

Grade 7 Math Learning Targets 2015-2016

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 created some initial 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.

Standards to be scored:

Number Sense: Fractions, Decimals and Percents 8,9,10,11

- Is skilled at addition and subtraction of fractions with unlike denominators and simplifying the results
- Is skilled at addition and subtraction of mixed numbers Is skilled at renaming fractions to simplest form
- Is skilled at multiplying fractions and whole numbers
- Is skilled at dividing fractions by a fraction and fraction by a whole numbers.

Number Sense: Place Value

- Understands the place value system: that a digit in one place represents 10 times as much as it represents in the place to its right represents
- Understand the place value system: that a digit in ones place represents 1/10 of what it represents in the place to its left
- Understands the concept of rounding decimals to any place using place value

Geometry: Coordinate Systems

- Knows 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

Geometry: Attributes and Equations 4

- Understands that shapes in different categories may share attributes and that the shared attributes can define a larger category (e.g. quadrilaterals)

Geometry: Measurement

- Is skilled at measuring angles using a protractor Is skilled at drawing angles using a protractor.

Statistics and Probability: Data Analysis

- Understands data can be represented and interpreted using a line plot (dotplot) using whole units and picture graphs and bar graphs
- Understands scale in a picture graph and bar graph effects how the data is represented and interpreted
- Understands data can be represented and interpreted using pie charts (circle graphs)

Algebra: Expressions

- Understands written expressions can be written as a numeric expression or equation.
- Is skilled at solving an equation as a process of substitution that makes the statement true