.9346	.0475	1.20	8.3	1.37	9.5	.20	.40	600555
40	6104	2.4684	.0530	1.13	3.7	1.47	7.2	.29	.34	600556
41	6104	.8938	.0383	1.15	9.1	1.24	9.4	.50	.53	600557
42	2558	-2.0820	.0564	.86	-4.4	.68	-5.6	.43	.28	600558
43	2596	.1875	.0437	1.28	9.9	1.39	9.9	.15	.42	600559
44	2537	-1.0193	.0456	.96	-2.2	.89	-3.3	.41	.36	600561
45	2558	-2.1402	.0573	.95	-1.4	.83	-2.6	.34	.28	600562
46	6104	-.3951	.0381	.87	-9.9	.80	-8.0	.74	.71	600563
47	2558	.5964	.0458	1.06	2.9	1.05	1.8	.36	.41	600565
48	6104	.1464	.0369	.94	-5.3	.91	-4.5	.65	.64	600568
49	2596	-.0671	.0432	1.22	9.9	1.30	9.9	.21	.41	600569
50	2596	-.5138	.0435	1.01	.9	.99	-.6	.39	.40	600571
51	6104	.1587	.0369	.93	-5.7	.92	-3.9	.65	.63	600572
52	2537	-.3447	.0435	1.13	8.3	1.20	8.0	.26	.40	600573
53	2558	.2090	.0440	1.07	3.9	1.09	3.7	.34	.41	600574
54	2537	-.3032	.0434	.96	-2.8	.97	-1.5	.44	.40	600575

Grade 11

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
55	2558	-1.3908	.0479	.93	-3.1	.85	-3.7	.41	.33	600576
56	6104	.5870	.0373	.98	-1.7	1.00	-.1	.58	.58	600577
57	2537	.0336	.0437	.88	-7.8	.86	-6.8	.52	.41	600578
58	2537	.4795	.0452	1.11	5.4	1.13	4.6	.31	.41	600579
59	2558	-.4718	.0434	.90	-6.6	.87	-5.1	.48	.39	600580
60	6104	1.2155	.0399	1.10	5.4	1.13	4.5	.47	.49	600581
61	2596	.9939	.0480	1.36	9.9	1.66	9.9	.05	.40	600582
62	2537	-.8644	.0448	1.00	.2	.96	-1.3	.37	.37	600583
63	6104	1.0689	.0391	1.07	3.7	1.16	5.8	.49	.51	600584
64	2537	.6080	.0459	1.01	.3	1.04	1.4	.40	.41	600587
65	2537	-1.1310	.0463	.90	-5.5	.82	-5.4	.46	.35	600590
66	2558	.3027	.0443	.90	-6.1	.88	-4.8	.50	.41	600591
67	6104	-.6245	.0391	.90	-6.7	.84	-5.6	.76	.74	600592
68	2596	-.1976	.0432	.82	-9.9	.78	-9.9	.57	.41	600593
69	6104	-.3017	.0378	.98	-1.3	.98	-.8	.70	.70	600594
70	2537	-.4450	.0436	.80	-9.9	.74	-9.9	.59	.39	600595
71	2558	-1.1377	.0460	.91	-4.6	.81	-5.4	.45	.35	600596
72	6104	-.1314	.0373	.82	-9.9	.76	-9.9	.71	.67	600597
73	2596	-1.1726	.0464	.85	-7.6	.77	-6.3	.50	.36	600598
74	2537	-.9986	.0455	.90	-6.0	.83	-5.4	.47	.36	600599
75	6104	.4279	.0371	.98	-1.3	1.00	.2	.60	.60	600600
76	2558	.7992	.0471	1.17	7.4	1.24	6.8	.24	.41	600601
77	2537	-.1221	.0435	.86	-9.1	.83	-7.9	.53	.40	600602
78	2558	-.3293	.0433	1.08	5.1	1.08	3.2	.32	.39	600603
79	2596	-.5063	.0435	.96	-2.6	.93	-2.6	.44	.40	600604
80	2537	.1855	.0441	.99	-.5	.99	-.6	.42	.41	600605
81	2558	.9262	.0481	1.06	2.3	1.11	3.1	.34	.40	600606
82	2596	.2970	.0440	.93	-4.1	.93	-2.6	.47	.42	600607
83	2537	.7913	.0470	.91	-4.0	.93	-2.3	.47	.40	600608
84	2558	1.0665	.0494	1.35	9.9	1.51	9.9	.07	.40	600610
85	6104	2.1347	.0483	.94	-1.9	1.05	1.1	.38	.37	600611
86	2558	1.2964	.0518	.92	-3.0	.85	-3.5	.47	.39	600613
87	2558	1.5641	.0551	1.07	2.0	1.21	3.7	.30	.38	600614
88	2596	1.6745	.0554	1.17	4.8	1.49	7.8	.19	.37	600615
89	2537	-.3882	.0435	1.07	4.7	1.10	4.1	.32	.39	600616
90	2558	-.3499	.0433	.97	-1.9	.95	-1.9	.42	.39	600617
91	2596	1.1697	.0495	1.10	3.8	1.12	2.9	.31	.40	600618
92	6104	-.3274	.0378	1.02	1.2	1.13	4.9	.69	.70	600619
93	6104	1.1743	.0397	.98	-1.2	.98	-.6	.50	.50	600623
94	2558	.0480	.0436	.85	-9.9	.80	-8.9	.55	.40	600625
95	2537	-1.9049	.0542	1.06	2.0	1.41	6.4	.20	.29	600626
96	2558	-1.5155	.0491	.97	-1.2	.92	-1.6	.36	.33	600627
97	2596	.9985	.0480	1.10	4.2	1.15	4.0	.31	.40	600628
98	2537	-.6635	.0440	.82	-9.9	.76	-9.8	.56	.38	600629
99	6104	.8413	.0381	1.07	4.7	1.14	5.8	.52	.54	600630
100	2558	.1627	.0439	.86	-9.1	.83	-7.3	.54	.41	600632
101	2596	-.8041	.0443	.91	-5.3	.87	-4.2	.47	.39	600633
102	6104	-.5396	.0387	.83	-9.9	.77	-8.6	.76	.73	600634
103	2537	-.3334	.0435	.92	-5.1	.90	-4.4	.47	.40	600635
104	2596	.0605	.0434	.91	-5.8	.88	-5.2	.50	.41	600636
105	2537	.4368	.0450	.94	-3.3	.92	-3.1	.46	.41	600637
106	2558	-.2358	.0432	.85	-9.9	.82	-7.9	.53	.40	600638
107	6104	.4954	.0372	1.12	8.9	1.16	7.6	.56	.59	600639
108	2596	-.5574	.0436	.94	-3.7	.92	-3.1	.45	.40	600641

Grade 11

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
109	2537	.4066	.0449	1.01	.7	1.06	2.5	.39	.41	600642
110	2537	.4959	.0453	1.33	9.9	1.46	9.9	.09	.41	600643
111	2558	.6599	.0462	1.01	.7	1.08	2.5	.38	.41	600645
112	2558	.1377	.0438	.98	-1.2	1.02	.7	.42	.41	600647
113	2596	-.8714	.0446	.85	-9.2	.77	-7.6	.53	.38	600648
114	2558	.0480	.0436	1.02	1.5	1.03	1.3	.38	.40	600650
115	2596	-.1622	.0432	1.01	.4	1.00	-.2	.41	.41	600652
116	6104	.0795	.0370	.88	-9.7	.84	-8.0	.67	.65	600653
117	2537	1.4095	.0529	1.29	9.1	1.70	9.9	.06	.38	600654
118	6104	-.3763	.0380	1.04	3.2	1.29	9.8	.69	.71	600656
119	2537	.8697	.0476	.95	-2.3	.99	-.2	.44	.40	600658
120	2558	1.4663	.0538	1.12	3.7	1.26	5.0	.26	.38	600659
121	2596	-.6030	.0437	.80	-9.9	.73	-9.9	.58	.40	600660
122	2537	-.0406	.0436	.95	-3.3	.93	-3.3	.46	.40	600663
123	2596	.1153	.0435	.86	-8.7	.83	-7.7	.54	.41	600665
124	2537	-.4716	.0436	.99	-.4	.99	-.5	.40	.39	600666
125	2558	.7245	.0466	1.08	3.5	1.11	3.4	.33	.41	600667
126	2596	-.4573	.0434	.95	-3.3	.94	-2.3	.45	.40	600668
127	2537	.3128	.0445	1.00	.3	1.01	.4	.40	.41	600670
128	2596	.0529	.0434	.97	-1.9	.97	-1.4	.44	.41	600672
129	2537	-.3712	.0435	1.23	9.9	1.34	9.9	.17	.39	600673
130	6104	.8791	.0383	.98	-1.2	.99	-.3	.54	.54	600674
131	2558	1.2018	.0507	1.08	3.0	1.27	5.9	.29	.39	600675
132	2596	-.7474	.0441	.89	-7.1	.85	-5.1	.49	.39	600677
133	6104	.3799	.0370	.93	-5.6	.92	-4.1	.62	.60	600678
134	2596	.4401	.0446	1.04	2.1	1.04	1.4	.38	.41	600679
135	2537	-.9575	.0452	.86	-8.3	.80	-6.6	.50	.36	600680
136	6104	1.6302	.0430	.95	-2.2	.92	-2.3	.45	.44	600681
137	6104	.4060	.0370	1.05	3.5	1.06	2.7	.59	.60	600682
138	2558	2.0456	.0628	1.08	2.0	1.44	5.6	.23	.35	600683
139	2596	1.2648	.0505	.96	-1.3	1.06	1.3	.41	.39	600684
140	2537	-.8664	.0448	.98	-1.2	1.00	.0	.38	.37	600685
141	2558	1.0960	.0497	1.10	3.6	1.23	5.4	.30	.40	600686
142	6104	-1.0022	.0417	.86	-7.5	.74	-7.3	.81	.78	600689
143	2596	-.6604	.0438	.90	-6.4	.84	-5.9	.49	.39	600690
144	2537	1.0521	.0491	.98	-.7	.95	-1.3	.41	.39	600691
145	2558	-.3611	.0433	.88	-8.3	.83	-7.1	.51	.39	600693
146	2596	-1.0731	.0457	.90	-5.6	.79	-6.1	.48	.37	600694
147	2558	-.9540	.0449	1.08	4.6	1.12	3.3	.28	.36	600695
148	6104	.6683	.0376	.92	-5.8	.91	-4.1	.58	.56	600696
149	6104	.9484	.0385	.96	-2.5	.95	-2.0	.54	.53	600697
150	2537	-.0463	.0436	.85	-9.9	.81	-9.2	.55	.40	600699
151	2558	-.5511	.0435	.83	-9.9	.79	-8.4	.54	.39	600702
152	2558	-.4944	.0434	.88	-8.3	.83	-6.8	.50	.39	600703
153	2596	-.6183	.0437	.86	-9.4	.86	-5.1	.52	.39	600704
154	2537	.1083	.0439	.85	-9.2	.81	-8.8	.55	.41	600705
155	6104	.4128	.0371	.88	-9.8	.84	-8.3	.63	.60	600706
156	2596	.7333	.0461	1.12	5.7	1.29	8.4	.27	.41	600707
157	2596	-.3449	.0432	.79	-9.9	.75	-9.9	.59	.41	600708
158	6104	-.3850	.0380	.90	-7.7	.82	-7.2	.73	.71	600709
159	2596	.5485	.0451	1.32	9.9	1.51	9.9	.10	.41	600710
160	6104	.5647	.0373	1.18	9.9	1.26	9.9	.54	.58	600711
161	6104	.4486	.0371	1.17	9.9	1.26	9.9	.56	.59	600714
162	2596	.4282	.0445	1.02	1.2	1.07	2.5	.39	.41	600715

Grade 11

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
163	2537	.1545	.0440	.97	-1.6	.97	-1.5	.43	.41	600718
164	2596	1.6992	.0558	.95	-1.4	1.05	.9	.39	.37	600719
165	6104	.3553	.0370	1.05	3.7	1.04	1.9	.60	.61	600720
166	2537	1.8022	.0583	1.13	3.5	1.49	7.3	.18	.35	600721
167	6104	1.2539	.0402	1.02	1.3	1.01	.4	.48	.49	600722
168	2537	1.1405	.0500	1.03	1.0	1.04	.9	.37	.39	600723
169	2558	-.5416	.0435	.93	-5.0	.89	-4.3	.46	.39	600724
170	2558	-.3817	.0433	.98	-1.5	.96	-1.7	.41	.39	600725
171	2596	-.4498	.0434	.86	-9.1	.82	-7.3	.53	.40	600726
172	6104	.6458	.0375	.94	-4.3	.94	-2.6	.58	.57	600727
173	2537	-.2410	.0434	.88	-8.5	.83	-7.8	.52	.40	600728
174	2537	.3446	.0446	.89	-6.2	.85	-6.3	.51	.41	600730
175	6104	-.3417	.0379	.90	-7.4	.85	-6.2	.72	.70	600731
176	2558	-.4380	.0433	.95	-3.6	.94	-2.4	.44	.39	600732
177	6104	-.5142	.0386	.91	-5.9	.92	-3.0	.74	.72	600733
178	2558	-1.6164	.0502	.95	-1.8	.87	-2.8	.37	.32	600735
179	2596	-1.6326	.0505	.86	-5.6	.76	-5.2	.46	.33	600736
180	2537	-.7062	.0442	.83	-9.9	.78	-8.6	.54	.38	600737
181	6104	.8282	.0381	1.11	7.0	1.12	4.9	.52	.54	600739
182	2596	.4006	.0444	.87	-7.5	.84	-6.6	.53	.41	600740
183	6104	.6010	.0374	.97	-1.8	.94	-2.8	.58	.57	600741
184	6104	1.0781	.0392	.93	-4.1	.92	-3.2	.52	.51	600743
185	6104	.0357	.0370	.98	-1.6	.95	-2.4	.66	.65	600744
186	6104	.7835	.0379	1.14	8.8	1.22	9.4	.52	.55	600745
187	6104	.1942	.0369	.82	-9.9	.78	-9.9	.67	.63	600746
188	2537	1.2581	.0512	1.17	5.9	1.25	5.5	.22	.39	600747
189	6104	-.1439	.0373	.89	-8.4	.86	-6.4	.70	.68	600748
190	2537	-.9596	.0453	.87	-7.6	.81	-6.5	.49	.36	600751
191	2558	.2032	.0440	.92	-5.1	.87	-5.4	.49	.41	600753
192	2596	-.4197	.0433	.94	-4.0	.92	-3.4	.46	.40	600754
193	6104	.8485	.0381	.91	-5.7	.89	-5.1	.56	.54	600755
194	6104	1.9416	.0460	.93	-2.6	1.00	.1	.41	.40	600756
195	2596	.9233	.0474	1.10	4.1	1.20	5.4	.30	.40	600757
196	2537	-.2466	.0434	.96	-2.4	.93	-3.0	.44	.40	600758
197	2558	.2595	.0442	.89	-6.4	.85	-6.3	.51	.41	600759
198	2558	-.0409	.0434	1.04	2.4	1.04	1.6	.37	.40	600760
199	2596	2.6084	.0733	1.10	1.8	1.75	6.7	.14	.30	600761
200	2596	.5323	.0450	.87	-7.4	.83	-6.5	.53	.41	600762
201	6104	-.6755	.0394	1.05	2.7	1.14	4.3	.73	.74	600765
202	2537	-.0539	.0436	1.21	9.9	1.31	9.9	.19	.40	600767
203	2558	.1013	.0437	1.08	4.9	1.13	5.2	.32	.41	600768
204	2596	-.4498	.0434	1.04	2.5	1.15	5.5	.35	.40	600769
205	2558	.3164	.0444	1.12	6.7	1.17	6.4	.29	.41	600770
206	2596	-.3449	.0432	.97	-2.2	.93	-3.0	.44	.41	600771
207	6104	.8909	.0383	1.04	2.8	1.09	3.6	.52	.53	600772
208	2537	1.1132	.0497	1.08	3.0	1.16	4.0	.31	.39	600773
209	2558	-1.3294	.0474	.84	-7.7	.75	-6.3	.49	.34	600774
210	2596	-1.2509	.0469	.92	-3.8	.84	-4.0	.44	.36	600775
211	2537	.1391	.0439	1.23	9.9	1.31	9.9	.18	.41	600776
212	2558	-.4756	.0434	1.09	5.6	1.12	4.5	.31	.39	600777
213	2596	.8698	.0470	.94	-2.6	.94	-1.9	.45	.41	600779
214	2537	-.5633	.0438	1.17	9.9	1.20	7.5	.22	.39	600780
215	6104	-.0469	.0371	1.00	-.1	.98	-1.0	.66	.66	600781
216	2558	-.2676	.0432	.86	-9.9	.82	-7.6	.53	.40	600782

Grade 11

ENTRY NUMBER	TOTAL COUNT	MEASURE	MODEL S.E.	INFIT MNSQ	INFIT ZSTD	OUTFIT MNSQ	OUTFIT ZSTD	PT-MEASURE CORR.	PT-MEASURE EXP.	Math
217	2558	-.1685	.0433	.98	-1.5	.97	-1.3	.42	.40	600784
218	2596	.5021	.0448	1.09	4.8	1.18	6.3	.32	.41	600786
219	2537	.8314	.0473	.99	-.3	1.03	.9	.40	.40	600787
220	2596	1.1894	.0497	1.24	8.7	1.49	9.9	.15	.39	600789
221	2537	1.2140	.0507	1.20	6.9	1.38	8.3	.18	.39	600791
222	2558	.6217	.0459	1.06	2.7	1.13	4.3	.34	.41	600792
223	6104	1.1011	.0393	1.27	9.9	1.32	9.9	.44	.51	600793
224	6104	1.3705	.0409	.99	-.7	1.07	2.1	.47	.47	600794
225	2596	-.4667	.0434	.92	-5.3	.88	-4.7	.48	.40	600795
226	2537	1.6209	.0556	.97	-.8	1.00	.1	.38	.37	600796
227	2558	-.1779	.0433	1.07	4.3	1.06	2.3	.34	.40	600798
228	6104	1.0127	.0388	1.11	6.3	1.12	4.7	.49	.52	600799
229	2596	-.0072	.0433	1.11	6.8	1.15	6.1	.31	.41	600800
230	2596	-.7260	.0441	.87	-8.4	.84	-5.7	.51	.39	600805
231	2537	-.0805	.0435	.84	-9.9	.81	-9.4	.55	.40	600806
232	2558	1.2724	.0515	.92	-3.0	.90	-2.4	.46	.39	600807
233	2537	-.4394	.0436	.81	-9.9	.79	-9.2	.57	.39	600809
234	2558	-.4117	.0433	.98	-1.4	.97	-1.1	.41	.39	600810
235	2596	-.2032	.0432	.82	-9.9	.78	-9.9	.57	.41	600812
236	2537	.0565	.0437	.89	-7.0	.86	-6.4	.51	.41	600819
237	6104	1.1259	.0394	1.21	9.9	1.26	8.9	.45	.50	600821
238	2558	.1838	.0439	.98	-1.0	.98	-.7	.42	.41	600830
239	2537	.1295	.0439	1.07	4.2	1.07	3.2	.34	.41	600831
240	6104	.7893	.0379	1.16	9.9	1.22	9.3	.51	.55	600832
MEAN	3448.7	.2070	.0444	1.00	-.8	1.03	-.1			
S.D.	1533.2	.8445	.0053	.12	5.9	.20	5.8			