

Quarter 1

The Number System & Ratios and Proportional Relationships

CC.2.1.6. E.1: Apply and extend previous understandings of multiplication and division to divide fractions.

- Divide whole numbers by fractions
- Divide fractions
- Divide fractions and mixed numbers

CC.2.1.6. D.1: Understand ratio concepts and use ratio reasoning to solve problems.

- Write ratios
- Equivalent ratios
- Ratio tables
- Unit rates
- Compare ratios
- Percents

CC.2.1.6. E.2: Identify and choose appropriate processes to compute fluently with multi-digit numbers.

CC.2.1.6. E.3: Develop and/or theory concepts to find common factors and multiples.

- Identify factors
- GCF and LCM

CC.2.1.6. E.4: Apply and extend previous understandings of numbers to the system of rational numbers.

- Understand integers
- Opposite numbers
- Number lines
- Compare and order
- Absolute value
- Coordinate plane

Quarter 2

Expressions and Equations

CC.2.2.6. B.1: Apply and extend previous understandings of arithmetic to algebraic expressions.

- Expressions with exponents
- Order of operations
- Write variable expressions
- Parts of variable expressions
- Evaluate variable expressions
- Properties

CC.2.2.6.B.2: Understand the process of solving a one-variable equation or inequality and apply to real-world and mathematical problems.

- Solutions of equations and inequalities
- Equation models
- Solve equations
- Inequalities

Quarter 3

Geometry

CC.2.3.6. A.1: Apply appropriate tools to solve real-world and mathematical problems involving area, surface area, and volume.

- Area of triangles and quadrilaterals
- Area of compound figures
- Relate area and perimeter
- Nets
- Volume and surface area

Quarter 4

Statistics and Probability

CC.2.2.6.B.3: Represent and analyze quantitative relationships between dependent and independent variables.

- Independent and dependent variables
- Find values using equations
- Write equations
- Make and use graphs

CC.2.4.6.B.1: Demonstrate an understanding of statistical variability by displaying, analyzing, and summarizing distributions.

- Line plots
- Histograms
- Box-and-whisker plots
- Measures of center and variability
- Outliers
- Statistical questions