

Scope and Sequence: Grade Level Map



6: Ratios and Rates

Module 1 Ratios, Rates, and Percents	Module 2 Operations with Fractions and Multi-Digit Numbers	Module 3 Rational Numbers	Module 4 Expressions and One-Step Equations	Module 5 Area, Surface Area, and Volume	Module 6 Statistics, Probability, and Populations
Topic A: Ratios Lesson 1: Jars of Jelly	Topic A: Factors, Multiples, and Divisibility	Topic A: Integers and Rational Numbers	Topic A: Numerical Expressions	Topic A: Areas of Polygons	Topic A: Understanding Distributions
 Lesson 1: Jars of Jelly Beans Use multiplicative reasoning to estimate the solution to a real-world problem. NY-6.RP.3, MP3, 6.Mod1.AD3 Lesson 2: Introduction to Ratios Write ratios that relate two quantities as an ordered pair of numbers. Use ratio language to compare two quantities. NY-6.RP.1, MP2, 6.Mod1.AD1 Lesson 3: Ratios and Tape Diagrams Write multiple ratios to describe the same situation. Represent ratios with tape diagrams. NY-6.RP.1, NY-6.RP.3, MP6, 6.Mod1.AD1, 6.Mod1.AD3 Lesson 4: Exploring Ratios by Making Batches Create ratios by making batches of different quantities. Use tape diagrams to determine unknown quantities in ratios. NY-6.RP.1, NY-6.RP.3, MP8, 6.Mod1.AD1, 6.Mod1.AD3 	 Lesson 1: Factors and Multiples Use visual models to determine common factors and common multiples of pairs of numbers. NY-6.NS.4, MP8, 6.Mod2.AD12, 6.Mod2.AD13 Lesson 2: Divisibility Determine whether numbers are divisible by other numbers. NY-6.NS.4, MP3, 6.Mod2.AD12, 6.Mod2.AD13 Lesson 3: The Greatest Common Factor Determine the greatest common factor of two whole numbers less than or equal to 100. NY-6.NS.4, MP7, 6.Mod2.AD12 Lesson 4: The Least Common Multiple Find the least common multiple of two whole numbers less than or equal to 12. NY-6.NS.4, MP6, 6.Mod2.AD13 	 Lesson 1: Positive and Negative Numbers Represent quantities in real-world situations by using positive and negative numbers. Plot positive numbers, negative numbers, and 0 on horizontal and vertical number lines. NY-6.NS.5, MP2, 6.Mod3.AD1 Lesson 2: Integers Plot integers and their opposites on horizontal and vertical number lines and identify 0 as its own opposite. Identify the opposite of the opposite of a number. NY-6.NS.6a, MP7, 6.Mod3.AD2, 6.Mod3.AD3 Lesson 3: Rational Numbers Plot rational numbers on horizontal and vertical number lines. Identify the locations of rational numbers plotted on horizontal and vertical number lines. NY-6.NS.6a, NY-6.NS.6c, MP3, 6.Mod3.AD3, 6.Mod3.AD6 	 Lesson 1: Expressions with Addition and Subtraction Evaluate expressions with addition and subtraction. NY-6.EE.1, MP6, 6.Mod4.AD3 Lesson 2: Expressions with Multiplication and Division Evaluate expressions with multiplication and division. NY-6.EE.1, MP7, 6.Mod4.AD3 Lesson 3: Exploring Exponents Write numerical expressions by using exponential notation. NY-6.EE.1, MP3, 6.Mod4.AD3 Lesson 4: Evaluating Expressions with Exponents Evaluate numerical expressions written in exponential notation. NY-6.EE.1, NY-6.G.5, MP7, 6.Mod4.AD3, 6.Mod4.AD23 	 Lesson 1: The Area of a Parallelogram Compose parallelograms into rectangles to derive the formula for the area of a parallelogram. Compute the area of a parallelogram by using the formula A = bh. NY-6.EE.2c, NY-6.G.1, MP8, 6.Mod4.AD6, 6.Mod5.AD1 Lesson 2: The Area of a Right Triangle Compose two identical right triangles into a rectangle to derive the formula for the area of a right triangle. Compute the area of a right triangle by using the formula A = ¹/₂bh. NY-6.EE.7, NY-6.G.1, MP3, 6.Mod4.AD13, 6.Mod5.AD1, 6.Mod5.AD2 Lesson 3: The Area of a Triangle Compose two identical triangles into a parallelogram to derive the formula for the area of a triangle. Compute the area of any triangle by using the formula for the area of a triangle. Compute the area of any triangle by using the formula for the area MY-6.EE.2c, NY-6.G.1, MP7, 6.Mod4.AD6, 6.Mod5.AD1 	 Lesson 1: Posing Statistical Questions Identify and write statistical questions. Identify the types of data that can be collected to answer a statistical question. NY-6.SP.1a, NY-6.SP.5, NY-6.SP.5b, MP6, 6.Mod6.AD1, 6.Mod6.AD6 Lesson 2: Describing a Data Distribution Given a dot plot, describe the center, spread and other characteristics of the data distribution. NY-6.SP.2, NY-6.SP.5, NY-6.SP.5a, MP2, 6.Mod6.AD2, 6.Mod6.AD5 Lesson 3: Creating a Dot Plot Create a dot plot and describe a data distribution. NY-6.SP.2, NY-6.SP.4, MP1, 6.Mod6.AD2, 6.Mod6.AD9 Lesson 4: Creating a Histogram Use a frequency table to construct a frequency histogram for a data distribution. NY-6.SP.2, NY-6.SP.4, MP2, 6.Mod6.AD2, 6.Mod6.AD9
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Module 1	Module 2	Module 3	Module 4	Module 5	Module 6
 Lesson 5: Equivalent Ratios Find equivalent ratios by multiplying both numbers in a given ratio by the same nonzero number. Use equivalent ratios to find unknown quantities. NY-6.RP.1, NY-6.RP.3, MP2, 6.Mod1.AD1, 6.Mod1.AD3 	Find equivalent ratios by multiplying both numbers in a given ratio by the same nonzero number. Use equivalent ratios to find unknown quantities. Y-6.RP.1, NY-6.RP.3, P2, 6.Mod1.AD1, Mod1.AD3 Algorithm (Optional) • Find the greatest common factor of large numbers by using the Euclidean algorithm. • Find the least common multiple of large numbers by using the greatest common factor. NY-6.NS.4, MP7, 6.Mod2.AD12, 6.Mod2.AD13 Topic B: Dividing	Lesson 4: Rational Numbers in Real-World Situations • Represent opposite quantities in real-world situations by using rational numbers. NY-6.NS.5, NY-6.NS.6a, MP6, 6.Mod3.AD1, 6.Mod3.AD2	Lesson 5: Exploring Order of Operations • Identify the relationships between operations and apply those relationships when evaluating expressions. NY-6.EE.1, MP6, 6.Mod4.AD3 Lesson 6: Order of Operations • Evaluate numerical	 Lesson 4: Areas of Triangles in Real-World Situations Use composition or decomposition to write equivalent expressions that represent the area of a triangle. Solve real-world and mathematical problems involving the areas of triangles. NY-6.EE.3, NY-6.G.1, MP2, 	Lesson 5: Comparing Data Displays • Identify the differences between bar graphs and histograms. • Construct relative frequency histograms. NY-6.SP.4, NY-6.SP.5, NY-6.SP.5b, MP5, 6.Mod6.AD6, 6.Mod6.AD9 Lesson 6: Selecting a Data Display • Display data by using a dot plot or a histogram and describe the data distribution. NY-6.SP.1a, NY-6.SP.4, MP5, 6.Mod6.AD1, 6.Mod6.AD9
Topic B: Collections of Equivalent Ratios Lesson 6: Ratio Tables and		Topic B: Ordering and Magnitude Lesson 5: Comparing Rational Numbers	exponents by using the conventional order of operations. 6.Mod5.AD2 NY-6.EE.1, MP1, Topic B: Problem S 6.Mod4.AD3 With Area Id Topic B: Expressions and Real-World Problems a, Lesson 7: Algebraic Expressions with Addition and Subtraction	6.Mod5.AD2 Topic B: Problem Solving	
Lesson 6: Ratio Tables and Double Number Lines • Represent equivalent ratios by using ratio tables and double • Divide a whole	Lesson 6: Dividing a Whole Number by a Fraction • Divide a whole number	 Write and interpret statements of comparison about rational numbers. Compare rational numbers in real-world situations. NY-6.NS.7, NY-6.NS.7a, 		with Area Lesson 5: Perimeter and Area in the Coordinate Plane	
 Use representations of ratio relationships to solve problems. NY-6.RP.3, NY-6.RP.3a, MP7, 6.Mod1.AD3, 	ratio relationships to solve problems. Y-6.RP.3, NY-6.RP.3a, reasoning about division. NY-6.NS.1, MP2, 6.Mod2.AD4, 6.Mod2.AD5,				Topic B: Describing Center and Variability Lesson 7: Using the Mean to Describe the Center
 Mod1.AD4 esson 7: Graphs of Ratio telationships Plot points in the coordinate plane that each represent a ratio. Identify characteristics of graphs, tables, and Lesson 7: Dividing a Fraction by a Whole Number Divide a fraction by a whole number. Divide a mixed number by a whole number. NY-6.NS.1, MP1, 	S.Mod3.AD10• Write algebraic expressions to represent descriptions involving addition and subtraction.• Order rational numbers • Order rational numbers. • Write, interpret, and explain statements of order for rational numbers in real-world• Write algebraic expressions to represent descriptions subtraction. • Write descriptions involving addition and subtraction.	rectangles, and polygons graphed in the coordinate plane. NY-6.NS.8, NY-6.G.1, NY-6.G.3, MP7, 6.Mod3.AD14, 6.Mod5.AD1, 6.Mod5.AD5	 Describe the center of a data distribution by using an equal share value called the mean. Connect the concept of equal shares with the mathematical formula for finding the mean. NY-6.SP.3, NY-6.SP.5, 		
double number lines representing ratio relationships. NY-6.RP.3a, MP2, 6.Mod1.AD4	6.Mod2.AD4, 6.Mod2.AD5, 6.Mod2.AD6	situations. NY-6.NS.7, NY-6.NS.7a, NY-6.NS.7b, MP1, 6.Mod3.AD8, 6.Mod3.AD9, 6.Mod3.AD10	NY-6.EE.2a, NY-6.EE.2b, MP8, 6.Mod4.AD4, 6.Mod4.AD5		NY-6.SP.5c, MP2, 6.Mod6.AD3, 6.Mod6.AD10

Module 1	Module 2	Module 3	Module 4	Module 5	Module 6
 Lesson 8: Addition Patterns in Ratio Relationships Use addition patterns in tables and graphs of equivalent ratios to describe ratio relationships and find unknown quantities. NY-6.RP.1, NY-6.RP.3, NY-6.RP.3a, MP7, 6.Mod1.AD1, 6.Mod1.AD3, 6.Mod1.AD4 Lesson 9: Multiplication Patterns in Ratio Relationships Use graphs and tables to explore multiplication patterns in ratio relationships. Use graphs and tables. NY-6.RP.3, NY-6.RP.3a, MP7, 6.Mod1.AD3, 6.Mod1.AD4 Lesson 10: Multiplicative Reasoning in Ratio Relationships Write and use equivalent ratios when one of the numbers in the ratio is 1. NY-6.RP.1, NY-6.RP.3, NY-6.RP.3, MP8, 6.Mod1.AD1, 6.Mod1.AD3, 6.Mod1.AD4 Lesson 11: Applications of Ratio Reasoning Solve multi-step ratio problems by reasoning about equivalent ratios. NY-6.RP.1, NY-6.RP.3, NY-6.RP.3a, MP1, 6.Mod1.AD1, 6.Mod1.AD3, 6.Mod1.AD4 	 Lesson 8: Dividing Fractions by Making Common Denominators Divide a fraction by a fraction by using a common denominator. Divide a mixed number by a fraction by using a common denominator. NY-6.NS.A, NY-6.NS.1, MP7, 6.Mod2.AD3, 6.Mod2.AD4, 6.Mod2.AD6 Topic C: Dividing Fractions Fluently Lesson 9: Dividing Fractions by Using Tape Diagrams Use a tape diagram to divide a fraction by a fraction. Relate division of a fraction by a fraction to an unknown factor problem. NY-6.NS.1, MP8, 6.Mod2.AD4, 6.Mod2.AD5, 6.Mod2.AD6 Lesson 10: Dividing Fractions by Using the Invert and Multiply Strategy Use the invert and multiply strategy to divide a fraction by a fraction. 	 Lesson 7: Absolute Value Determine the absolute values of rational numbers. NY-6.NS.7c, MP8, 6.Mod3.AD11, 6.Mod3.AD12 Lesson 8: Absolute Value and Order Explain the relationship between the order of rational numbers and the order of their absolute values. Order and compare the absolute values of rational numbers and the magnitudes of real-world quantities. NY-6.NS.7, NY-6.NS.7d, MP2, 6.Mod3.AD13 Lesson 9: Interpreting Order and Distance in Real-World Situations Distinguish between comparisons of absolute value and statements of order in real-world situations. Determine and interpret distance between rational numbers. NY-6.NS.7d, MP1, 6.Mod3.AD13 	Lesson 8: Algebraic Expressions with Addition, Subtraction, Multiplication, and Division • Write algebraic expressions to represent descriptions involving addition, subtraction, multiplication, and division. • Write descriptions of algebraic expressions involving addition, subtraction, multiplication, and division. NY-6.EE.2a, NY-6.EE.2b, NY-6.EE.2c, MP6, 6.Mod4.AD4, 6.Mod4.AD5, 6.Mod4.AD6 Lesson 9: Addition and Subtraction Expressions from Real-World Situations • Define variables precisely. • Write algebraic expressions involving addition and subtraction to represent real-world situations. NY-6.EE.2a, NY-6.EE.2b, NY-6.EE.2a, NY-6.EE.2b, NY-6.EE.2a, NY-6.EE.2b, NY-6.EE.2a, NY-6.EE.2b, NY-6.EE.2a, NY-6.EE.2b, NY-6.EE.2a, NY-6.EE.2b, NY-6.EE.2a, NY-6.EE.2b, NY-6.EE.2a, MP6, 6.Mod4.AD11 Lesson 10: Multiplication and Division Expressions from Real-World Situations • Write and interpret algebraic expressions involving multiplication and division that represent real-world situations. NY-6.EE.6, MP2, 6.Mod4.AD11	 Lesson 6: Problem Solving with Area in the Coordinate Plane Determine the areas of triangles graphed in the coordinate plane. Determine the areas of polygons composed of triangles and parallelograms graphed in the coordinate plane. NY-6.EE.3, NY-6.G.1, NY-6.E.3, NY-6.G.1, NY-6.G.3, MP1, 6.Mod4.AD7, 6.Mod5.AD1, 6.Mod5.AD5 Lesson 7: Areas of Trapezoids and Other Polygons Calculate the areas of trapezoids and other polygons by using composition and decomposition. Use composition or decomposition to write equivalent expressions for the areas of polygons. NY-6.E.3, NY-6.EE.4, NY-6.G.1, MP3, 6.Mod4.AD7, 6.Mod4.AD8, 6.Mod5.AD1 Lesson 8: Areas of Composite Figures in Real- World Situations Determine the areas of real-world composite figures. Solve problems in real-world situations involving rates and areas. NY-6.RP.3b, NY-6.G.1, MP4, 6.Mod1.AD6, 6.Mod5.AD1, 6.Mod5.AD2 	 Lesson 8: The Mean as a Balance Point Describe the center of a distribution by using the mean and interpret the mean as a balance point. NY-6.SP.3, NY-6.SP.5, NY-6.SP.5c, MP2, 6.Mod6.AD3, 6.Mod6.AD10 Lesson 9: Variability of a Data Distribution Describe a data distribution by using the mean and variability. Recognize measurement variability and its cause NY-6.SP.2, NY-6.SP.3, NY-6.SP.5, NY-6.SP.5c, MP2, 6.Mod6.AD2, 6.Mod6.AD10 Lesson 10: The Mean Absolute Deviation (Optional) Calculate and interpret the mean absolute deviation for a data distribution. NY-6.SP.5c, MP8, 6.Mod6.AD10 Lesson 11: Using the Mean and Mean Absolute Deviation (Optional) Use the mean and mean absolute deviation to describe a data distribution. NY-6.SP.3, NY-6.SP.5, NY-6.SP.5c, MP8, 6.Mod6.AD10 Lesson 11: Using the Mean and Mean Absolute Deviation (Optional) Use the mean and mean absolute deviation to describe a data distribution. NY-6.SP.5c, MP6, 6.Mod6.AD3, 6.Mod6.AD10

Module 1	Module 2	Module 3	Module 4	Module 5	Module 6
Topic C: Comparing Ratio Relationships Actio Relationships • Compare ratio relationships by using graphs, tables, and double number lines. NY-6.RP.3a, MP5, 5.Mod1.AD4, 6.Mod1.AD5 Lesson 13: Comparing Ratio Relationships, Part 1 • Compare ratio relationships by using ratio tables. NY-6.RP.3a, MP7, 5.Mod1.AD5 Lesson 14: Comparing Ratio Relationships, Part 2 • Compare ratio relationships by creating equivalent ratios. NY-6.RP.3a, MP3, 5.Mod1.AD5 Lesson 15: The Value of the Ratio • Compare ratio relationships by using the value of the ratio. NY-6.RP.2, NY-6.RP.3a, MP6, 6.Mod1.AD2, 5.Mod1.AD5	Lesson 11: Applications of Fraction Division • Solve real-world problems by dividing fractions and mixed numbers. NY-6.NS.1, MP1, 6.Mod2.AD5 Lesson 12: Fraction Operations in a Real-World Situation • Add, subtract, multiply, and divide fractions and mixed numbers to solve real-world problems. NY-6.NS.1, MP2, 6.Mod2.AD5 Topic D: Decimal Addition, Subtraction, and Multiplication Lesson 13: Decimal Addition and Subtraction • Add and subtract decimals by using the standard algorithms for each operation. NY-6.NS, NY-6.NS.3, MP5, 6.Mod2.AD2, 6.Mod2.AD9 Lesson 14: Patterns in Multiplying Decimals • Recognize and apply patterns in factors when multiplying whole numbers and decimals. NY-6.NS.3, MP8, 6.Mod2.AD10	 Topic C: The Coordinate Plane Lesson 10: The Four Quadrants of the Coordinate Plane Use ordered pairs to identify the locations of points in the coordinate plane. Relate the signs of x- and y-coordinates to each of the four quadrants of the coordinate plane. NY-6.NS.6b, MP7, 6.Mod3.AD4 Lesson 11: Plotting Points in the Coordinate Plane Use ordered pairs to plot points in the coordinate plane. NY-6.NS.6b, NY-6.NS.6c, MP6, 6.Mod3.AD4, 6.Mod3.AD7 Lesson 12: Reflections in the Coordinate Plane Graph points and their reflections in the coordinate plane. Recognize that when two ordered pairs differ only by the sign of one or both coordinates, the locations of the points are related by reflections across one or both axes. NY-6.NS.6b, NY-6.NS.6c, MP8, 6.Mod3.AD4, 6.Mod3.AD5, 6.Mod3.AD7 	Lesson 11: Modeling Real-World Situations with Expressions • Write algebraic expressions with two terms to represent real-world situations involving addition and multiplication. NY-6.EE.2b, NY-6.EE.2c, NY-6.EE.6, MP2, 6.Mod4.AD5, 6.Mod4.AD6, 6.Mod4.AD11 Topic C: Equivalent Expressions Using the Properties of Operations Lesson 12: Applying Properties of Operations • Write and identify equivalent algebraic expressions involving multiplication and division by using the properties of operations. • Write algebraic expressions that represent real-world situations. NY-6.EE.2c, NY-6.EE.3, NY-6.EE.4, MP3, 6.Mod4.AD8 Lesson 13: The Distributive Property • Use the distributive property to write the product of two factors as a sum or difference. NY-6.EE.4, MP7, 6.Mod4.AD2, 6.Mod4.AD7, 6.Mod4.AD8	Topic C: Nets and Surface Area Lesson 9: Properties of Solids • Identify the shapes of the faces of right prisms and pyramids. • Name parallel and perpendicular edges and faces of solids. NY-6.G.4, MP6, 6.Mod5.AD6 Lesson 10: Discovering Nets of Solids • Represent solids by using nets composed of triangles and rectangles. NY-6.G.4, MP6, 6.Mod5.AD6 Lesson 11: Constructing Nets of Solids • Draw and label nets for three-dimensional objects. • Determine the surface area of a solid by using its net. NY-6.G.4, MP7, 6.Mod5.AD6, 6.Mod5.AD7	Lesson 12: Using the Median to Describe the Center • Calculate and interpret the median of a data distribution. NY-6.SP.5, MP6, 6.Mod6.AD3, 6.Mod6.AD10 Topic C: Calculating, Interpreting, and Estimating Probabilities Lesson 13: What Is Probability? • Find a number betweer 0 and 1 that represents the likelihood that an event will occur. NY-6.SP.6, MP2, 6.Mod6.AD13 Lesson 14: Empirical Probability • Calculate empirical probabilities by collecting data from a chance experiment. NY-6.SP.7, MP6, 6.Mod6.AD14 Lesson 15: Outcomes of Chance Experiments • Determine the sample space for chance experiments. • Given a description of a chance experiment and an event, determine for which outcomes in the sample space the event will occur. NY-6.SP.7, MP2, 6.Mod6.AD14

Module 1	Module 2	Module 3	Module 4	Module 5	Module 6
 Topic D: Rates Lesson 16: Speed Find distance and time corresponding to a given speed. Identify real-world examples of rates and interpret their meanings in context. NY-6.RP.2, NY-6.RP.3a, NY-6.RP.3b, MP2, 6.Mod1.AD2, 6.Mod1.AD4, 6.Mod1.AD6 Lesson 17: Rates Identify rates and unit rates. Calculate one quantity when given another quantity and a constant rate. NY-6.RP.2, NY-6.RP.3b, MP2, 6.Mod1.AD4, 6.Mod1.AD6 Lesson 18: Comparing Rates Compare rates with like units of measurement by using unit rate. NY-6.RP.2, NY-6.RP.3a, NY-6.RP.3b, MP2, 6.Mod1.AD5, 6.Mod1.AD5, 6.Mod1.AD5, 6.Mod1.AD5, 6.Mod1.AD5, 6.Mod1.AD5, 6.Mod1.AD6 	 Lesson 15: Decimal Multiplication Multiply decimals by using the standard algorithm. NY-6.NS, NY-6.NS.3, MP6, 6.Mod2.AD2, 6.Mod2.AD10 Lesson 16: Applications of Decimal Operations Create a model of a building and use decimal operations to calculate cost, revenue, and profit or loss. NY-6.NS, MP4, 6.Mod2.AD2 Topic E: Division of Multi- Digit Numbers Lesson 17: Partial Quotients Divide multi-digit whole numbers by using the partial quotients method, and express quotients as mixed numbers. NY-6.NS.B, NY-6.NS.2, MP8, 6.Mod2.AD7, 6.Mod2.AD8 Lesson 18: The Standard Division Algorithm Divide multi-digit whole numbers by using the standard algorithm. NY-6.NS.2, MP7, 6.Mod2.AD8 	Lesson 13: Constructing the Coordinate Plane • Draw and label a coordinate plane, choosing a reasonable scale for a given set of points. • Plot points and describe how a graph changes when the scale changes. NY-6.NS.6b, NY-6.NS.6c, MP5, 6.Mod3.AD4, 6.Mod3.AD7 Lesson 14: Modeling with the Coordinate Plane • Create time graphs in the coordinate plane. • Solve real-world problems by using time graphs. NY-6.NS.8, MP4, 6.Mod3.AD14 Topic D: Solving Problems in the Coordinate Plane Lesson 15: Distance in the Coordinate Plane • Find the lengths of horizontal and vertical line segments with rational number coordinates as endpoints in the coordinate plane by counting the number of units between endpoints and by using absolute value. NY-6.NS.6c, NY-6.NS.8, MP8, 6.Mod3.AD7, 6.Mod3.AD14	 Lesson 14: Using the Distributive Property to Factor Expressions Use the distributive property to write a sum or difference as the product of two factors. NY-6.NS.4, NY-6.EE.3, NY-6.EE.4, MP7, 6.Mod4.AD2, 6.Mod4.AD7, 6.Mod4.AD8 Lesson 15: Combining Like Terms by Using the Distributive Property Add and subtract like terms by using the distributive property. Write an algebraic expression that represents a geometric situation. NY-6.EE.3, NY-6.EE.4, MP7, 6.Mod4.AD7, 6.Mod4.AD8 Lesson 16: Equivalent Algebraic Expressions Write equivalent expressions by using the properties of operations and combining like terms. Write algebraic expressions that represent real-world situations. NY-6.EE.3, NY-6.EE.4, NY-6.EE.6, MP2, 6.Mod4.AD7, 6.Mod4.AD8, 6.Mod4.AD11 	 Lesson 12: From Nets to Surface Area Determine the surface area of a solid. Develop the surface area formula for right rectangular prisms and use it to calculate surface area. NY-6.EE.2c, NY-6.EE.4, NY-6.G.4, MP8, 6.Mod4.AD6, 6.Mod4.AD8, 6.Mod5.AD6 Lesson 13: Surface Area in Real-World Situations Solve real-world problems involving rates and surface area of right prisms and pyramids. NY-6.G.4, MP1, 6.Mod1.AD6, 6.Mod4.AD6, 6.Mod5.AD7 Lesson 14: Designing a Box Design different boxes for a product and calculate each box's surface area. NY-6.EE.2c, NY-6.G.4, MP4, 6.Mod4.AD6, 6.Mod5.AD7 	 Lesson 16: Theoretical Probability Calculate theoretical probabilities of events for chance experiments that have equally likely outcomes. NY-6.SP.8a, MP6, 6.Mod6.AD16 Lesson 17: Outcomes That Are Not Equally Likely Calculate probabilities of events for chance experiments that do not have equally likely outcomes. NY-6.SP.7, MP7, 6.Mod6.AD14 Lesson 18: The Law of Large Numbers Use empirical probabilities from a theoretical mode to observed relative frequencies. NY-6.SP.8, NY-6.SP.8a, NY-6.SP.8, MP8, 6.Mod6.AD15, 6.Mod6.AD17 Lesson 19: Picking Blue Use empirical probabilities to create of probability model. NY-6.SP.7, NY-6.SP.8b, MP2, 6.Mod6.AD14, 6.Mod6.AD17
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Module 1	Module 2	Module 3	Module 4	Module 5	Module 6
 Lesson 23: Finding the Percent Calculate a percent when given a part and the whole. Discover that if multiple parts make a whole, then the percent representing each of the parts should total 100%. NY-6.RP.3c, MP8, 6.Mod1.AD7, 6.Mod1.AD8 Lesson 24: Finding a Part Calculate a part when 	 Lesson 23: Dividing a Decimal by a Decimal Less Than 1 Divide a decimal by a decimal less than 1 by using the standard algorithm. Solve real-world problems by dividing a decimal by a decimal. NY-6.NS.3, MP1, 6.Mod2.AD11 Lesson 24: Living on Mars Solve real-world 		Lesson 20: Solving Equations with Addition and Subtraction • Solve addition and subtraction equations by using tape diagrams and algebraic reasoning. NY-6.EE.5, NY-6.EE.7, MP7, 6.Mod4.AD9, 6.Mod4.AD12 Lesson 21: Solving Equations with Multiplication and Division • Solve multiplication and	Lesson 19: Volume and Surface Area in Real-World Situations • Solve real-world problems that involve surface area and volume. NY-6.G.2, NY-6.G.4, MP2, 6.Mod5.AD4, 6.Mod5.AD7	Lesson 24: Sampling Variability When Estimating a Population Proportion • Observe that increasing the sample size decreases the sampling variability of the sample proportions. NY-6.SP.1c, MP6, 6.Mod6.AD12 Topic E: Answering Statistical Questions by
given the whole and a percent. NY-6.RP.3c, MP3, 6.Mod1.AD8 Lesson 25: Finding the Whole • Calculate the whole when given a part and a percent. NY-6.RP.3c, MP1, 6.Mod1.AD8 Lesson 26: Solving Percent Problems	 given the whole and a percent. -6.RP.3c, MP3, Mod1.AD8 son 25: Finding the ole Calculate the whole when given a part and a percent. -6.RP.3c, MP1, Mod1.AD8 son 26: Solving Percent 		division equations by using tape diagrams and algebraic reasoning. NY-6.EE.5, NY-6.EE.7, MP6, 6.Mod4.AD9, 6.Mod4.AD12 Lesson 22: Solving Problems with Equations • Solve problems by writing and solving equations. NY-6.EE.7, MP1, 6.Mod4.AD12, 6.Mod4.AD13		Analyzing Data Lesson 25: Developing a Statistical Project • Develop a statistical question to guide data collection. • Develop a plan to collect a data set to answer a proposed statistical question. NY-6.SP.1a, NY-6.SP.5, NY-6.SP.5b, MP4, 6.Mod6.AD1, 6.Mod6.AD6
 Solve multi-step percent problems. NY-6.RP.3c, MP1, 6.Mod1.AD7, 6.Mod1.AD8 				 Lesson 26: Analyzing Graphical Representations Find exact and approximate features of data distributions from data displays. Analyze the effectiveness of data displays at communicating differen features of data distributions. Compare data 	
					 distributions by using relative frequency histograms. NY-6.SP.2, NY-6.SP.5, NY-6.SP.5c, MP3, 6.Mod6.AD2, 6.Mod6.AD10

Module 1	Module 2	Module 3	Module 4	Module 5	Module 6
			 Topic E: Relating Variables by Using Tables, Graphs, and Equations Lesson 23: Relationship Between Two Variables Represent a ratio relationship with a table and a two-variable equation. Identify the independent and dependent variables in a real-world or mathematical situation. NY-6.RP.3, NY-6.EE.9, MP3, 6.Mod4.AD21, 6.Mod4.AD21, 6.Mod4.AD22 Lesson 24: Graphs of Ratio Relationships Analyze the relationship between the independent and dependent variables in the graph of a ratio relationship. Represent a ratio relationship with a table, a graph, and a two-variable equation. NY-6.RP.3, NY-6.EE.9, MP5, 6.Mod4.AD1, 6.Mod4.AD21, 6.Mod4.AD21, 6.Mod4.AD22 Lesson 25: Graphs of Non-Ratio Relationships Represent a real-world situation with a table and a graph. Analyze the relationships Represent a real-world situation with a table and a graph. Analyze the relationship between the variables in a real-world situation. 		 Lesson 27: Choosing a Measure of Center Choose a measure of center for a data distribution. Justify the choice of a measure of center based on the shape of the distribution and the context. NY-6.SP.5, NY-6.SP.5d, MP7, 6.Mod6.AD8 Lesson 28: Presenting Statistical Projects Present statistical projects that use the investigative process and critique the work of others by using the tools learned in this module. NY-6.SP.3, NY-6.SP.4, MP4, 6.Mod6.AD3, 6.Mod6.AD9

Module 1	Module 2	Module 3	Module 4	Module 5	Module 6
			Lesson 26: The Statue of Liberty • Use tables and graphs to estimate the solution to a real-world problem. NY-6.EE.9, MP4, MP5, 6.Mod4.AD21		