

Fifth Grade Math Learning Targets 2016-2017 REGIONAL SCHOOL UNIT #22

RSU #22 is committed to the optimal learning of all students. As RSU #22 continues to move towards meeting 2018 graduation expectations, we have elected to look at proficiency learning targets K-12. Rather than only the high school being responsible to report student proficiency, we have listed learning targets at each grade level. We know that some children may be able to meet standards beyond the targets listed at the grade level. We also know that some students will need more time to meet the expectations.

In some instances, students would only be expected to meet a 2, the foundational proficiency level. Keep in mind that some students may be working at lower levels or higher levels.

Standards Scored on the Report Card:

Algebra: Foundational Algebra

Learning Target	Proficiency level
Is skilled at the basic order of operations for addition, subtraction, multiplication, and division.	2
Is skilled at writing exponents in expanded form and evaluate.	intro
Is skilled at using exponents to evaluate numerical expressions	Intro 3

Geometry: Attributes & Properties

Learning Target	Proficiency level
Understands the terms: equilateral, isosceles, scalene, obtuse, acute, and right triangles. Understands the terms: obtuse, acute, and right angles.	2
Understands the different attributes of triangles.	3

Understands the terms: regular and irregular polygons, parallelogram.	2
Understands the different attributes of triangles. Understands that shapes in different categories may share attributes and that the shared attributes can define a larger category (e.g. quadrilaterals, triangles).	3

Geometry: Coordinate System

Learning Target	Proficiency level
Understands the relationship between the x & y components of ordered pair.	2
Understands the first number in an ordered pair indicates how far to travel from the origin in the direction of the horizontal axis, and the second number indicates how far to travel in the direction of the vertical axis.	3
Understands the quadrants and which points are plotted in each quadrant.	2
Is skilled at plotting points in any quadrant.	3
Is skilled at drawing polygons in the coordinate plane given the coordinate for the vertices	2

Geometry: Geometric Measurement

Learning Target	Proficiency level
Understands that volume is an attribute of a solid figure.	2
Is skilled at finding volume using unit cubes. Is skilled at using the formula for finding volume of a right rectangular prism with whole number edge lengths.	3

**Number Sense:
Fractions, Decimals and Percents**

Learning Target	Proficiency level
Is skilled at generating fractions equivalent to benchmarks one half, one third, one fourth. Is skilled at simplifying fractions to its lowest terms related to the benchmark one half, one third, one fourth.	3
Is skilled at adding and subtracting fractions with like denominators and simplifying the results.	3
Is skilled at ordering and comparing fractions with like and unlike denominators using benchmark fractions (halves, thirds, fourths). Understand the use of benchmark fractions when comparing fractions with unlike denominators.	2
Is skilled at ordering and comparing fractions with like and unlike denominators by finding common denominators.	2
Understands decimal notation for fractions with a denominator of 10, 100, 1000. Understands the relationship between tenths and hundredths and thousandths place in fractions and decimals.	3
Understand how the concept of place value applies when adding and subtracting decimals.	2

Is skilled at adding and subtracting decimals up to the thousandths place.	3
Is skilled at addition and subtraction of fractions with unlike denominators and simplifying the results.	2
Is skilled at addition and subtraction of mixed numbers and simplifying the results.	3
Is skilled at multiplying a fraction by a whole number.	2
is skilled at multiplying a fraction by a fraction.	3
Understands there is a relationship between division and fractions. Is skilled at dividing a fraction by a whole number.	2
Is skilled at dividing fractions by a fraction.	3
Understands multiplication and division of decimals to hundredths.	2
Is skilled at multiplication and division of multi-digit decimals to hundredths place.	3
Understands the relationships among fractions, decimals and percent. Understands percent means a rate per hundred.	2
Is skilled at finding the percent of a quantity.	3

**Number Sense:
Place Value**

Learning Target	Proficiency level
Understands how numbers are represented in the place value system.	2
Understands that in the place value system, a digit in one place represents 10 times as much as it represents in the place to its right represents.	3

**Operations:
Multiplication & Division**

Learning Target	Proficiency level
Is skilled at dividing up to a 4-digit dividend by a 2-digit divisor without remainders.	2
Is skilled at dividing up to a 4-digit dividend by a 2-digit divisor with remainders.	3
Is skilled at solving multiplication and division word problems.	3

**Statistics & Probability :
Data Analysis**

Learning Target	Proficiency level
Understands the terms: pie chart, circle graph. Understands when a pie chart or circle graph may be used as opposed to other graphic representations.	2
Understands data can be represented and interpreted using pie charts (circle graphs).	3

Statistics & Probability:Probability

Learning Target	Proficiency level
Understands outcomes, chance, probability, and simple event.	2

Understands the chance of an outcome of a simple event.	
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Strand: Tools of Measurement
Measurement

Learning Target	Proficiency level
Understands when to use the appropriate measurement tool for liquid volume or weight.	2
Is skilled at measuring liquid volume and weight.	3