

6th Grade Math

Essential Skills and Concepts

I can....

Ratios and Proportional Relationships:

1. compare two numbers (whole numbers, fractions, or decimals or ratios).
2. write equivalent ratios and find the unit rate.
3. use two equivalent ratios and find the unit rate.
4. figure percent.

The Number System:

1. solve a story problem with mixed operations.
2. add, subtract, multiply, and divide whole numbers, decimals, and fractions.
3. find the greatest common factor and least common multiple.
4. find and plot ordered pairs in the four quadrants of a coordinate plane.

Expressions and Equations:

1. write the value of numbers and exponents.
2. solve word problems using algebraic expressions with variables.
3. solve expressions using variables and order of operations.
4. solve real world equations by using symbols, variables and expressions.

Geometry:

1. solve the area, surface area, perimeter, and volume of any given polygon or rectangular prism.
2. find the area and circumference of a circle.
3. Represent three dimensional figures.

Statistics:

1. find mean, median, mode and range of a data set.
2. Draw conclusions about a data set.