

Mathematics

Level 12 Standards

Name: _____

Concept Area and Standard	Date Passed Teacher Initials	Grade A = Advanced B = Proficient
NUMBER SENSE		
Solve simple problems including ones arising in concrete situations, involving the addition and subtraction of fractions and mixed numbers (like and unlike denominators of 20 or less), and express answers in the simplest form (2.3)		
Understand the concept of multiplication and division of fractions (2.4)		
ALGEBRA		
Use a letter to represent an unknown number; write and evaluate simple algebraic expressions in one variable by substitution (1.2)		
Know and use the distributive property in equations and expressions with variables (1.3)		
Solve problems involving linear functions with integer values; write the equation; and graph the resulting ordered pairs of integers on a grid (1.5)		
MEASUREMENT AND GEOMETRY		
Construct a cube and rectangular box from two-dimensional patterns and use those patterns to compute the surface area for these objects (1.2)		
Measure, identify, and draw angles, perpendicular and parallel lines, rectangles, and triangles b using appropriate tools (e.g., straightedge, ruler, compass, protractor, drawing software) (2.1)		
Visualize and draw two-dimensional views of three-dimensional objects made from rectangular solids (2.3)		
Identify ordered pairs from a graph and interpret the meaning of the data in terms of the situation depicted by the graph (1.4)		
Know how to write ordered pairs correctly (e.g., [(x,y)] (1.5)		

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STATISTICS, DATA ANALYSIS, & PROBABILITY		
Know the concepts of mean, median, and mode; compute and compare simple examples to show that they may differ (1.1)		
Organize and display single-variable data in appropriate graphs and representations (e.g., histogram, circle graphs) and explain which types of graphs are appropriate for various data sets (1.2)		
Use fractions and percentages to compare data sets of different sizes (1.3)		

Date Completed All Level 12 Math Standards _____ **Teacher Signature** _____

(Quarter 1) Parent Signature _____ (Quarter 2) Parent Signature _____

(Quarter 3) Parent Signature _____ (Quarter 4) Parent Signature _____