# 6TH GRADE MATH POWER STANDARDS

Number and Operations:
- I can add, subtract, multiply, and divide decimals and fractions
- I can use or demonstrate exponents, percents, rates, and ratios, find the percent of a number, and what percent one number is of another number, and convert between them.
- I can solve word problems involving decimals, fractions, mixed numbers, rates, ratios, and percents.
- I can find the greatest common factor/divisor and least common multiple and use them with fractions and finding equivalent fractions.
- I can locate rational numbers on a number line and plot pairs of numbers on a coordinate grid.

Algebra:
- I can symbolize real world situations using equations and solve equations and inequalities involving variables. -
- I can use graphs, tables, charts, patterns, and rules to solve problems.
- I can apply the commutative, associative, distributive properties, and order of operations to solve problems involving positive rational numbers.

Geometry and Measurement:
- I can find the measurement of missing angles in triangles, other polygons, and where lines intersect.
- I can convert using common equivalents in weight, measurement, capacity, and time.
- I can find the area and perimeter of a variety of figures such as squares, rectangles, triangles, parallelograms
- I can determine the surface area and volume of prisms

Data Analysis and Probability:
- I can identify the sample space, determine the theoretical probability of an event, and represent this as a fraction, decimal, and percent.
- I can perform an experiment, calculate the experimental probability of this experiment, and represent this as a fraction, decimal, and percent
- I can use experimental probabilities to make predictions about an unknown event.