

Mathematics

Level 7 Standards

Name: _____

Concept Area and Standard	Date Passed Teacher Initials	Grade + = Advanced √ = Proficient
NUMBER SENSE		
Count, read and write whole numbers to 10,000 (1.1)		
Compare and order whole numbers to 10,000 (1.2)		
Identify the place value for each digit in numbers to 10,000 (1.3)		
Round off numbers to 10,000 to the nearest ten, hundred, and thousand (1.4)		
Use expanded notation to represent numbers (e.g. $3,206 = 3,000 + 200 + 6$) (1.5)		
Find the sum or difference of two whole numbers between 0 and 10,000 (2.1)		
Memorize to automaticity the multiplication table for numbers between 1 and 10 (2.2)		
Compare fractions represented by drawings or concrete materials to show equivalency and to add and subtract simple fractions in context (e.g., $\frac{1}{2}$ of a pizza is the same amount as $\frac{2}{4}$ of another pizza that is the same size; show that $\frac{3}{8}$ is larger than $\frac{1}{4}$) (3.1)		
Add and subtract simple fractions (e.g. determine that $\frac{1}{8} + \frac{3}{8}$ is the same as $\frac{1}{2}$) (3.2)		
ALGEBRA		
Represent relationships of quantities in the form of mathematical expressions, equations, or inequalities (1.1)		
Solve problems involving numeric equations or inequalities (1.2)		
Select appropriate operational and relational symbols to make an expression true (e.g., if $4 \underline{\quad} 3 = 12$, what operational symbol goes in the blank?) (1.3)		
MEASUREMENT AND GEOMETRY		
Choose the appropriate tools and units (metric and U.S.) and estimate and measure the length, liquid volume, and weight/mass of given objects (1.1)		
Identify, describe, and classify polygons (including pentagons, hexagons, and octagons) (2.1)		
Identify attributes of triangles (e.g., two equal sides for the isosceles triangle, three equal sides for the equilateral triangle, right angle for the right triangle) (2.2)		
Identify attributes of quadrilaterals (e.g., parallel sides for the parallelogram, right angles for the rectangle, equal sides and right angles for the square) (2.3)		
Identify right angles in geometric figures or in appropriate objects and determine whether other angles are greater or less than a right angle (2.4)		

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Identify, describe, and classify common three-dimensional geometric objects (e.g., cube, rectangular solid, sphere, prism, pyramid, cone, cylinder (2.5)		
Identify common solid objects that are the components needed to make a more complex solid object (2.6)		
MATHEMATICAL REASONING		
Analyze problems by identifying relationships, distinguishing relevant from irrelevant information, sequencing and prioritizing information, and observing patterns (1.1)		
Determine when and how to break a problem into simpler parts (1.2)		
Use estimation to verify the reasonableness of calculated results (2.1)		
Apply strategies and results from simpler problems to more complex problems (2.2)		
Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models, to explain mathematical reasoning (2.3)		
Express the solution clearly and logically by using the appropriate mathematical notation and terms and clear language; support solutions with evidence in both verbal and symbolic work (2.4)		
Indicate the relative advantages of exact and approximate solutions to problems and give answers to a specified degree of accuracy (2.5)		
Make precise calculations and check the validity of the results from the context of the problem (2.6)		
Evaluate the reasonableness of the solution in the context of the original situation (3.1)		
Note the method of deriving the solution and demonstrate a conceptual understanding of the derivation by solving similar problems (3.2)		
Develop generalizations of the results obtained and apply them in other circumstances (3.3)		

Date Completed All Level 7 Math Standards _____ Teacher Signature _____

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

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