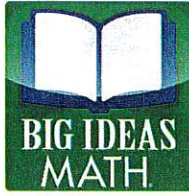


Math Curriculum 6th Grade

	Instructional Focus	Skills
September	Reviewing 5th grade skills. Chapter 1: Numerical Expressions and Factors	<ul style="list-style-type: none"> • Writing and evaluating expressions involving exponents. • Writing and evaluating numerical expressions using the order of operations. • Writing a number as a product of prime factors and representing the product using exponents. • Finding the greatest common factor of 2 numbers. • Finding the least common multiple of 2 numbers.
October	Chapter 2: Fractions and Decimals	<ul style="list-style-type: none"> • Finding products involving fractions and mixed numbers. • Computing quotients of fractions and solving problems involving division by fractions. • Computing quotients with mixed numbers and solving problems involving division with mixed numbers. • Adding and subtracting decimals and solving problems involving addition and subtraction of decimals. • Multiplying decimals and solving problems involving the multiplication of decimals. • Dividing whole numbers and solving problems involving division of whole numbers. • Dividing decimals and solving problems involving division of decimals.
November	Continuing Chapter 2 work Chapter 3: Ratios and Rates	<ul style="list-style-type: none"> • Continuing with skills from Chapter 2. • Understanding the concepts of ratios and equivalent ratios. • Using tape diagrams to model and solve ratio problems. • Using ratio tables to represent equivalent ratios and solve ratio problems. • Represent ratio relationships in a coordinate plane. • Understanding the concept of a unit rate and solving rate problems. • Using ratio reasoning to convert units of measure.
December	Continuing Chapter 3 work	<ul style="list-style-type: none"> • Continuing with skills from Chapter 3.
January	Chapter 4: Percents	<ul style="list-style-type: none"> • Writing percent as fractions and fractions as percents. • Writing percents as decimals and decimals as percents. • Comparing and ordering fractions, decimals, and percents. • Finding a percent of a quantity and solving percent problems.



Math Curriculum 6th Grade

	Instructional Focus	Skills
February	Chapter 5: Algebraic Expressions and Properties	<ul style="list-style-type: none">• Evaluate algebraic expressions given values of their variables.• Write algebraic expressions and solve problems involving algebraic expressions.• Identify equivalent expressions and apply properties to generate equivalent expressions.• Apply the Distributive Property to generate equivalent expressions.• Factor numerical and algebraic expressions.
March	Chapter 6: Equations	<ul style="list-style-type: none">• Write equations in one variable and write equations that represent real-life problems.• Write equations in one variable and write equations that represent real-life problems.• Write and solve equations using multiplication or division.• Write equations in two variables and analyze the relationship between the two quantities.
April	Chapter 7: Area, Surface Area, and Volume	<ul style="list-style-type: none">• Find areas and missing dimensions of parallelograms.• Find areas and missing dimensions of triangles and find areas of composite figures.• Find areas of trapezoids, kites, and composite figures.• Represent pyramids using nets and use nets to find surface areas of pyramids and prisms.• Represent pyramids using nets and use nets to find surface areas of pyramids.
May	Chapter 8: Integers, Number Lines, and the Coordinate Plane	<ul style="list-style-type: none">• Understand the concept of negative numbers and that they are used along with positive numbers to describe quantities.• Compare and order integers.• Compare and order rational numbers.• Understand the concept of absolute value.• Plot and reflect ordered pairs in all four quadrants of a coordinate plane.• Plot and reflect ordered pairs in all four quadrants of a coordinate plane.

June	Chapter 9: Statistical Measures Chapter 10: Data Displays	<ul style="list-style-type: none">• Identify statistical questions and use data to answer statistical questions.• Find and interpret the range, median, and mode of a data set.• Display and interpret data in stem-and-leaf plots.• Display and interpret data in histograms.