

6th Grade Math

Below are the Mastery Learning Targets, or priorities for all students to be successful when they advance to 7th Grade Math. **Mastery** (M) of these skills means the student has met the grade-level standard and is independently performing on grade level. Mastery may take time to reach, as foundational skills progress throughout the school year.

RATIOS AND PROPORTIONAL RELATIONSHIPS

- Calculates the price per one quantity and speed, such as miles per one hour.

THE NUMBER SYSTEM

- Adds, subtracts, multiplies and divides positive fractional numbers.
- Converts fractions to decimals.
- Adds, subtracts, multiplies and divides positive decimal numbers.
- Plots ordered pairs on a coordinate plane.
- Identifies positive, negative and opposite numbers on a number line.
- Finds the distance between points on a coordinate plane using absolute value.

EXPRESSIONS AND EQUATIONS

- Simplifies expressions using the order of operations.
- Writes expressions.
- Identifies expressions that have the same value.
- Writes and solves one-step equations.
- Writes and solves one-step inequalities.

GEOMETRY

- Calculates the surface area of 3D shapes.
- Calculates the volume of rectangular prisms with whole number, fractional and decimal side lengths.

STATISTICS AND PROBABILITY

- Calculates the mean, median, mode, range, and mean absolute deviation of a data set.
- Describes the distribution of numerical data relating to the shape and spread of the data.