

Big Ideas Math: Modeling Real Life ©2019
Learning Targets and Success Criteria
Grade 6

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 1: Numerical Expressions and Factors			
<p>Chapter Learning Target Understand factors.</p> <p>Chapter Success Criteria</p> <ul style="list-style-type: none"> Identify factors of a number. Explain order of operations. Solve a problem using factors. Model different types of multiples of numbers. 	1.1 Powers and Exponents	Write and evaluate expressions involving exponents.	<ul style="list-style-type: none"> I can write products of repeated factors as powers. I can evaluate powers.
	1.2 Order of Operations	Write and evaluate numerical expressions using the order of operations.	<ul style="list-style-type: none"> I can explain why there is a need for a standard order of operations. I can evaluate numerical expressions involving several operations, exponents, and grouping symbols. I can write numerical expressions involving exponents to represent a real-life problem.
	1.3 Prime Factorization	Write a number as a product of prime factors and represent the product using exponents.	<ul style="list-style-type: none"> I can find factor pairs of a number. I can explain the meanings of prime and composite numbers. I can create a factor tree to find the prime factors of a number. I can write the prime factorization of a number.
	1.4 Greatest Common Factor	Find the greatest common factor of two numbers.	<ul style="list-style-type: none"> I can explain the meaning of factors of a number. I can use lists of factors to identify the greatest common factor of numbers. I can use prime factors to identify the greatest common factor of numbers.
	1.5 Least Common Multiple	Find the least common multiple of two numbers.	<ul style="list-style-type: none"> I can explain the meaning of multiples of a number. I can use lists of multiples to identify the least common multiple of numbers. I can use prime factors to identify the least common multiple of numbers.

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Learning Targets and Success Criteria
Grade 6

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 2: Fractions and Decimals			
<p><u>Chapter Learning Target</u> Understand fractions and decimals.</p> <p><u>Chapter Success Criteria</u></p> <ul style="list-style-type: none"> Identify a fraction and a decimal. Add, subtract, multiply, and divide fractions and decimals. Evaluate expressions involving fractions and decimals using the order of operations. Solve a problem using fractions and decimals. 	2.1 Multiplying Fractions	Find products involving fractions and mixed numbers.	<ul style="list-style-type: none"> I can draw a model to explain fraction multiplication. I can multiply fractions. I can find products involving mixed numbers. I can interpret products involving fractions and mixed numbers to solve real-life problems.
	2.2 Dividing Fractions	Compute quotients of fractions and solve problems involving division by fractions.	<ul style="list-style-type: none"> I can draw a model to explain division of fractions. I can find reciprocals of numbers. I can divide fractions by fractions. I can divide fractions and whole numbers.
	2.3 Dividing Mixed Numbers	Compute quotients with mixed numbers and solve problems involving division with mixed numbers.	<ul style="list-style-type: none"> I can draw a model to explain division of mixed numbers. I can write a mixed number as an improper fraction. I can divide with mixed numbers. I can evaluate expressions involving mixed numbers using the order of operations.
	2.4 Adding and Subtracting Decimals	Add and subtract decimals and solve problems involving addition and subtraction of decimals.	<ul style="list-style-type: none"> I can explain why it is necessary to line up the decimal points when adding and subtracting decimals. I can add decimals. I can subtract decimals. I can evaluate expressions involving addition and subtraction of decimals.

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Learning Targets and Success Criteria
Grade 6

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 2 continued	2.5 Multiplying Decimals	Multiply decimals and solve problems involving multiplication of decimals.	<ul style="list-style-type: none"> • I can multiply decimals by whole numbers. • I can multiply decimals by decimals. • I can evaluate expressions involving multiplication of decimals.
	2.6 Dividing Whole Numbers	Divide whole numbers and solve problems involving division of whole numbers.	<ul style="list-style-type: none"> • I can use long division to divide whole numbers. • I can write a number as a fraction. • I can interpret quotients in real-life problems.
	2.7 Dividing Decimals	Divide decimals and solve problems involving division of decimals.	<ul style="list-style-type: none"> • I can divide decimals by whole numbers. • I can divide decimals by decimals. • I can divide whole numbers by decimals.

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Learning Targets and Success Criteria
Grade 6

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 3: Ratios and Rates			
<p><u>Chapter Learning Target</u> Understand ratios.</p> <p><u>Chapter Success Criteria</u></p> <ul style="list-style-type: none"> • Write and interpret ratios. • Name ratios equivalent to a given ratio. • Solve a problem using ratios. • Convert units of measure using ratio reasoning. 	3.1 Ratios	Understand the concepts of ratios and equivalent ratios.	<ul style="list-style-type: none"> • I can write and interpret ratios using appropriate notation and language. • I can recognize multiplicative relationships in ratios. • I can describe how to determine whether ratios are equivalent. • I can name ratios equivalent to a given ratio.
	3.2 Using Tape Diagrams	Use tape diagrams to model and solve ratio problems.	<ul style="list-style-type: none"> • I can interpret tape diagrams that represent ratio relationships. • I can draw tape diagrams to model ratio relationships. • I can find the value of one part of a tape diagram. • I can use tape diagrams to solve ratio problems.
	3.3 Using Ratio Tables	Use ratio tables to represent equivalent ratios and solve ratio problems.	<ul style="list-style-type: none"> • I can use various operations to create tables of equivalent ratios. • I can use ratio tables to solve ratio problems. • I can use ratio tables to compare ratios.
	3.4 Graphing Ratio Relationships	Represent ratio relationships in a coordinate plane.	<ul style="list-style-type: none"> • I can create and plot ordered pairs from a ratio relationship. • I can create graphs to solve ratio problems. • I can create graphs to compare ratios.

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Learning Targets and Success Criteria
Grade 6

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 3 continued	3.5 Rates and Unit Rates	Understand the concept of a unit rate and solve rate problems.	<ul style="list-style-type: none"> • I can find unit rates. • I can use unit rates to solve rate problems. • I can use unit rates to compare rates.
	3.6 Converting Measures	Use ratio reasoning to convert units of measure.	<ul style="list-style-type: none"> • I can write conversion facts as unit rates. • I can convert units of measure using ratio tables. • I can convert units of measure using conversion factors. • I can convert rates using conversion factors.

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Learning Targets and Success Criteria
Grade 6

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 4: Percents			
<p><u>Chapter Learning Target</u> Understand percents.</p> <p><u>Chapter Success Criteria</u></p> <ul style="list-style-type: none"> • Write fractions and decimals as percents. • Write percents as fractions and as decimals. • Order fractions, decimals, and percents. • Solve percent problems. 	4.1 Percents and Fractions	Write percents as fractions and fractions as percents.	<ul style="list-style-type: none"> • I can draw models to represent fractions and percents. • I can write percents as fractions. • I can write equivalent fractions with denominators of 100. • I can write fractions as percents.
	4.2 Percents and Decimals	Write percents as decimals and decimals as percents.	<ul style="list-style-type: none"> • I can draw models to represent decimals. • I can explain why the decimal point moves when multiplying and dividing by 100. • I can write percents as decimals. • I can write decimals as percents.
	4.3 Comparing and Ordering Fractions, Decimals, and Percents	Compare and order fractions, decimals, and percents.	<ul style="list-style-type: none"> • I can rewrite a group of fractions, decimals, and percents using the same representation. • I can explain how to compare fractions, decimals, and percents. • I can order fractions, decimals, and percents from least to greatest.
	4.4 Solving Percent Problems	Find a percent of a quantity and solve percent problems.	<ul style="list-style-type: none"> • I can represent percents of numbers using an equation, a ratio table, or a model. • I can find percents of numbers. • I can find the whole given a part and the percent.

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Learning Targets and Success Criteria
Grade 6

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 5: Algebraic Expressions and Properties			
<p>Chapter Learning Target Understand algebraic expressions.</p> <p>Chapter Success Criteria</p> <ul style="list-style-type: none"> Identify parts of an algebraic expression. Write algebraic expressions. Solve a problem using algebraic expressions. Interpret algebraic expressions in real-life problems. 	5.1 Algebraic Expressions	Evaluate algebraic expressions given values of their variables.	<ul style="list-style-type: none"> I can identify parts of an algebraic expression. I can evaluate algebraic expressions with one or more variables. I can evaluate algebraic expressions with one or more operations.
	5.2 Writing Expressions	Write algebraic expressions and solve problems involving algebraic expressions.	<ul style="list-style-type: none"> I can write numerical expressions. I can write algebraic expressions. I can write and evaluate algebraic expressions that represent real-life problems.
	5.3 Properties of Addition and Multiplication	Identify equivalent expressions and apply properties to generate equivalent expressions.	<ul style="list-style-type: none"> I can explain the meaning of equivalent expressions. I can use properties of addition to generate equivalent expressions. I can use properties of multiplication to generate equivalent expressions.
	5.4 The Distributive Property	Apply the Distributive Property to generate equivalent expressions.	<ul style="list-style-type: none"> I can explain how to apply the Distributive Property. I can use the Distributive Property to simplify algebraic expressions. I can use the Distributive Property to combine like terms.

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Learning Targets and Success Criteria
Grade 6

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 5 continued			
	5.5 Factoring Expressions	Factor numerical and algebraic expressions.	<ul style="list-style-type: none">• I can use the Distributive Property to factor numerical expressions.• I can identify the greatest common factor of terms including variables.• I can use the Distributive Property to factor algebraic expressions.• I can interpret factored expressions in real-life problems.

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Learning Targets and Success Criteria
Grade 6

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 6: Equations			
<p>Chapter Learning Target Understand equations.</p> <p>Chapter Success Criteria</p> <ul style="list-style-type: none"> Identify key words and phrases. Write word sentences as equations. Solve equations using properties of equality. Model different types of equations to solve real-life problems. 	6.1 Writing Equations in One Variable	Write equations in one variable and write equations that represent real-life problems.	<ul style="list-style-type: none"> I can identify key words and phrases that indicate equality. I can write word sentences as equations. I can create equations to represent real-life problems.
	6.2 Solving Equations Using Addition or Subtraction	Write and solve equations using addition or subtraction.	<ul style="list-style-type: none"> I can determine whether a value is a solution of an equation. I can apply the Addition and Subtraction Properties of Equality to generate equivalent equations. I can solve equations using addition or subtraction. I can create equations involving addition or subtraction to solve real-life problems.
	6.3 Solving Equations Using Multiplication or Division	Write and solve equations using multiplication or division.	<ul style="list-style-type: none"> I can apply the Multiplication and Division Properties of Equality to generate equivalent equations. I can solve equations using multiplication or division. I can create equations involving multiplication or division to solve real-life problems.

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Learning Targets and Success Criteria
Grade 6

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 6 continued			
	6.4 Writing Equations in Two Variables	Write equations in two variables and analyze the relationship between the two quantities.	<ul style="list-style-type: none">• I can determine whether an ordered pair is a solution of an equation in two variables.• I can distinguish between independent and dependent variables.• I can write and graph an equation in two variables.• I can create equations in two variables to solve real-life problems.

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Learning Targets and Success Criteria
Grade 6

<u>Learning Target</u>		<u>Success Criteria</u>
Chapter 7: Area, Surface Area, and Volume		
<p><u>Chapter Learning Target</u> Understand measurement.</p> <p><u>Chapter Success Criteria</u></p> <ul style="list-style-type: none"> • Explain how to find areas of figures. • Explain how to find surface areas and volumes of solids. • Describe and draw three-dimensional figures. • Apply units of measurement to solve real-life problems. 	7.1 Areas of Parallelograms	<p>Find areas and missing dimensions of parallelograms.</p> <ul style="list-style-type: none"> • I can explain how the area of a rectangle is used to find the area of a parallelogram. • I can use the base and the height of a parallelogram to find its area. • I can use the area of a parallelogram and one of its dimensions to find the other dimension.
	7.2 Areas of Triangles	<p>Find areas and missing dimensions of triangles and find areas of composite figures.</p> <ul style="list-style-type: none"> • I can explain how the area of a parallelogram is used to find the area of a triangle. • I can use the base and the height of a triangle to find its area. • I can use the area of a triangle and one of its dimensions to find the other dimension. • I can use decomposition to find the area of a figure.
	7.3 Areas of Trapezoids and Kites	<p>Find areas of trapezoids, kites, and composite figures.</p> <ul style="list-style-type: none"> • I can explain how the area of a parallelogram is used to find the area of a trapezoid. • I can decompose trapezoids and kites into smaller shapes. • I can use decomposition to find the area of a figure. • I can use the bases and the height of a trapezoid to find its area.

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Learning Targets and Success Criteria
Grade 6

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 7 continued	7.4 Surface Areas of Pyramids	Represent pyramids using nets and use nets to find surface areas of pyramids.	<ul style="list-style-type: none"> • I can draw nets to represent pyramids. • I can use nets to find surface areas of pyramids. • I can apply surface areas of pyramids to solve real-life problems.
	7.5 Volumes of Rectangular Prisms	Find volumes and missing dimensions of rectangular prisms.	<ul style="list-style-type: none"> • I can use a formula to find the volume of a rectangular prism. • I can use a formula to find the volume of a cube. • I can use the volume of a rectangular prism and two of its dimensions to find the other dimension. • I can apply volumes of rectangular prisms to solve real-life problems.
	7.6 Three-Dimensional Figures	Describe and draw three-dimensional figures.	<ul style="list-style-type: none"> • I can find the numbers of faces, edges, and vertices of a three-dimensional figure. • I can draw prisms and pyramids. • I can draw the front, side, and top views of a three-dimensional figure.
	7.7 Surface Areas of Prisms	Represent prisms using nets and use nets to find surface areas of prisms.	<ul style="list-style-type: none"> • I can draw nets to represent prisms. • I can use nets to find surface areas of prisms. • I can use a formula to find the surface area of a cube. • I can apply surface areas of prisms to solve real-life problems.

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Learning Targets and Success Criteria
Grade 6

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 8: Integers, Number Lines, and the Coordinate Plane			
<p><u>Chapter Learning Target</u> Understand integers.</p> <p><u>Chapter Success Criteria</u></p> <ul style="list-style-type: none"> • Write integers to represent quantities. • Describe quantities. • Order and compare quantities. • Apply integers to model real-life problems. 	8.1 Integers	Understand the concept of negative numbers and that they are used along with positive numbers to describe quantities.	<ul style="list-style-type: none"> • I can write integers to represent quantities in real life. • I can graph integers on a number line. • I can find the opposite of an integer. • I can apply integers to model real-life problems.
	8.2 Comparing and Ordering Integers	Compare and order integers.	<ul style="list-style-type: none"> • I can explain how to determine which of two integers is greater. • I can order a set of integers from least to greatest. • I can interpret statements about order in real-life problems.
	8.3 Rational Numbers	Compare and order rational numbers.	<ul style="list-style-type: none"> • I can explain the meaning of a rational number. • I can graph rational numbers on a number line. • I can determine which of two rational numbers is greater. • I can order a set of rational numbers from least to greatest.
	8.4 Absolute Value	Understand the concept of absolute value.	<ul style="list-style-type: none"> • I can find the absolute value of a number. • I can make comparisons that involve absolute values of numbers. • I can apply absolute value in real-life problems.

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Learning Targets and Success Criteria
Grade 6

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 8 continued	8.5 The Coordinate Plane	Plot and reflect ordered pairs in all four quadrants of a coordinate plane.	<ul style="list-style-type: none"> • I can identify ordered pairs in a coordinate plane • I can plot ordered pairs in a coordinate plane and describe their locations. • I can reflect points in the x-axis, the y-axis, or both axes. • I can apply plotting points in all four quadrants to solve real-life problems.
	8.6 Polygons in the Coordinate Plane	Draw polygons in the coordinate plane and find distances between points in the coordinate plane.	<ul style="list-style-type: none"> • I can draw polygons in the coordinate plane. • I can find distances between points in the coordinate plane with the same x-coordinates or the same y-coordinates. • I can find horizontal and vertical side lengths of polygons in the coordinate plane. • I can draw polygons in the coordinate plane to solve real-life problems.
	8.7 Writing and Graphing Inequalities	Write inequalities and represent solutions of inequalities on number lines.	<ul style="list-style-type: none"> • I can write word sentences as inequalities. • I can determine whether a value is a solution of an inequality. • I can graph the solutions of inequalities.

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Learning Targets and Success Criteria
Grade 6

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 8 continued			
	8.8 Solving Inequalities	Write and solve inequalities.	<ul style="list-style-type: none">• I can apply the properties of inequality to generate equivalent inequalities.• I can solve inequalities using addition or subtraction.• I can solve inequalities using multiplication or division.• I can write and solve inequalities that represent real-life problems

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Learning Targets and Success Criteria
Grade 6

<u>Learning Target</u>		<u>Success Criteria</u>
Chapter 9: Statistical Measures		
<p>Chapter Learning Target Understand statistical measures.</p> <p>Chapter Success Criteria</p> <ul style="list-style-type: none"> • Construct a data set. • Explain how a data set can be interpreted. • Find and interpret the measures of center and the measures of variation for a data set. • Compare the measures of center and the measures of variation for data sets. 	9.1 Introduction to Statistics	<p>Identify statistical questions and use data to answer statistical questions.</p> <ul style="list-style-type: none"> • I can recognize questions that anticipate a variety of answers. • I can construct and interpret a dot plot. • I can use data to answer a statistical question.
	9.2 Mean	<p>Find and interpret the mean of a data set.</p> <ul style="list-style-type: none"> • I can explain how the mean summarizes a data set with a single number. • I can find the mean of a data set. • I can use the mean of a data set to answer a statistical question.
	9.3 Measures of Center	<p>Find and interpret the median and mode of a data set.</p> <ul style="list-style-type: none"> • I can explain how the median and mode summarize a data set with a single number. • I can find the median and mode of a data set. • I can explain how changes to a data set affect the measures of center. • I can use a measure of center to answer a statistical question.
	9.4 Measures of Variation	<p>Find and interpret the range and interquartile range of a data set.</p> <ul style="list-style-type: none"> • I can explain how the range and interquartile range describe the variability of a data set with a single number. • I can find the range and interquartile range of a data set. • I can use the interquartile range to identify outliers.

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Learning Targets and Success Criteria
Grade 6

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 9 continued			
	9.5 Mean Absolute Deviation	Find and interpret the mean absolute deviation of a data set.	<ul style="list-style-type: none">• I can explain how the mean absolute deviation describes the variability of a data set with a single number.• I can find the mean absolute deviation of a data set.• I can compare data sets using the mean absolute deviation to draw conclusions.

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Learning Targets and Success Criteria
Grade 6

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 10: Data Displays			
<p>Chapter Learning Target Understand data displays.</p> <p>Chapter Success Criteria</p> <ul style="list-style-type: none"> Construct a data display. Interpret data in a data display. Choose the appropriate measures of center and variation to describe a data set. Compare data sets. 	10.1 Stem-and-Leaf Plots	Display and interpret data in stem-and-leaf plots.	<ul style="list-style-type: none"> I can explain how to choose stems and leaves of a data set. I can make and interpret a stem-and-leaf plot. I can use a stem-and-leaf plot to describe the distribution of a data set.
	10.2 Histograms	Display and interpret data in histograms.	<ul style="list-style-type: none"> I can explain how to draw a histogram. I can make and interpret a histogram. I can determine whether a question can be answered using a histogram.
	10.3 Shapes of Distributions	Describe and compare shapes of distributions.	<ul style="list-style-type: none"> I can explain what it means for a distribution to be skewed left, skewed right, or symmetric. I can use data displays to describe shapes of distributions. I can use shapes of distributions to compare data sets.
	10.4 Choosing Appropriate Measures	Determine which measures of center and variation best describe a data set.	<ul style="list-style-type: none"> I can describe the shape of a distribution. I can use the shape of a distribution to determine which measure of center best describes the data. I can use the shape of a distribution to determine which measure of variation best describes the data.

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Learning Targets and Success Criteria
Grade 6

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 10 continued			
	10.5 Box-and-Whisker Plots	Display and interpret data in box-and-whisker plots.	<ul style="list-style-type: none">• I can find the five-number summary of a data set.• I can make a box-and-whisker plot.• I can explain what the box and the whiskers of a box-and-whisker plot represent.• I can compare data sets represented by box-and-whisker plots.

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Learning Targets and Success Criteria
Grade 7 Accelerated

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 1: Adding and Subtracting Rational Numbers			
<p><u>Chapter Learning Target</u> Understand adding and subtracting rational numbers.</p> <p><u>Chapter Success Criteria</u></p> <ul style="list-style-type: none"> Represent rational numbers on a number line. Explain the rules for adding and subtracting integers using absolute value. Apply addition and subtraction with rational numbers to model real-life problems. Solve problems involving addition and subtraction of rational numbers. 	1.1 Rational Numbers	Understand absolute values and ordering of rational numbers.	<ul style="list-style-type: none"> I can graph rational numbers on a number line. I can find the absolute value of a rational number. I can use a number line to compare rational numbers.
	1.2 Adding Integers	Find sums of integers.	<ul style="list-style-type: none"> I can explain how to model addition of integers on a number line. I can find sums of integers by reasoning about absolute values. I can explain why the sum of a number and its opposite is 0.
	1.3 Adding Rational Numbers	Find sums of rational numbers.	<ul style="list-style-type: none"> I can explain how to model addition of rational numbers on a number line. I can find sums of rational numbers by reasoning about absolute values. I can use properties of addition to efficiently add rational numbers.
	1.4 Subtracting Integers	Find differences of integers.	<ul style="list-style-type: none"> I can explain how subtracting integers is related to adding integers. I can explain how to model subtraction of integers on a number line. I can find differences of integers by reasoning about absolute values.
	1.5 Subtracting Rational Numbers	Find differences of rational numbers and find distances between numbers on a number line.	<ul style="list-style-type: none"> I can explain how to model subtraction of rational numbers on a number line. I can find differences of rational numbers by reasoning about absolute values. I can find distances between numbers on a number line.

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Learning Targets and Success Criteria
Grade 7 Accelerated

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 2: Multiplying and Dividing Rational Numbers			
<p><u>Chapter Learning Target</u> Understand multiplying and dividing rational numbers.</p> <p><u>Chapter Success Criteria</u></p> <ul style="list-style-type: none"> • Explain the rules for multiplying integers. • Explain the rules for dividing integers. • Evaluate expressions involving rational numbers. • Solve real-life problems involving multiplication and division of rational numbers. 	2.1 Multiplying Integers	Find products of integers.	<ul style="list-style-type: none"> • I can explain the rules for multiplying integers. • I can find products of integers with the same sign. • I can find products of integers with different signs.
	2.2 Dividing Integers	Find quotients of integers.	<ul style="list-style-type: none"> • I can explain the rules for dividing integers. • I can find quotients of integers with the same sign. • I can find quotients of integers with different signs.
	2.3 Converting Between Fractions and Decimals	Convert between different forms of rational numbers.	<ul style="list-style-type: none"> • I can explain the difference between terminating and repeating decimals. • I can write fractions and mixed numbers as decimals. • I can write decimals as fractions and mixed numbers.
	2.4 Multiplying Rational Numbers	Find products of rational numbers.	<ul style="list-style-type: none"> • I can explain the rules for multiplying rational numbers. • I can find products of rational numbers with the same sign. • I can find products of rational numbers with different signs.

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Learning Targets and Success Criteria
Grade 7 Accelerated

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 2 continued			
	2.5 Dividing Rational Numbers	Find quotients of rational numbers.	<ul style="list-style-type: none">• I can explain the rules for dividing rational numbers.• I can find quotients of rational numbers with the same sign.• I can find quotients of rational numbers with different signs.

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Learning Targets and Success Criteria
Grade 7 Accelerated

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 3: Expressions			
<p>Chapter Learning Target Understand algebraic expressions.</p> <p>Chapter Success Criteria</p> <ul style="list-style-type: none"> Identify parts of an algebraic expression. Write algebraic expressions. Solve problems using algebraic expressions. Interpret algebraic expressions in real-life problems. 	3.1 Algebraic Expressions	Simplify algebraic expressions.	<ul style="list-style-type: none"> I can identify terms and like terms of algebraic expressions. I can combine like terms to simplify algebraic expressions. I can write and simplify algebraic expressions to solve real-life problems.
	3.2 Adding and Subtracting Linear Expressions	Find sums and differences of linear expressions.	<ul style="list-style-type: none"> I can explain the difference between linear and nonlinear expressions. I can find opposites of terms that include variables. I can apply properties of operations to add and subtract linear expressions.
	3.3 The Distributive Property	Apply the Distributive Property to generate equivalent expressions.	<ul style="list-style-type: none"> I can explain how to apply the Distributive Property. I can use the Distributive Property to simplify algebraic expressions.
	3.4 Factoring Expressions	Factor algebraic expressions.	<ul style="list-style-type: none"> I can identify the greatest common factor of terms, including variable terms. I can use the Distributive Property to factor algebraic expressions. I can write a term as a product involving a given factor.

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Learning Targets and Success Criteria
Grade 7 Accelerated

		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 4: Equations and Inequalities			
<p><u>Chapter Learning Target</u> Understand equations and inequalities.</p> <p><u>Chapter Success Criteria</u></p> <ul style="list-style-type: none"> Identify key words and phrases to write equations and inequalities. Write word sentences as equations and inequalities. Solve equations and inequalities using properties. Use equations and inequalities to model and solve real-life problems. 	4.1 Solving Equations Using Addition or Subtraction	Write and solve equations using addition or subtraction.	<ul style="list-style-type: none"> I can apply the Addition and Subtraction Properties of Equality to produce equivalent equations. I can solve equations using addition or subtraction. I can apply equations involving addition or subtraction to solve real-life problems.
	4.2 Solving Equations Using Multiplication or Division	Write and solve equations using multiplication or division.	<ul style="list-style-type: none"> I can apply the Multiplication and Division Properties of Equality to produce equivalent equations. I can solve equations using multiplication or division. I can apply equations involving multiplication or division to solve real-life problems.
	4.3 Solving Two-Step Equations	Write and solve two-step equations.	<ul style="list-style-type: none"> I can apply properties of equality to produce equivalent equations. I can solve two-step equations using the basic operations. I can apply two-step equations to solve real-life problems.
	4.4 Writing and Graphing Inequalities	Write inequalities and represent solutions of inequalities on number lines.	<ul style="list-style-type: none"> I can write word sentences as inequalities. I can determine whether a value is a solution of an inequality. I can graph the solutions of inequalities.

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		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 4 continued	4.5 Solving Inequalities Using Addition or Subtraction	Write and solve inequalities using addition or subtraction.	<ul style="list-style-type: none"> • I can apply the Addition and Subtraction Properties of Inequality to produce equivalent inequalities. • I can solve inequalities using addition or subtraction. • I can apply inequalities involving addition or subtraction to solve real-life problems.
	4.6 Solving Inequalities Using Multiplication or Division	Write and solve inequalities using multiplication or division.	<ul style="list-style-type: none"> • I can apply the Multiplication and Division Properties of Inequality to produce equivalent inequalities. • I can solve inequalities using multiplication or division. • I can apply inequalities involving multiplication or division to solve real-life problems.
	4.7 Solving Two-Step Inequalities	Write and solve two-step inequalities.	<ul style="list-style-type: none"> • I can apply properties of inequality to generate equivalent inequalities. • I can solve two-step inequalities using the basic operations. • I can apply two-step inequalities to solve real-life problems.

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		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 5: Ratios and Proportions			
<p>Chapter Learning Target Understand ratios and proportions.</p> <p>Chapter Success Criteria</p> <ul style="list-style-type: none"> • Write and interpret ratios. • Describe ratio relationships and proportional relationships. • Represent equivalent ratios. • Model ratio relationships and proportional relationships to solve real-life problems. 	5.1 Ratios and Ratio Tables	Understand ratios of rational numbers and use ratio tables to represent equivalent ratios.	<ul style="list-style-type: none"> • I can write and interpret ratios involving rational numbers. • I can use various operations to create tables of equivalent ratios. • I can use ratio tables to solve ratio problems.
	5.2 Rates and Unit Rates	Understand rates involving fractions and use unit rates to solve problems.	<ul style="list-style-type: none"> • I can find unit rates for rates involving fractions. • I can use unit rates to solve rate problems.
	5.3 Identifying Proportional Relationships	Determine whether two quantities are in a proportional relationship.	<ul style="list-style-type: none"> • I can determine whether ratios form a proportion. • I can explain how to determine whether quantities are proportional. • I can distinguish between proportional and nonproportional situations.
	5.4 Writing and Solving Proportions	Use proportions to solve ratio problems.	<ul style="list-style-type: none"> • I can solve proportions using various methods. • I can find a missing value that makes two ratios equivalent. • I can use proportions to represent and solve real-life problems.

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		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 5 continued	5.5 Graphs of Proportional Relationships	Represent proportional relationships using graphs and equations.	<ul style="list-style-type: none"> • I can determine whether quantities are proportional using a graph. • I can find the unit rate of a proportional relationship using a graph. • I can create equations to represent proportional relationships.
	5.6 Scale Drawings	Solve problems involving scale drawings.	<ul style="list-style-type: none"> • I can find an actual distance in a scale drawing. • I can explain the meaning of scale and scale factor. • I can use a scale drawing to find the actual lengths and areas of real-life objects.

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		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 6: Percents			
<p><u>Chapter Learning Target</u> Understand fractions, decimals, and percents.</p> <p><u>Chapter Success Criteria</u></p> <ul style="list-style-type: none"> • Rewrite fractions, decimals, and percents. • Compare and order fractions, decimals, and percents. • Use the percent proportion or percent equation to find a percent, a part, or a whole. • Apply percents to solve real-life problems. 	6.1 Fractions, Decimals, and Percents	Rewrite fractions, decimals, and percents using different representations.	<ul style="list-style-type: none"> • I can write percents as decimals and decimals as percents. • I can write fractions as decimals and percents. • I can compare and order fractions, decimals, and percents.
	6.2 The Percent Proportion	Use the percent proportion to find missing quantities.	<ul style="list-style-type: none"> • I can write proportions to represent percent problems. • I can solve a proportion to find a percent, a part, or a whole.
	6.3 The Percent Equation	Use the percent equation to find missing quantities.	<ul style="list-style-type: none"> • I can write equations to represent percent problems. • I can use the percent equation to find a percent, a part, or a whole.
	6.4 Percents of Increase and Decrease	Find percents of change in quantities.	<ul style="list-style-type: none"> • I can explain the meaning of percent of change. • I can find the percent of increase or decrease in a quantity. • I can find the percent error of a quantity.
	6.5 Discounts and Markups	Solve percent problems involving discounts and markups.	<ul style="list-style-type: none"> • I can use percent models to solve problems involving discounts and markups. • I can write and solve equations to solve problems involving discounts and markups.
	6.6 Simple Interest	Understand and apply the simple interest formula.	<ul style="list-style-type: none"> • I can explain the meaning of simple interest. • I can use the simple interest formula to solve problems.

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		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 7: Probability			
<p>Chapter Learning Target Understand probability.</p> <p>Chapter Success Criteria</p> <ul style="list-style-type: none"> Identify the possible outcomes of a situation. Explain the meaning of experimental and theoretical probability. Make predictions using probabilities. Solve real-life problems using probability. 	7.1 Probability	Understand how the probability of an event indicates its likelihood.	<ul style="list-style-type: none"> I can identify possible outcomes of an experiment. I can use probability and relative frequency to describe the likelihood of an event. I can use relative frequency to make predictions.
	7.2 Experimental and Theoretical Probability	Develop probability models using experimental and theoretical probability.	<ul style="list-style-type: none"> I can explain the meanings of experimental probability and theoretical probability. I can find experimental and theoretical probabilities. I can use probability to make predictions.
	7.3 Compound Events	Find sample spaces and probabilities of compound events.	<ul style="list-style-type: none"> I can find the sample space of two or more events. I can find the total number of possible outcomes of two or more events. I can find probabilities of compound events.
	7.4 Simulations	Design and use simulations to find probabilities of compound events.	<ul style="list-style-type: none"> I can design a simulation to model a real-life situation. I can recognize favorable outcomes in a simulation. I can use simulations to find experimental probabilities.

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		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 8: Statistics			
<p><u>Chapter Learning Target</u> Understand statistics.</p> <p><u>Chapter Success Criteria</u></p> <ul style="list-style-type: none"> • Determine the validity of a conclusion. • Explain variability in samples of a population. • Solve a problem using statistics. • Compare populations. 	8.1 Samples and Populations	Understand how to use random samples to make conclusions about a population.	<ul style="list-style-type: none"> • I can explain why a sample is biased or unbiased. • I can explain why conclusions made from a biased sample may not be valid. • I can use an unbiased sample to make a conclusion about a population.
	8.2 Using Random Samples to Describe Populations	Understand variability in samples of a population.	<ul style="list-style-type: none"> • I can use multiple random samples to make conclusions about a population. • I can use multiple random samples to examine variation in estimates.
	8.3 Comparing Populations	Compare populations using measures of center and variation.	<ul style="list-style-type: none"> • I can find the measures of center and variation of a data set. • I can describe the visual overlap of two data distributions numerically. • I can determine whether there is a significant difference in the measures of center of two data sets.
	8.4 Using Random Samples to Compare Populations	Use random samples to compare populations.	<ul style="list-style-type: none"> • I can compare random samples using measures of center and variation. • I can recognize whether random samples are likely to be representative of a population. • I can compare populations using multiple random samples.

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		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 9: Geometric Shapes and Angles			
<p>Chapter Learning Target Understand geometry.</p> <p>Chapter Success Criteria</p> <ul style="list-style-type: none"> Explain how to find the circumference of a circle. Find the areas of circles and composite figures. Solve problems involving angle measures. Construct a polygon. 	9.1 Circles and Circumference	Find the circumference of a circle.	<ul style="list-style-type: none"> I can explain the relationship between the diameter and circumference of a circle. I can use a formula to find the circumference of a circle.
	9.2 Areas of Circles	Find the area of a circle.	<ul style="list-style-type: none"> I can estimate the area of a circle. I can use a formula to find the area of a circle.
	9.3 Perimeters and Areas of Composite Figures	Find perimeters and areas of composite figures.	<ul style="list-style-type: none"> I can use a grid to estimate perimeters and areas. I can identify the shapes that make up a composite figure. I can find the perimeters and areas of shapes that make up composite figures.
	9.4 Constructing Polygons	Construct a polygon with given measures.	<ul style="list-style-type: none"> I can use technology to draw polygons. I can determine whether given measures result in one triangle, many triangles, or no triangle. I can draw polygons given angle measures or side lengths.
	9.5 Finding Unknown Angle Measures	Use facts about angle relationships to find unknown angle measures.	<ul style="list-style-type: none"> I can identify adjacent, complementary, supplementary, and vertical angles. I can use equations to find unknown angle measures. I can find unknown angle measures in real-life situations.

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		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 10: Surface Area and Volume			
<p>Chapter Learning Target Understand surface area and volume.</p> <p>Chapter Success Criteria</p> <ul style="list-style-type: none"> Describe the surface area and volume of different shapes. Use formulas to find surface areas and volumes of solids. Solve real-life problems involving surface area and volume. Describe cross sections of solids. 	10.1 Surface Areas of Prisms	Find the surface area of a prism.	<ul style="list-style-type: none"> I can use a formula to find the surface area of a prism. I can find the lateral surface area of a prism.
	10.2 Surface Areas of Cylinders	Find the surface area of a cylinder.	<ul style="list-style-type: none"> I can use a formula to find the surface area of a cylinder. I can find the lateral surface area of a cylinder.
	10.3 Surface Areas of Pyramids	Find the surface area of a pyramid.	<ul style="list-style-type: none"> I can use a net to find the surface area of a regular pyramid. I can find the lateral surface area of a regular pyramid.
	10.4 Volumes of Prisms	Find the volume of a prism.	<ul style="list-style-type: none"> I can use a formula to find the volume of a prism. I can use the formula for the volume of a prism to find a missing dimension.
	10.5 Volumes of Pyramids	Find the volume of a pyramid.	<ul style="list-style-type: none"> I can use a formula to find the volume of a pyramid. I can use the volume of a pyramid to solve a real-life problem.
	10.6 Cross Sections of Three-Dimensional Figures	Describe the cross sections of a solid.	<ul style="list-style-type: none"> I can explain the meaning of a cross section. I can describe cross sections of prisms and pyramids. I can describe cross sections of cylinders and cones.

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		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 11: Transformations			
<p>Chapter Learning Target Understand transformations.</p> <p>Chapter Success Criteria</p> <ul style="list-style-type: none"> Identify a translation. Describe a transformation. Describe a sequence of rigid motions between two congruent figures. Solve real-life problems involving transformations. 	11.1 Translations	Translate figures in the coordinate plane.	<ul style="list-style-type: none"> I can identify a translation. I can find the coordinates of a translated figure. I can use coordinates to translate a figure.
	11.2 Reflections	Reflect figures in the coordinate plane.	<ul style="list-style-type: none"> I can identify a reflection. I can find the coordinates of a figure reflected in an axis. I can use coordinates to reflect a figure in the x- or y-axis.
	11.3 Rotations	Rotate figures in the coordinate plane.	<ul style="list-style-type: none"> I can identify a rotation. I can find the coordinates of a figure rotated about the origin. I can use coordinates to rotate a figure about the origin.
	11.4 Congruent Figures	Understand the concept of congruent figures.	<ul style="list-style-type: none"> I can identify congruent figures. I can describe a sequence of rigid motions between two congruent figures.
	11.5 Dilations	Dilate figures in the coordinate plane.	<ul style="list-style-type: none"> I can identify a dilation. I can find the coordinates of a figure dilated with respect to the origin. I can use coordinates to dilate a figure with respect to the origin.
	11.6 Similar Figures	Understand the concept of similar figures.	<ul style="list-style-type: none"> I can identify similar figures. I can describe a similarity transformation between two similar figures.

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		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 11 continued			
	11.7 Perimeters and Areas of Similar Figures	Find perimeters and areas of similar figures.	<ul style="list-style-type: none">• I can use corresponding side lengths to compare perimeters of similar figures.• I can use corresponding side lengths to compare areas of similar figures.• I can use similar figures to solve real-life problems involving perimeter and area.

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<u>Learning Target</u>		<u>Success Criteria</u>
Chapter 12: Angles and Triangles		
Chapter Learning Target Understand angles.	12.1 Parallel Lines and Transversals	Find missing angle measures created by the intersections of lines.
Chapter Success Criteria <ul style="list-style-type: none"> • Identify angle relationships. • Find angle measurements. • Compare angles. • Apply angle relationships to solve real-life problems. 	12.2 Angles of Triangles	Understand properties of interior and exterior angles of triangles.
	12.3 Angles of Polygons	Find interior angle measures of polygons.
	12.4 Using Similar Triangles	Use similar triangles to find missing measures.
		<ul style="list-style-type: none"> • I can identify congruent angles when a transversal intersects parallel lines. • I can find angle measures when a transversal intersects parallel lines. • I can use equations to find missing angle measures of triangles. • I can use interior and exterior angles of a triangle to solve real-life problems. • I can explain how to find the sum of the interior angle measures of a polygon. • I can use an equation to find an interior angle measure of a polygon. • I can find the interior angle measures of a regular polygon. • I can use angle measures to determine whether triangles are similar. • I can use similar triangles to solve real-life problems.

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		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 13: Graphing and Writing Linear Equations			
<p><u>Chapter Learning Target</u> Understand graphing linear equations.</p> <p><u>Chapter Success Criteria</u></p> <ul style="list-style-type: none"> Identify key features of a graph. Explain the meaning of different forms of linear equations. Interpret the slope and intercepts of a line. Create graphs of linear equations. 	13.1 Graphing Linear Equations	Graph linear equations.	<ul style="list-style-type: none"> I can create a table of values and write ordered pairs given a linear equation. I can plot ordered pairs to create a graph of a linear equation. I can use a graph of a linear equation to solve a real-life problem.
	13.2 Slope of a Line	Find and interpret the slope of a line.	<ul style="list-style-type: none"> I can explain the meaning of slope. I can find the slope of a line. I can interpret the slope of a line in a real-life problem.
	13.3 Graphing Proportional Relationships	Graph proportional relationships.	<ul style="list-style-type: none"> I can graph an equation that represents a proportional relationship. I can write an equation that represents a proportional relationship. I can use graphs to compare proportional relationships.
	13.4 Graphing Linear Equations in Slope-Intercept Form	Graph linear equations in slope-intercept form.	<ul style="list-style-type: none"> I can identify the slope and y-intercept of a line given an equation. I can rewrite a linear equation in slope-intercept form. I can use the slope and y-intercept to graph linear equations.

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		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 13 continued	13.5 Graphing Linear Equations in Standard Form	Graph linear equations in standard form.	<ul style="list-style-type: none"> • I can rewrite the standard form of a linear equation in slope-intercept form. • I can find intercepts of linear equations written in standard form. • I can use intercepts to graph linear equations.
	13.6 Writing Equations in Slope-Intercept Form	Write equations of lines in slope-intercept form.	<ul style="list-style-type: none"> • I can find the slope and the y-intercept of a line. • I can use the slope and the y-intercept to write an equation of a line. • I can write equations in slope-intercept form to solve real-life problems.
	13.7 Writing Equations in Point-Slope Form	Write equations of lines in point-slope form.	<ul style="list-style-type: none"> • I can use a point on a line and the slope to write an equation of the line. • I can use any two points to write an equation of a line. • I can write equations in point-slope form to solve real-life problems.

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		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 14: Exponents and Scientific Notation			
<p>Chapter Learning Target Understand exponents and scientific notation.</p> <p>Chapter Success Criteria</p> <ul style="list-style-type: none"> • Write products using exponents. • Describe the value of powers. • Evaluate expressions. • Compare quantities using scientific notation. 	14.1 Exponents	Use exponents to write and evaluate expressions.	<ul style="list-style-type: none"> • I can write products using exponents. • I can evaluate expressions involving powers. • I can use exponents to solve real-life problems.
	14.2 Product of Powers Property	Generate equivalent expressions involving products of powers.	<ul style="list-style-type: none"> • I can find products of powers that have the same base. • I can find powers of powers. • I can find powers of products.
	14.3 Quotient of Powers Property	Generate equivalent expressions involving quotients of powers.	<ul style="list-style-type: none"> • I can find quotients of powers that have the same base. • I can simplify expressions using the Quotient of Powers Property. • I can solve real-life problems involving quotients of powers.
	14.4 Zero and Negative Exponents	Understand the concepts of zero and negative exponents.	<ul style="list-style-type: none"> • I can explain the meanings of zero and negative exponents. • I can evaluate numerical expressions involving zero and negative exponents. • I can simplify algebraic expressions involving zero and negative exponents.
	14.5 Estimating Quantities	Round numbers and write the results as the product of a single digit and a power of 10.	<ul style="list-style-type: none"> • I can round very large and very small numbers. • I can write a multiple of 10 as a power. • I can compare very large or very small quantities.

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		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 14 continued	14.6 Scientific Notation	Understand the concept of scientific notation.	<ul style="list-style-type: none"> • I can convert between scientific notation and standard form. • I can choose appropriate units to represent quantities. • I can use scientific notation to solve real-life problems.
	14.7 Operations in Scientific Notation	Perform operations with numbers written in scientific notation.	<ul style="list-style-type: none"> • I can explain how to add and subtract numbers in scientific notation. • I can explain how to multiply and divide numbers in scientific notation. • I can use operations in scientific notation to solve real-life problems.

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		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 15: Real Numbers and the Pythagorean Theorem			
<p>Chapter Learning Target Understand square roots.</p> <p>Chapter Success Criteria</p> <ul style="list-style-type: none"> Describe a square root. Find the square root(s) of a number. Approximate the value of the square root of a number. Explain the Pythagorean Theorem. 	15.1 Finding Square Roots	Understand the concept of a square root of a number.	<ul style="list-style-type: none"> I can find square roots of numbers. I can evaluate expressions involving square roots. I can use square roots to solve equations.
	15.2 The Pythagorean Theorem	Understand the Pythagorean Theorem.	<ul style="list-style-type: none"> I can explain the Pythagorean Theorem. I can use the Pythagorean Theorem to find unknown side lengths of triangles. I can use the Pythagorean Theorem to find distances between points in a coordinate plane.
	15.3 Finding Cube Roots	Understand the concept of a cube root of a number.	<ul style="list-style-type: none"> I can find cube roots of numbers. I can evaluate expressions involving cube roots. I can use cube roots to solve equations.
	15.4 Rational Numbers	Convert between different forms of rational numbers.	<ul style="list-style-type: none"> I can explain the meaning of rational numbers. I can write fractions and mixed numbers as decimals. I can write repeating decimals as fractions or mixed numbers.
	15.5 Irrational Numbers	Understand the concept of irrational numbers.	<ul style="list-style-type: none"> I can classify real numbers as rational or irrational. I can approximate irrational numbers. I can solve real-life problems involving irrational numbers.

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		<u>Learning Target</u>	<u>Success Criteria</u>
Chapter 15 continued			
	15.6 The Converse of the Pythagorean Theorem	Understand the converse of the Pythagorean Theorem.	<ul style="list-style-type: none">• I can explain the converse of the Pythagorean Theorem.• I can identify right triangles given three side lengths.• I can identify right triangles in a coordinate plane.

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<u>Learning Target</u>		<u>Success Criteria</u>
Chapter 16: Volume and Similar Solids		
<p>Chapter Learning Target Understand volume.</p> <p>Chapter Success Criteria</p> <ul style="list-style-type: none"> • Explain how to find the volumes of cylinders, cones, and spheres. • Use formulas to find volumes of solids. • Find missing dimensions of solids. • Find surface areas and volumes of similar solids. 	16.1 Volumes of Cylinders	Find the volume of a cylinder.
	16.2 Volumes of Cones	Find the volume of a cone.
	16.3 Volumes of Spheres	Find the volume of a sphere.
	16.4 Surface Areas and Volumes of Similar Solids	Find the surface areas and volumes of similar solids.
		<ul style="list-style-type: none"> • I can use a formula to find the volume of a cylinder. • I can use the formula for the volume of a cylinder to find a missing dimension. • I can use a formula to find the volume of a cone. • I can use the formula for the volume of a cone to find a missing dimension. • I can use a formula to find the volume of a sphere. • I can use the formula for the volume of a sphere to find the radius. • I can find volumes of composite solids. • I can use corresponding dimensions to determine whether solids are similar. • I can use corresponding dimensions to find missing measures in similar solids. • I can use linear measures to find surface areas and volumes of similar solids.

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		<u>Learning Target</u>	<u>Success Criteria</u>
Additional Topics	Topic 1 Solving Multi-Step Equations	Write and solve multi-step equations.	<ul style="list-style-type: none"> • I can apply properties to produce equivalent equations. • I can solve multi-step equations. • I can use multi-step equations to model and solve real-life problems.
	Topic 2 Solving Equations with Variables on Both Sides	Write and solve equations with variables on both sides.	<ul style="list-style-type: none"> • I can explain how to solve an equation with variables on both sides. • I can determine whether an equation has one solution, no solution, or infinitely many solutions. • I can use equations with variables in both sides to model and solve real-life problems.
	Topic 3 Rewriting Equations and Formulas	Solve literal equations for given variables and convert temperatures.	<ul style="list-style-type: none"> • I can use properties of equality to rewrite literal equations. • I can use a formula to convert temperatures.

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Learning Targets and Success Criteria
Algebra 1

Chapter	Learning Target	Success Criteria
Chapter 1: Solving Linear Equations	Understand solving linear equations.	<ul style="list-style-type: none"> • I can describe how to solve simple equations. • I can solve multi-step equations. • I can solve absolute value equations. • I can rewrite equations and formulas.
Chapter 2: Solving Linear Inequalities	Understand solving linear inequalities.	<ul style="list-style-type: none"> • I can graph inequalities. • I can solve one-step inequalities. • I can solve multi-step inequalities. • I can solve compound and absolute value inequalities.
Chapter 3: Graphing Linear Functions	Understand graphing linear functions.	<ul style="list-style-type: none"> • I can determine whether relations are functions. • I can identify linear functions. • I can graph linear equations. • I can describe transformations of graphs of linear functions.
Chapter 4: Writing Linear Functions	Understand writing linear functions.	<ul style="list-style-type: none"> • I can identify and write different forms of linear equations. • I can interpret scatter plots and identify the correlation between data sets. • I can analyze lines of fit. • I can write a function that represents an arithmetic sequence to solve real-life problems.
Chapter 5: Solving Systems of Linear Equations	Understand solving systems of linear equations.	<ul style="list-style-type: none"> • I can define a system of linear equations. • I can describe different methods for solving systems of linear equations. • I can solve systems of linear equations. • I can solve systems of linear inequalities.

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Learning Targets and Success Criteria
Algebra 1

Chapter	Learning Target	Success Criteria
Chapter 6: Exponential Functions and Sequences	Understand exponential functions and sequences.	<ul style="list-style-type: none"> • I can identify and use properties of exponents. • I can model exponential functions. • I can solve exponential equations. • I can write an explicit and a recursive rule for a geometric sequence.
Chapter 7: Polynomial Equations and Factoring	Understand polynomial equations and factoring.	<ul style="list-style-type: none"> • I can classify polynomials by degree and number of terms. • I can add, subtract, and multiply polynomials. • I can solve polynomial equations. • I can factor polynomials and use factoring to solve real-life problems.
Chapter 8: Graphing Quadratic Functions	Understand graphing quadratic functions.	<ul style="list-style-type: none"> • I can identify characteristics of quadratic functions. • I can describe how to graph quadratic functions in different forms. • I can use intercept form to find zeros of functions. • I can choose an appropriate function to model data.
Chapter 9: Solving Quadratic Equations	Understand solving quadratic equations.	<ul style="list-style-type: none"> • I can simplify expressions using properties of radicals. • I can describe different methods for solving quadratic equations. • I can solve quadratics equations. • I can solve systems of nonlinear equations graphically and algebraically.
Chapter 10: Radical Functions and Equations	Understand radical functions and equations.	<ul style="list-style-type: none"> • I can identify the domain and range of radical functions. • I can graph square root and cube root functions. • I can solve radical equations. • I can find inverses of relations and functions.
Chapter 11: Data Analysis and Displays	Understand data.	<ul style="list-style-type: none"> • I can interpret data displays. • I can describe the shapes of data distributions. • I can represent data in different ways. • I can analyze data.