About Eureka Math

Created by Great Minds[®], a mission-driven Public Benefit Corporation, *Eureka Math*[®] helps teachers deliver unparalleled math instruction that provides students with a deep understanding and fluency in math. Crafted by teachers and math scholars, the curriculum carefully sequences the mathematical progressions to maximize coherence from Prekindergarten through Precalculus–a principle tested and proven to be essential in students' mastery of math.

Teachers and students using *Eureka Math* find the trademark "Aha!" moments in *Eureka Math* to be a source of joy and inspiration, lesson after lesson, year after year.

Aligned

Great Minds offers detailed analyses that demonstrate how each grade of *Eureka Math* aligns with specific state standards. Access these free alignment studies at <u>greatminds.org/state-studies</u>.

Data

Schools and districts nationwide are experiencing student growth and impressive test scores after using *Eureka Math*. See their stories and data at greatminds.org/data.

Full Suite of Resources

Great Minds offers the *Eureka Math* curriculum as PDF downloads for free, noncommercial use. Access the free PDFs at <u>greatminds.org/</u><u>math/curriculum</u>.

The teacher-writers who created the curriculum have also developed essential resources, available only from Great Minds, including the following:

- Printed material in English and Spanish
- Digital resources
- Professional development
- Classroom tools and manipulatives
- Teacher support materials
- Parent resources

Standards for Mathematical Practice	Aligned Components of Eureka Math
MP.1	Lessons in every module engage students in mathematical practices.
Make sense of problems and persevere in solving them.	These are designated in the Module Overview and labeled in lessons.
MP.2	For example:
Reason abstractly and quantitatively.	A STORY OF RATIOS Lesson 11 6•3
MP.3	Lesson 11: Absolute Value—Magnitude and Distance
Construct viable arguments and critique the reasoning of others.	
MP.4	Student Outcomes Students understand the absolute value of a number as its distance from zero on the number line. Students understand the distribution of a number of a number as its distance from zero on the number line.
Model with mathematics.	 Students use absolute value to find the magnitude of a positive of negative quantity in a real-world situation.
MP 5	Classwork Opening Exercise (4 minutes)
Use appropriate tools strategically.	For this warm-up exercise, students work individually to record two different rational numbers that are the same distance from zero. Students find as many examples as possible and reach a conclusion about what must be true for every pair of numbers that lie that same distance from zero.
MP.6	Opening Exercise
Attend to precision.	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
MP.7	MP.8 After two minutes:
Look for and make use of structure.	• What are some examples you round (pairs of numbers that are the same distance from zero)? • $-\frac{1}{2}$ and $\frac{1}{2}$, 8.01 and -8.01,-7 and 7.
MP.8	 What is the relationship between each pair of numbers? <i>They are opposites.</i> How does each pair of numbers relate to zero?
Look for and express regularity in repeated reasoning.	 Both numbers in each pair are the same distance from zero.

Ratios and Proportional Relationships

Understand ratio concepts and use ratio reasoning to solve problems.

New York Next Generation Mathematics Learning Standards	Aligned Components of Eureka Math
NY-6.RP.1	G6 M1 Topic A: Representing and Reasoning About Ratios
Understand the concept of a ratio and	G6 M1 Topic B: Collections of Equivalent Ratios
use ratio language to describe a ratio	G6 M1 Topic C: Unit Rates
relationship between two quantities.	G6 M1 Lesson 24: Percent and Rates per 100
	G6 M1 Lesson 25: A Fraction as a Percent
NY-6.RP.2	G6 M1 Topic C: Unit Rates
Understand the concept of a unit rate $\frac{a}{b}$ associated with a ratio $a:b$ with $b \neq 0$ (b not equal to zero), and use rate language in the context of a ratio relationship.	
NY-6.RP.3	G6 M1 Lesson 3: Equivalent Ratios
Use ratio and rate reasoning to solve	G6 M1 Lesson 4: Equivalent Ratios
real-world and mathematical problems.	G6 M1 Lesson 5: Solving Problems by Finding Equivalent Ratios
	G6 M1 Lesson 6: Solving Problems by Finding Equivalent Ratios
	G6 M1 Lesson 7: Associated Ratios and the Value of a Ratio
	G6 M1 Lesson 8: Equivalent Ratios Defined Through the Value of a Ratio
	G6 M1 Topic B: Collections of Equivalent Ratios
	G6 M1 Lesson 16: From Ratios to Rates
	G6 M1 Lesson 17: From Rates to Ratios
	G6 M1 Lesson 18: Finding a Rate by Dividing Two Quantities
	G6 M1 Lesson 19: Comparison Shopping–Unit Price and Related Measurement Conversions
	G6 M1 Lesson 20: Comparison Shopping–Unit Price and Related Measurement Conversions

Mathematics Learning Standards	Aligned Components of Eureka Math
NY-6.RP.3.a	G6 M1 Topic A: Representing and Reasoning About Ratios
Make tables of equivalent ratios relating quantities with whole-number measurements, find missing values in the tables, and plot the pairs of values on the coordinate plane. Use tables to compare ratios.	
NY-6.RP.3.b	G6 M1 Topic C: Unit Rates
Solve unit rate problems.	G6 M1 Lesson 21: Getting the Job Done–Speed, Work, and Measurement Units
	G6 M1 Lesson 22: Getting the Job Done–Speed, Work, and Measurement Units
	G6 M1 Lesson 23: Problem-Solving Using Rates, Unit Rates, and Conversions
NY-6.RP.3.c	G6 M1 Topic D: Percent
Find a percent of a quantity as a rate per 100. Solve problems that involve finding the whole given a part and the percent, and finding a part of a whole given the percent.	
NY-6.RP.3.d	G6 M1 Lesson 21: Getting the Job Done–Speed, Work, and Measurement Units
Use ratio reasoning to convert	G6 M1 Lesson 22: Getting the Job Done–Speed, Work, and Measurement Units
measurement units; manipulate and transform units appropriately when multiplying or dividing quantities.	G6 M1 Lesson 23: Problem-Solving Using Rates, Unit Rates, and Conversions

The Number System

Apply and extend previous understandings of multiplication and division to divide fractions by fractions.

New York Next Generation Mathematics Learning Standards	Aligned Components of Eureka Math
NY-6.NS.1	G6 M2 Topic A: Arithmetic Operations Including Dividing by a Fraction
Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions.	

The Number System

Compute fluently with multi-digit numbers and find common factors and multiples.

New York Next Generation Mathematics Learning Standards Aligned Components of *Eureka Math*

NY-6.NS.2	G6 M2 Topic C: Dividing Whole Numbers and Decimals
Fluently divide multi-digit numbers using a standard algorithm.	
NY-6.NS.3	G6 M2 Topic B: Multi-Digit Decimal Operations–Adding, Subtracting, and Multiplying
Fluently add, subtract, multiply, and divide multi-digit decimals using a standard algorithm for each operation.	G6 M2 Lesson 14: The Division Algorithm–Converting Decimal Division into Whole Number Division Using Fractions G6 M2 Lesson 15: The Division Algorithm–Converting Decimal Division to Whole Number Division Using Mental Math

Mathematics Learning Standards	Aligned Components of Eureka Math
NY-6.NS.4	G6 M2 Lesson 17: Divisibility Tests for 3 and 9
whole numbers less than or equal to 100. Use the distributive property to express a sum of two whole numbers 1–100 with a common factor as a multiple of a sum of two whole numbers with no common factor other than 1. Find the least common multiple of two whole numbers less than or equal to 12.	G6 M2 Lesson 18: Least Common Multiple and Greatest Common Factor G6 M2 Lesson 19: The Euclidean Algorithm as an Application of the Long Division Algorithm

The Number System

Apply and extend previous understandings of numbers to the system of rational numbers.

New York Next Generation Mathematics Learning Standards	Aligned Components of Eureka Math
NY-6.NS.5	G6 M3 Lesson 2: Real-World Positive and Negative Numbers and Zero
Understand that positive and negative numbers are used together to describe quantities having opposite directions or values. Use positive and negative numbers to represent quantities in real-world contexts, explaining the meaning of 0 in each situation.	 G6 M3 Lesson 3: Real-World Positive and Negative Numbers and Zero G6 M3 Lesson 4: The Opposite of a Number G6 M3 Lesson 5: The Opposite of a Number's Opposite G6 M3 Lesson 6: Rational Numbers on the Number Line G6 M3 Lesson 13: Statements of Order in the Real World

New York Next Generation Mathematics Learning Standards	Aligned Components of Eureka Math
NY-6.NS.6	G6 M3 Topic A: Understanding Positive and Negative Numbers on the Number Line
Understand a rational number as a point	G6 M3 Topic B: Order and Absolute Value
on the number line. Use number lines and coordinate axes to represent points on a number line and in the coordinate plane with negative number coordinates.	G6 M3 Topic C: Rational Numbers and the Coordinate Plane
NY-6.NS.6.a	G6 M3 Topic A: Understanding Positive and Negative Numbers on the Number Line
Recognize opposite signs of numbers as indicating locations on opposite sides of 0 on the number line. Recognize that the opposite of the opposite of a number is the number itself, and that 0 is its own opposite.	
NY-6.NS.6.b	G6 M3 Topic C: Rational Numbers and the Coordinate Plane
Understand signs of numbers in ordered pairs as indicating locations in quadrants of the coordinate plane. Recognize that when two ordered pairs differ only by signs, the locations of the points are related by reflections across one or both axes.	
NY-6.NS.6.c	G6 M3 Topic A: Understanding Positive and Negative Numbers on the Number Line
Find and position integers and other rational numbers on a horizontal or vertical number line. Find and position pairs of integers and other rational numbers on a coordinate plane.	G6 M3 Topic C: Rational Numbers and the Coordinate Plane

New York Next Generation Mathematics Learning Standards	Aligned Components of Eureka Math
NY-6.NS.7 Understand ordering and absolute value of rational numbers.	G6 M3 Lesson 8: Ordering Integers and Other Rational Numbers G6 M3 Lesson 11: Absolute Value–Magnitude and Distance G6 M3 Lesson 12: The Relationship Between Absolute Value and Order G6 M3 Lesson 13: Statements of Order in the Real World
NY-6.NS.7.a Interpret statements of inequality as statements about the relative position of two numbers on a number line.	G6 M3 Lesson 7: Ordering Integers and Other Rational Numbers G6 M3 Lesson 9: Comparing Integers and Other Rational Numbers G6 M3 Lesson 10: Writing and Interpreting Inequality Statements Involving Rational Numbers
NY-6.NS.7.b Write, interpret, and explain statements of order for rational numbers in real-world contexts.	G6 M3 Lesson 7: Ordering Integers and Other Rational Numbers G6 M3 Lesson 9: Comparing Integers and Other Rational Numbers G6 M3 Lesson 10: Writing and Interpreting Inequality Statements Involving Rational Numbers
NY-6.NS.7.c Understand the absolute value of a rational number as its distance from 0 on the number line. Interpret absolute value as magnitude for a positive or negative quantity in a real-world situation.	G6 M3 Lesson 11: Absolute Value—Magnitude and Distance G6 M3 Lesson 12: The Relationship Between Absolute Value and Order G6 M3 Lesson 13: Statements of Order in the Real World
NY-6.NS.7.d Distinguish comparisons of absolute value from statements about order.	G6 M3 Lesson 12: The Relationship Between Absolute Value and Order

New York Next Generation
Mathematics Learning StandardsAligned Components of Eureka MathNY-6.NS.8G6 M3 Topic C: Rational Numbers and the Coordinate PlaneSolve real-world and mathematical
problems by graphing points
on a coordinate plane. Include use
of coordinates and absolute value to find
distances between points with the same
first coordinate or the same second
coordinate.

Expressions, Equations, and Inequalities

Apply and extend previous understandings of arithmetic to algebraic expressions.

New York Next Generation Mathematics Learning Standards

Aligned Components of Eureka Math

NY-6.EE.1 Write and evaluate numerical expressions involving whole-number exponents.	G6 M4 Topic B: Special Notations of Operations G6 M4 Lesson 16: Write Expressions in Which Letters Stand for Numbers
NY-6.EE.2 Write, read, and evaluate expressions in which letters stand for numbers.	G6 M4 Topic C: Replacing Letters and Numbers G6 M4 Topic D: Expanding, Factoring, and Distributing Expressions G6 M4 Topic E: Expressing Operations in Algebraic Form G6 M4 Topic F: Writing and Evaluating Expressions and Formulas
NY-6.EE.2.a Write expressions that record operations with numbers and with letters standing for numbers.	G6 M4 Topic C: Replacing Letters and Numbers

New York Next Generation Mathematics Learning Standards	Aligned Components of Eureka Math
NY-6.EE.2.b	G6 M4 Topic E: Expressing Operations in Algebraic Form
Identify parts of an expression using mathematical terms (term, coefficient, sum, difference, product, factor, and quotient); view one or more parts of an expression as a single entity.	
NY-6.EE.2.c	G6 M4 Lesson 6: The Order of Operations
Evaluate expressions given specific values for their variables. Include expressions that arise from formulas in real-world problems. Perform arithmetic operations, including those involving whole-number exponents, in the conventional order (Order of Operations).	
NY-6.EE.3	G6 M4 Topic A: Relationships of the Operations
Apply the properties of operations to generate equivalent expressions.	G6 M4 Lesson 9: Writing Addition and Subtraction Expressions
	G6 M4 Lesson 11: Factoring Expressions
	G6 M4 Lesson 12: Distributing Expressions
NY-6.EE.4	G6 M4 Lesson 8: Replacing Numbers with Letters
ldentify when two expressions are equivalent.	G6 M4 Lesson 9: Writing Addition and Subtraction Expressions
	G6 M4 Lesson 10: Writing and Expanding Multiplication Expressions
	G6 M4 Lesson 11: Factoring Expressions
	G6 M4 Lesson 12: Distributing Expressions
	G6 M4 Lesson 13: Writing Division Expressions

Expressions, Equations, and Inequalities

Reason about and solve one-variable equations and inequalities.

New York Next Generation Mathematics Learning Standards	Aligned Components of Eureka Math
NY-6.EE.5 Understand solving an equation or inequality as a process of answering a question: which values from a specified set, if any, make the equation	G6 M4 Topic G: Solving Equations G6 M4 Topic H: Applications of Equations
or inequality true? Use substitution to determine whether a given number in a specified set makes an equation or inequality true.	
NY-6.EE.6 Use variables to represent numbers and write expressions when solving a real-world or mathematical problem. Understand that a variable can represent an unknown number, or, depending on the purpose at hand, any number in a specified set.	G6 M4 Topic F: Writing and Evaluating Expressions and Formulas G6 M4 Topic G: Solving Equations G6 M4 Topic H: Applications of Equations
NY-6.EE.7 Solve real-world and mathematical problems by writing and solving equations of the form $x + p = q$; $x - p = q$; $px = q$; and $\frac{x}{p} = q$ for cases in which p , q , and x are all nonnegative rational numbers.	 G6 M4 Lesson 26: One-Step Equations—Addition and Subtraction G6 M4 Lesson 27: One-Step Equations—Multiplication and Division G6 M4 Lesson 28: Two-Step Problems—All Operations G6 M4 Lesson 29: Multi-Step Problems—All Operations G6 M4 Lesson 30: One-Step Problems in the Real World G6 M4 Lesson 31: Problems in Mathematical Terms G6 M4 Lesson 32: Multi-Step Problems in the Real World

Mathematics Learning Standards	Aligned Components of Eureka Math
NY-6.EE.8	G6 M4 Lesson 33: From Equations to Inequalities
Write an inequality of the form $x > c, x \ge c, x \le c$, or $x < c$ to represent a constraint or condition in a real-world or mathematical problem. Recognize that inequalities of these forms have infinitely many solutions; represent solutions of such inequalities on a number line.	G6 M4 Lesson 34: Writing and Graphing Inequalities in Real-World Problems

Expressions, Equations, and Inequalities

Represent and analyze quantitative relationships between dependent and independent variables.

New York Next Generation Mathematics Learning Standards

Aligned Components of Eureka Math

NY-6.EE.9	G6 M4 Lesson 31: Problems in Mathematical Terms
Use variables to represent two quantities in a real-world problem that change in relationship to one another. Given a verbal context and an equation, identify the dependent variable, in terms of the other quantity, thought of as the independent variable. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation.	G6 M4 Lesson 32: Multi-Step Problems in the Real World

Geometry

Solve real-world and mathematical problems involving area, surface area, and volume.

New York Next GenerationMathematics Learning StandardsAligned Components of Eureka Math

NY-6.G.1	G6 M5 Topic A: Area of Triangles, Quadrilaterals, and Polygons
Find area of triangles, trapezoids, and other polygons by composing into rectangles or decomposing into triangles and quadrilaterals. Apply these techniques in the context of solving real-world and mathematical problems.	G6 M5 Lesson 8: Drawing Polygons in the Coordinate Plane G6 M5 Lesson 9: Determining Perimeter and Area of Polygons on the Coordinate Plane
NY-6.G.2 Find volumes of right rectangular prisms with fractional edge lengths in the context of solving real-world and mathematical problems.	G6 M5 Topic C: Volume of Right Rectangular Prisms G6 M5 Lesson 19: Surface Area and Volume in the Real World G6 M5 Lesson 20: Addendum Lesson for Modeling-Applying Surface Area and Volume to Aquariums
NY-6.G.3 Draw polygons in the coordinate plane given coordinates for the vertices. Use coordinates to find the length of a side joining points with the same first coordinate or the same second coordinate. Apply these techniques in the context of solving real-world and mathematical problems.	G6 M5 Topic B: Polygons on the Coordinate Plane

Mathematics Learning StandardsAligned Components of Eureka MathNY-6.G.4G6 M5 Topic D: Nets and Surface AreaRepresent three-dimensional figures
using nets made up of rectangles and
triangles, and use the nets to find the
surface area of these figures. Apply these
techniques in the context of solving
real-world and mathematical problems.G6 M5 Topic D: Nets and Surface AreaNY-6.G.5Supplemental material is necessary to address this standard.Use area and volume models to explain
perfect squares and perfect cubes.Supplemental material is necessary to address this standard.

Statistics and Probability

Develop understanding of statistical variability.

New York Next Generation

New York Next Generation Mathematics Learning Standards	Aligned Components of Eureka Math
NY-6.SP.1a	G6 M6 Lesson 1: Posing Statistical Questions
Recognize that a statistical question is one that anticipates variability in the data related to the question and accounts for it in the answers.	

New York Next Generation Mathematics Learning Standards	Aligned Components of Eureka Math
NY-6.SP.1b Understand that statistics can be used to gain information about a population by examining a sample of the population; generalizations about a population from a sample are valid only if the sample is representative of that population.	G7 M5 Lesson 13: Populations, Samples, and Generalizing from a Sample to a Population G7 M5 Lesson 14: Selecting a Sample G7 M5 Lesson 15: Random Sampling G7 M5 Lesson 18: Sampling Variability and the Effect of Sample Size G7 M5 Lesson 19: Understanding Variability When Estimating a Population Proportion
NY-6.SP.1c Understand that the method and sample size used to collect data for a particular question is intended to reduce the difference between a population and a sample taken from the population so valid inferences can be drawn about the population. Generate multiple samples (or simulated samples) of the same size to recognize the variation in estimates or predictions.	 G7 M5 Lesson 14: Selecting a Sample G7 M5 Lesson 15: Random Sampling G7 M5 Lesson 16: Methods for Selecting a Random Sample G7 M5 Lesson 17: Sampling Variability G7 M5 Lesson 18: Sampling Variability and the Effect of Sample Size G7 M5 Lesson 19: Understanding Variability When Estimating a Population Proportion G7 M5 Lesson 20: Estimating a Population Proportion
NY-6.SP.2 Understand that a set of quantitative data collected to answer a statistical question has a distribution which can be described by its center, spread, and overall shape.	G6 M6 Lesson 21: Summarizing a Data Distribution by Describing Center, Variability, and Shape G6 M6 Lesson 22: Presenting a Summary of a Statistical Project

New York Next Generation Mathematics Learning Standards	Aligned Components of Eureka Math
NY-6.SP.3ARecognize that a measure of center for a quantitative data set summarizes all of its values with a single number while a measure of variation describes how its 	G6 M6 Topic B: Summarizing a Distribution That Is Approximately Symmetric Using the Mean and Mean Absolute Deviation G6 M6 Topic C: Summarizing a Distribution That Is Skewed Using the Median and the Interquartile Range

Statistics and Probability

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Summarize and describe distributions.

New York Next Generation

Mathematics Learning Standards	Aligned Components of Eureka Math
NY-6.SP.4	G6 M6 Lesson 2: Displaying a Data Distribution
Display quantitative data in plots on a number line, including dot plots and histograms.	G6 M6 Lesson 3: Creating a Dot Plot
	G6 M6 Lesson 4: Creating a Histogram
	G6 M6 Lesson 5: Describing a Distribution Displayed in a Histogram
	G6 M6 Lesson 6: Describing the Center of a Distribution Using the Mean
	G6 M6 Lesson 7: The Mean as a Balance Point
	G6 M6 Lesson 8: Variability in a Data Distribution
	G6 M6 Lesson 10: Describing Distributions Using the Mean and MAD
	G6 M6 Lesson 11: Describing Distributions Using the Mean and MAD
	G6 M6 Lesson 14: Summarizing a Distribution Using a Box Plot
	G6 M6 Lesson 15: More Practice with Box Plots
	G6 M6 Lesson 16: Understanding Box Plots
	G6 M6 Lesson 17: Developing a Statistical Project

New York Next Generation Mathematics Learning Standards	Aligned Components of Eureka Math
NY-6.SP.4 continued	G6 M6 Lesson 18: Connecting Graphical Representations and Numerical Summaries
	G6 M6 Lesson 20: Describing Center, Variability, and Shape of a Data Distribution from a Graphic Representation
	G6 M6 Lesson 21: Summarizing a Data Distribution by Describing Center, Variability, and Shape
	G6 M6 Lesson 22: Presenting a Summary of a Statistical Project
NY-6.SP.5	G6 M6 Lesson 4: Creating a Histogram
Summarize quantitative data sets	G6 M6 Lesson 5: Describing a Distribution Displayed in a Histogram
in relation to their context.	G6 M6 Topic B: Summarizing a Distribution that Is Approximately Symmetric Using the Mean and Mean Absolute Deviation
	G6 M6 Topic C: Summarizing a Distribution that is Skewed Using the Median and the Interquartile Range
	G6 M6 Lesson 17: Developing a Statistical Project
	G6 M6 Lesson 18: Connecting Graphical Representations and Numerical Summaries
	G6 M6 Lesson 19: Comparing Data Distributions
	G6 M6 Lesson 20: Describing Center, Variability, and Shape of a Data Distribution from a Graphic Representation
NY-6.SP.5.a	G6 M6 Lesson 2: Displaying a Data Distribution
Report the number of observations.	G6 M6 Lesson 3: Creating a Dot Plot
	G6 M6 Lesson 4: Creating a Histogram
	G6 M6 Lesson 5: Describing a Distribution Displayed in a Histogram
NY-6.SP.5.b	G6 M6 Lesson 2: Displaying a Data Distribution
Describe the nature of the attribute under investigation, including how it was measured and its units of measurement.	

Mathematics Learning Standards	Aligned Components of <i>Eureka Math</i>
NY-6.SP.5.c	G6 M6 Lesson 21: Summarizing a Data Distribution by Describing Center, Variability, and Shape
Calculate range and measures of center, as well as describe any overall pattern and any striking deviations from the overall pattern with reference to the context in which the data were gathered.	G6 M6 Lesson 22: Presenting a Summary of a Statistical Project
NY-6.SP.5.d	G6 M6 Lesson 21: Summarizing a Data Distribution by Describing Center, Variability, and Shape
Relate the range and the choice of measures of center to the shape of the data distribution and the context in which the data were gathered.	G6 M6 Lesson 22: Presenting a Summary of a Statistical Project

New York Next Generation Mathematics Learning Standards

Statistics and Probability

Investigate chance processes and develop, use, and evaluate probability models.

New York Next Generation Mathematics Learning Standards	Aligned Components of Eureka Math
NY-6.SP.6	G7 M5 Lesson 1: Chance Experiments
Understand that the probability of a chance event is a number between 0 and 1 inclusive, that expresses the likelihood of the event occurring. Larger numbers indicate greater likelihood. A probability near 0 indicates an unlikely event, a probability around $\frac{1}{2}$ indicates an event that is neither unlikely nor likely, and a probability near 1 indicates a likely event.	

Mathematics Learning Standards	Aligned Components of Eureka Math
NY-6.SP.7 Approximate the probability of a simple event by collecting data on the chance process that produces it and observing its long-run relative frequency, and predict the approximate relative frequency given the probability.	 G7 M5 Lesson 2: Estimating Probabilities by Collecting Data G7 M5 Lesson 3: Chance Experiments with Equally Likely Outcomes G7 M5 Lesson 4: Calculating Probabilities for Chance Experiments with Equally Likely Outcomes G7 M5 Lesson 5: Chance Experiments with Outcomes That Are Not Equally Likely G7 M5 Lesson 8: The Difference Between Theoretical Probabilities and Estimated Probabilities G7 M5 Lesson 12: Applying Probability to Make Informed Decisions
NY-6.SP.8 Develop a probability model and use it to find probabilities of simple events. Compare probabilities from a model to observed frequencies; if the agreement is not good, explain possible sources of the discrepancy.	G7 M5 Lesson 4: Calculating Probabilities for Chance Experiments with Equally Likely Outcomes G7 M5 Lesson 5: Chance Experiments with Outcomes That Are Not Equally Likely G7 M5 Lesson 8: The Difference Between Theoretical Probabilities and Estimated Probabilities G7 M5 Lesson 9: Comparing Estimated Probabilities to Probabilities Predicted by a Model G7 M5 Lesson 12: Applying Probability to Make Informed Decisions
NY-6.SP.8.a Develop a uniform probability model by assigning equal probability to all outcomes, and use the model to determine probabilities of simple events.	G7 M5 Lesson 4: Calculating Probabilities for Chance Experiments with Equally Likely Outcomes
NY-6.SP.8.b Develop a probability model (which may not be uniform) by observing frequencies in data generated from a chance process.	G7 M5 Lesson 5: Chance Experiments with Outcomes That Are Not Equally Likely G7 M5 Lesson 12: Applying Probability to Make Informed Decisions