| The Number System | Ratios \& Proportional Relationships | Expressions and Equations | Geometry | Statistics and Probability |
| :---: | :---: | :---: | :---: | :---: |
| Divide fractions by fractions Fluently add, subtract, multiply, and divide with whole numbers and decimals (through thousandths) Find greatest common factor and least common multiple Understand that positive and negative numbers are used together to describe quantities having opposite directions or values Find and position integers and rational numbers/pairs of numbers on a number line/coordinate plane Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane including use of coordinates and absolute value to find distances between points with the same first coordinate or the same second coordinate. | Apply and extend previous understanding of numbers to system of rational numbers Understand ratio concepts and use ratio reasoning to solve problems Understand unit rate Explore and create equivalent ratios Find a percent of a quantity as a rate per 100 Use ratio reasoning to convert measurement units | Apply and extend previous understanding of arithmetic to algebraic expressions Write and evaluate numerical expressions involving whole-number exponents Write, read, and evaluate expressions in which letters stand for numbers Apply the distributive property to expressions Apply order of operations Apply properties of operations to produce equivalent expressions Write and graph an inequality in the form $x>c$ or $x<c$ and $x+c<a$ or $x+c>a$ and recognize that inequalities have infinitely many solutions Represent and analyze quantitative relationships between dependent and independent variables by writing and solving equations in the form $x+p=q$ and $p x=q$ | Find area of triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes Apply the formulas $V=l w h$ and $V=B h$ to find volumes of right rectangular prisms with fractional edge lengths in the context of solving real-world problems Draw polygons in coordinate plane, using coordinates to find side lengths with the same first or second coordinate Represent three-dimensional figures using nets of rectangles and triangles and find surface area of triangular and rectangular prisms | Develop understanding of statistical variability Summarize and describe distributions and numerical data sets in plots on a number line, including line plots, histograms, and box-and-whisker plots Interpret data through measures of central tendency (mean, median, mode) and variability (range, interquartile range, mean absolute deviation) and describe the overall pattern and any deviations |

