Success Through Education

Grade Six Math Curriculum

Grade 6 Math

Ratio and Proportional Relationships

Understands ratio concepts and uses ratio reasoning to solve problems.

Solves unit rate problems.

Makes tables of equivalent ratios.

The Number System

Applies and extends previous understandings of multiplication and division to divide fractions by fractions.

Computes fluently with multi-digit numbers and finds the common factors and multiples.

Fluently multiplies and divides multi-digit decimals.

Finds the greatest common factor and least common multiples.

Applies and extends previous understandings of numbers to the system of rational numbers.

Understands that positive and negative numbers are used together to describe quantities as having opposite directions
or values.

Finds and positions integers and other rational numbers on a number line.

Understands ordering and absolute value numbers.

Expressions and Equations

Applies and extends previous understand of arithmetic to algebraic expressions.

Applies the Distributive Property to expressions.

Applies the order of operation.

Applies properties of operations to produce equivalent expression
(i.e. y + y + y = 3y).

Reasons about and solves one variable equations and inequalities.

Writes and graphs an inequality in the form of x > c or x < c and x + c < a or
x + c > a, and recognizes that inequalities have infinitely many solutions.

Represents and analyzes quantitative relationships between dependent and independent variables by writing and solving equations in the form of x + p = q and px = q.

Geometry

Solves real-world and mathematical problems involving area, surface area, and volume.

Statistics and Probability

Interprets data through measures of center (mean and median) and the variability (interquartile range and mean absolute deviation) as well as describes the pattern deviations.