

Mathematics

Level 11 Standards

Name: _____

Concept Area and Standard	Date Passed	Grade A = Advanced B = Proficient
NUMBER SENSE		
Estimate, round, and manipulate very large (e.g. millions) and very small (e.g. thousandths) numbers (1.1)		
Interpret percents as a part of a hundred; find decimal and percent equivalents for common fractions and explain why they represent the same value; compute a given percent of a whole number (1.2)		
Understand and compute positive integer powers of nonnegative integers; compute examples as repeated multiplication (1.3)		
Determine the prime factors of all numbers through 50 and write the numbers as the product of their prime factors by using exponents to show multiples of a factor (e.g. $24 = 2 \times 2 \times 3 = 2 \times 3$) (1.4)		
Identify and represent on a number line: decimals, fractions, mixed numbers, and positive and negative integers (1.5)		
Add, subtract, multiply, and divide with decimals; add with negative integers; subtract positive integers from negative integers; and verify the reasonableness of the results (2.1)		
Demonstrate proficiency with division, including division with positive decimals and long division with multi-digit divisors (2.2)		
Compute and perform simple multiplication and division of fractions and apply these procedures to solving problems (2.5)		
ALGEBRA		
Use information taken from a graph or equation to answer questions about a problem situations (1.1)		

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MEASUREMENT AND GEOMETRY		
Derive and use the formal for the area of a triangle and of a parallelogram by comparing it with the formula for the area of a rectangle (i.e., two of the same triangles make a parallelogram with twice the area; a parallelogram is compared with a rectangle of the same area by pasting and cutting a right triangle on the parallelogram) (1.1)		
Understand the concept of volume and use the appropriate units in common measure systems (i.e., cubic centimeter [cm], cubic centimeter [cm], cubic meter [m], cubic inch [in], cubic yard [yd] to compute the volume of rectangular solids (1.3)		
Differentiate between, and use appropriate units of measures for, two- and three-dimensional objects (i.e., find the perimeter, area, volume) (1.4)		
Know that the sum of the angles of any triangle is 180° and the sum of the angles of any quadrilateral is 360° , and use this information to solve problems (2.2)		
Identify and graph ordered pairs in the four quadrants of the coordinate plane (1.4)		

Date Completed All Level 11 Math Standards _____ **Teacher Signature** _____

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

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