Sixth Grade
Math Power Standards

Number Sense

6.1   Students compare and order positive and negative fractions, decimals, and mixed numbers and place them on a number line.

6.2   Students interpret and use rations in different contexts to show the relative sizes of two quantities using appropriate notations.

6.3   Students use proportions to solve problems.

6.4   Students can calculate given percentages of quantities and solve problems involving discounts at sales, interest earned and tips

6.5   Students determine the least common multiple and the greatest common divisor of whole numbers.

6.6   Students solve addition, subtraction, multiplication, and division problems, that use positive and negative integers and combinations of these operations.

Algebra and Functions

6.7   Students can write and solve one-step linear equations.

6.8   Students demonstrate an understanding that rate is a measure of one quantity per unit value of another quantity.

Measurement and Geometry

6.9   Students understand the concept of a constant (Ex. π; know the formulas for the circumference and area of a circle.)

6.10   Students use the properties of complementary and supplementary angles and the sum of the angles of a triangle.

Statistics, Data Analysis, and Probability

6.11   Students can identify different ways of selecting a sample.

6.12 Students can analyze data displays and explain why the way in which the question was asked might have influenced the results obtained.

6.13   Students can identify data that are present sampling errors and explain why the sample might be biased.

6.14   Students can represent all possible outcomes for compound events in an organized.

6.15   Students can represent probabilities as ratios, proportions, decimals between 0 and 1, and percentages between 0 and 100 and verify that the probabilities computed are reasonable.

Mathematical Reasoning

6.16 Students make decisions about how to approach problems.

6.17   Students use strategies, skills, and concepts in finding solutions.