C4L Math Item Count by Tested Indicator

Grade 11

NUMBER SENSE

NUMBER SENSE	Number of items in Item Bank		
MA 12.1.3.a Compute accurately with real numbers	18		
MA 12.1.3.b Simplify exponential expressions	16		
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	14		
GEOMETRIC/MEASUREMENT CONCEPTS	**Number of items in Item Bank**		
MA 12.2.1.d Apply geometric properties to solve problems	8		
MA 12.2.1.e Identify and apply right triangle relationships	12		
MA 12.2.2.a Use coordinate geometry to analyze geometric situations	6		
MA 12.2.2.c Apply the distance formula	7		
MA 12.2.2.d Prove special types of triangles and quadrilaterals	6		
MA 12.2.4.b Use geometric models to visualize, describe, and solve problems	7		
MA 12.2.5.d Convert equivalent rates	9		
ALGEBRAIC CONCEPTS	**Number of items in Item Bank**		
MA 12.3.1.a Represent, interpret, and analyze functions with graphs, tables, and algebraic notation, and convert among these representations	8		
MA 12.3.1.c Identify the slope and intercepts of a linear relationship from an equation or graph	31		
MA 12.3.1.d Identify characteristics of linear and non-linear functions	7		

MA 12.3.1.f Compare and analyze the rate of change by using ordered pairs, tables, graphs, and equations	11		
MA 12.3.2.b Represent a variety of quantitative relationships using linear equations and one variable inequalities	8		
MA 12.3.3.b Simplify algebraic expressions involving exponents	4		
MA 12.3.3.c Add and subtract polynomials	14		
MA 12.3.3.d Multiply and divide polynomials	0		
MA 12.3.3.f Identify and generate equivalent forms of linear equations	4		
DATA ANALYSIS/PROBABILITY CONCEPTS	**Number of items in Item Bank**		
MA 12.4.1.d Describe the shape and determine the spread (variance, standard deviation) and outliers of a	16		
MA 12.4.3.b Identify dependent and independent events and calculate their probabilities	13		
MA 12.4.3.c Use the appropriate counting techniques to determine the probability of an event	13		
MA 12.4.3.d Analyze events to determine if they are mutually exclusive	15		