

Grade: 5
Subject: Math
Description of Standard
I understand the place value system to the hundredths. I can compare decimals, round decimals, order decimals, and use expanded form.
I can multiply and divide by powers of 10.
I can add and subtract decimals to the hundredths place.
I can multiply decimals.
I can divide decimals.
I can use equivalent fractions to add and subtract fractions.
I can multiply fractions.
I can divide unit fractions by whole numbers and whole numbers by unit fractions ($\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$).
I can understand volume is made of unit cubes and relate volume to multiplication and addition.
I can graph points on a coordinate plane.
I can classify quadrilaterals.
I can use order of operations to solve a problem.

Grade: 6
Subject: Math
Description of Standard
I can fluently add, subtract, multiply and divide multi-digit numbers.
I can divide fractions by fractions.
I can solve numerical expressions with whole number exponents and unit fraction bases.
I can identify and explain the parts of algebraic expressions.
I can solve one-step algebraic expressions and equations and inequalities.
I can identify and use positive and negative numbers in real world situations.
I can understand and use ratios to solve problems.

Grade: 7
Subject: Math
Description of Standard
I can use proportional relationships to solve real-world and mathematical problems such as percentages, taxes, interest, mark-ups, mark-downs, and discounts.
I can use proportional relationships to find a unit rate and compare two different rates.
I can graph rates and tell if they are proportional, find the constant rate of change, slope, and direct variation.
I can add, subtract, multiply, and divide whole numbers, fractions and decimals using negative numbers.
I can use properties to generate equivalent expressions.
I can simplify, add, subtract, and factor linear expressions.
I can solve one step and two step numerical and algebraic expressions and equations.
I can find circumference and area of circles.

Grade: 8
Subject: Math
Description of Standard
I can explain the difference between whole numbers, integers, and rational numbers.
I can write a number in scientific notation.
I can estimate and evaluate cube roots and square roots.
I can understand the connections between proportional relationships, lines, and linear equations.
I can analyze and solve linear equations.
I can define, evaluate, and compare functions.
I can use functions to model relationships between quantities.
I can understand and apply the Pythagorean Theorem.
I can look at intersecting lines and identify and name angles that are equal, complementary, and supplementary.

Grade: 8
Subject: Algebra 1
Description of Standard
Students will simplify expressions, equations, and functions.
Students will solve linear equations.
Students will use linear functions.
Students will manipulate equations of linear functions.
Students will solve and graph linear inequalities.
Students will manipulate exponents and exponent functions.
Students will solve and graph quadratic functions.
Students will solve and graph radical functions.
Students will use statistics and calculate probability.