EUREKA MATH².

Grade 7 | Indiana Academic Standards for Mathematics Correlation to *Eureka Math*^{2®}

When the original *Eureka Math*[®] curriculum was released, it quickly became the most widely used K-5 mathematics curriculum in the country. Now, the Great Minds[®] teacher-writers have created *Eureka Math*^{2®}, a groundbreaking new curriculum that helps teachers deliver exponentially better math instruction while still providing students with the same deep understanding of and fluency in math. *Eureka Math*² carefully sequences mathematical content to maximize vertical alignment-a principle tested and proven to be essential in students' mastery of math-from kindergarten through high school.

While this innovative new curriculum includes all the trademark *Eureka Math* and moments that have been delighting students and teachers for years, it also boasts these exciting new features:

Teachability

*Eureka Math*² employs streamlined materials that allow teachers to plan more efficiently and focus their energy on delivering highquality instruction that meets the individual needs of their students. Differentiation suggestions, slide decks, digital interactives, and multiple forms of assessment are just a few of the resources built right into the teacher materials.

Accessibility

*Eureka Math*² incorporates Universal Design for Learning principles so all learners can access the mathematics and take on challenging math concepts. Student supports are built into the instructional design and are clearly identified in the *Teach* book. Further, the curriculum carries a focus on readability. By eliminating unnecessary words and using simple, clear sentences, the *Eureka Math*² teacher-writers have created one of the most readable mathematics curricula on the market. The curriculum's readability and accessibility help all students see themselves as mathematical thinkers and doers who are fully capable of owning their mathematics learning.

Digital Engagement

The digital elements of *Eureka Math*² add to students' engagement with the math. The curriculum provides teachers with digital slides for each lesson. In addition, each grade level includes wordless videos that spark students' interest and curiosity. Students at all levels work through mathematical explorations that help lead to their own mathematical discoveries. Digital lessons and videos provide opportunities for students to wonder, explore, and make sense of mathematics, which contributes to the development of a strong, positive mathematical identity.

Mathematical Process Standards

PS.1	7 M1 Lesson 11: Constant Rates
Make sense of problems and persevere in solving them.	7 M1 Lesson 14: Extreme Bicycles
	7 M2 Lesson 4: KAKOOMA®
	7 M2 Lesson 11: Subtracting Rational Numbers, Part 2
	7 M3 Lesson 10: Problem Solving with Unknown Angle Measures
	7 M3 Lesson 11: Dominoes and Dominoes
	7 M3 Lesson 15: Solving Equations Fluently
	7 M4 Lesson 15: Watering a Lawn
	7 M4 Lesson 16: Solving Area Problems by Composition and Decomposition
	7 M5 Lesson 6: Finding Commission
	7 M5 Lesson 7: Finding Discounts
	7 M5 Lesson 9: Tax as a Fee
	7 M5 Lesson 13: What Is the Best Deal?
	7 M5 Lesson 14: Scale Factor–Percent Increase and Decrease
	7 M5 Lesson 21: Making Money, Day 2
	7 M6 Lesson 9: Probability Simulations
	7 M6 Lesson 15: Sampling Variability and the Effect of Sample Size

Mathematical Process Standards	Aligned Components of <i>Eureka Math</i> ²
PS.2	7 M1 Lesson 2: Exploring Tables of Proportional Relationships
Reason abstractly and quantitatively.	7 M1 Lesson 5: Analyzing Graphs of Proportional Relationships
	7 M1 Lesson 6: Identifying Proportional Relationships in Written Descriptions
	7 M1 Lesson 10: Applying Proportional Reasoning
	7 M2 Lesson 8: Subtracting Integers, Part 1
	7 M2 Lesson 13: Understanding Multiples of Negative Numbers
	7 M2 Lesson 25: Writing and Evaluating Expressions with Rational Numbers, Part 1
	7 M3 Lesson 5: Factoring Expressions
	7 M3 Lesson 12: Solving Problems Algebraically and Arithmetically
	7 M3 Lesson 16: Using Equations to Solve Rate Problems
	7 M3 Lesson 21: Solving Two-Step Inequalities
	7 M3 Lesson 23: Inequalities vs. Equations
	7 M4 Lesson 3: Side Lengths of a Triangle
	7 M5 Lesson 10: Percent Increase
	7 M5 Lesson 11: Percent Decrease
	7 M5 Lesson 13: What Is the Best Deal?
	7 M5 Lesson 19: Applying Percent Error
	7 M5 Lesson 23: Percents of Percents
	7 M6 Lesson 1: What Is Probability?
	7 M6 Lesson 3: Outcomes of Chance Experiments
	7 M6 Lesson 8: Picking Blue
	7 M6 Lesson 12: Selecting a Sample
	7 M6 Lesson 14: Sampling Variability When Estimating a Population Mean

Mathematical Process Standards	Aligned Components of <i>Eureka Math</i> ²
PS.3	7 M1 Lesson 16: Using a Scale Factor
Construct viable arguments and critique the reasoning of others.	7 M1 Lesson 20: Creating Multiple Scale Drawings
	7 M2 Lesson 5: Decomposing Rational Numbers to Make Addition More Efficient
	7 M2 Lesson 14: Understanding the Product of Two Negative Numbers
	7 M3 Lesson 1: Equivalent Expressions
	7 M3 Lesson 2: The Distributive Property and the Tabular Model
	7 M4 Lesson 4: Angles of a Triangle
	7 M4 Lesson 6: Unique Triangles
	7 M4 Lesson 7: Two Angles and One Side
	7 M5 Lesson 4: Proportion and Percent
	7 M5 Lesson 8: Determining Fees
	7 M6 Lesson 17: Comparing Sample Means
PS.4	7 M1 Lesson 7: Handstand Sprint
Model with mathematics.	7 M1 Lesson 19: Scale and Scale Factor
	7 M2 Lesson 26: Writing and Evaluating Expressions with Rational Numbers, Part 2
	7 M3 Lesson 11: Dominoes and Dominoes
	7 M4 Lesson 15: Watering a Lawn
	7 M4 Lesson 26: Designing a Fish Tank
	7 M5 Lesson 20: Making Money, Day 1
	7 M6 Lesson 19: Memory Games

Mathematical Process Standards	Aligned Components of <i>Eureka Math</i> ²
PS.5	7 M1 Lesson 7: Handstand Sprint
Use appropriate tools strategically.	7 M1 Lesson 13: Multi-Step Ratio Problems, Part 2
	7 M1 Lesson 14: Extreme Bicycles
	7 M2 Lesson 6: Adding Rational Numbers
	7 M2 Lesson 21: Comparing and Ordering Rational Numbers
	7 M3 Lesson 7: Angle Relationships and Unknown Angle Measures
	7 M4 Lesson 1: Sketching, Drawing, and Constructing Geometric Figures
	7 M5 Lesson 3: Percent as a Rate per 100
	7 M5 Lesson 5: Common Denominators or Common Numerators
	7 M6 Lesson 10: Simulations with Random Number Tables
PS.6	7 M1 Lesson 17: Finding Actual Distances from a Scale Drawing
Attend to precision.	7 M2 Lesson 12: The Integer Game
	7 M2 Lesson 16: Exponential Expressions with Rational Numbers
	7 M2 Lesson 24: Order of Operations with Rational Numbers
	7 M3 Lesson 3: The Distributive Property and Combining Like Terms
	7 M3 Lesson 8: Strategies to Determine Unknown Angle Measures
	7 M3 Lesson 18: Understanding Inequalities and Their Solutions
	7 M3 Lesson 22: Solving Problems Involving Inequalities
	7 M4 Lesson 2: Constructing Parallelograms and Other Quadrilaterals
	7 M4 Lesson 9: Constructing a Circle
	7 M4 Lesson 17: Surface Area of Right Rectangular and Right Triangular Prisms
	7 M4 Lesson 20: Surface Area of Right Pyramids
	7 M4 Lesson 21: Surface Area of Other Solids
	7 M5 Lesson 12: More Discounts

Mathematical Process Standards	Aligned Components of <i>Eureka Math</i> ²
PS.6 continued	7 M5 Lesson 24: Counting Problems
	7 M6 Lesson 2: Empirical Probability
	7 M6 Lesson 4: Theoretical Probability
	7 M6 Lesson 11: Populations and Samples
	7 M6 Lesson 13: Variability Between Samples
	7 M6 Lesson 16: Sampling Variability When Estimating a Population Proportion
PS.7	7 M1 Lesson 8: Relating Representations of Proportional Relationships
Look for and make use of structure.	7 M1 Lesson 9: Comparing Proportional Relationships
	7 M1 Lesson 12: Multi-Step Ratio Problems, Part 1
	7 M1 Lesson 15: Scale Drawings
	7 M2 Lesson 7: What Subtraction Means
	7 M2 Lesson 10: Subtracting Rational Numbers, Part 1
	7 M2 Lesson 15: Multiplying Rational Numbers
	7 M2 Lesson 17: Understanding Negative Dividends
	7 M2 Lesson 18: Understanding Negative Divisors
	7 M2 Lesson 22: Multiplication and Division Expressions
	7 M2 Lesson 23: Properties of Operations with Rational Numbers
	7 M3 Lesson 4: Adding and Subtracting Expressions
	7 M3 Lesson 6: Comparing Expressions
	7 M3 Lesson 9: Solving Equations to Determine Unknown Angle Measures
	7 M3 Lesson 13: Solving Equations—Puzzles
	7 M3 Lesson 14: Solving Equations–Scavenger Hunt
	7 M3 Lesson 17: Using Equations to Solve Problems
	7 M3 Lesson 19: Using Equations to Solve Inequalities

Mathematical Process Standards	Aligned Components of <i>Eureka Math</i> ²
PS.7 continued	7 M4 Lesson 11: The Inside of a Circle
	7 M4 Lesson 12: Exploring the Area and Circumference of a Circle
	7 M4 Lesson 13: Finding Areas of Circular Regions
	7 M4 Lesson 14: Composite Figures with Circular Regions
	7 M4 Lesson 18: Surface Area of Right Prisms
	7 M4 Lesson 22: Understanding Planes and Cross Sections
	7 M4 Lesson 23: Cross Section Scavenger Hunt
	7 M4 Lesson 24: Volume of Prisms
	7 M4 Lesson 25: Volume of Composite Solids
	7 M5 Lesson 2: Racing for Percents
	7 M5 Lesson 15: Tips and Taxes
	7 M5 Lesson 16: Markups and Discounts
	7 M5 Lesson 17: Simple Interest and Proportionality
	7 M5 Lesson 22: Making Mixtures
	7 M6 Lesson 5: Multistage Experiments
	7 M6 Lesson 6: Outcomes That Are Not Equally Likely
	7 M6 Lesson 18: Comparing Population Means

Mathematical Process Standards	Aligned Components of <i>Eureka Math</i> ²
PS.8	7 M1 Lesson 1: An Experiment with Ratios and Rates
Look for and express regularity in repeated reasoning.	7 M1 Lesson 3: Identifying Proportional Relationships in Tables
	7 M1 Lesson 4: Exploring Graphs of Proportional Relationships
	7 M1 Lesson 18: Relating Areas of Scale Drawings
	7 M2 Lesson 1: Combining Opposites
	7 M2 Lesson 2: Adding Integers
	7 M2 Lesson 3: Adding Integers Efficiently
	7 M2 Lesson 9: Subtracting Integers, Part 2
	7 M2 Lesson 19: Rational Numbers as Decimals, Part 1
	7 M3 Lesson 20: Preserving and Reversing
	7 M4 Lesson 5: Constructing Quadrilaterals and Triangles
	7 M4 Lesson 8: Two Sides and One Angle
	7 M4 Lesson 10: The Outside of a Circle
	7 M4 Lesson 19: Surface Area of Cylinders
	7 M5 Lesson 1: Proportionality and Scale Factor
	7 M5 Lesson 18: Simple Interest–Solving for Unknown Values
	7 M6 Lesson 7: The Law of Large Numbers

Number Sense

Students connect earlier learning to express the prime factorization of whole numbers using exponents, understand the inverse relationship between perfect squares and square roots, and use number lines to compare and order rational and irrational numbers

Indiana Academic Standards for Mathematics

7.NS.1 Show on a number line that a number and its opposite have a sum of 0 (are additive inverses). Find and interpret sums of rational numbers in real-world contexts.	 7 M2 Lesson 1: Combining Opposites 7 M2 Lesson 2: Adding Integers 7 M2 Lesson 3: Adding Integers Efficiently 7 M2 Lesson 5: Decomposing Rational Numbers to Make Addition More Efficient 7 M2 Lesson 6: Adding Rational Numbers 7 M2 Lesson 8: Subtracting Integers, Part 1 7 M2 Lesson 12: The Integer Game
7.NS.2 Show that the distance between two rational numbers on the number line is the absolute value of their difference, and apply this principle in real- world contexts.	 7 M2 Lesson 7: What Subtraction Means 7 M2 Lesson 8: Subtracting Integers, Part 1 7 M2 Lesson 9: Subtracting Integers, Part 2 7 M2 Lesson 10: Subtracting Rational Numbers, Part 1 7 M2 Lesson 11: Subtracting Rational Numbers, Part 2
7.NS.3 Use the properties of operations, particularly the distributive property, leading to products such as $(-1)(-1) = 1$ and the rules for multiplying signed numbers. (E)	7 M2 Lesson 13: Understanding Multiples of Negative Numbers 7 M2 Lesson 14: Understanding the Product of Two Negative Numbers 7 M2 Lesson 15: Multiplying Rational Numbers 7 M2 Lesson 16: Exponential Expressions with Rational Numbers

Indiana Academic Standards for Mathematics

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7.NS.4	7 M2 Lesson 18: Understanding Negative Divisors
Explain that if p and q are integers, then $-\left(\frac{p}{q}\right) = \frac{-p}{q} = \frac{p}{-q}$ for all nonzero integers. (E)	7 M2 Lesson 21: Comparing and Ordering Rational Numbers
7.NS.5 Find the prime factorization of whole	Supplemental material is necessary to address this standard.
numbers and write the results using exponents.	
7.NS.6	8 M1 Lesson 16: Perfect Squares and Perfect Cubes
Apply the inverse relationship between	8 M1 Lesson 17: Solving Equations with Squares and Cubes
squaring and finding the square root	8 M1 Lesson 20: Square Roots
Find square roots of perfect square	8 M1 Lesson 22: Familiar and Not So Familiar Numbers
whole numbers.	8 M1 Lesson 24: Revisiting Equations with Squares and Cubes
7.NS.7	7 M2 Lesson 4: KAKOOMA®
Compute fluently with rational numbers	7 M2 Lesson 5: Decomposing Rational Numbers to Make Addition More Efficient
using an algorithmic approach. (E)	7 M2 Lesson 6: Adding Rational Numbers
	7 M2 Lesson 9: Subtracting Integers, Part 2
	7 M2 Lesson 10: Subtracting Rational Numbers, Part 1
	7 M2 Lesson 11: Subtracting Rational Numbers, Part 2
	7 M2 Lesson 12: The Integer Game
	7 M2 Lesson 13: Understanding Multiples of Negative Numbers
	7 M2 Lesson 14: Understanding the Product of Two Negative Numbers
	7 M2 Lesson 15: Multiplying Rational Numbers
	7 M2 Lesson 16: Exponential Expressions with Rational Numbers

Indiana Academic Standards for Mathematics	Aligned Components of <i>Eureka Math</i> ²
7.NS.7 continued	7 M2 Lesson 17: Understanding Negative Dividends
	7 M2 Lesson 18: Understanding Negative Divisors
	7 M2 Lesson 22: Multiplication and Division Expressions
	7 M2 Lesson 24: Order of Operations with Rational Numbers
	7 M2 Lesson 25: Writing and Evaluating Expressions with Rational Numbers, Part 1
	7 M2 Lesson 26: Writing and Evaluating Expressions with Rational Numbers, Part 2

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Ratios and Proportional Reasoning

Students continue to use ratio and rate language, compute using unit rates, and use proportional relationships to solve real-world problems involving ratios and percents.

Indiana Academic Standards for Mathematics	Aligned Components of Eureka Math ²
7.RP.1	7 M1 Lesson 1: An Experiment with Ratios and Rates
Identify the unit rate or constant	7 M1 Lesson 2: Exploring Tables of Proportional Relationships

Identify the unit rate or constant	7 M1 Lesson 2: Exploring Tables of Proportional Relationships
of proportionality in tables, graphs,	7 M1 Lesson 3: Identifying Proportional Relationships in Tables
of proportional relationships.	7 M1 Lesson 4: Exploring Graphs of Proportional Relationships
	7 M1 Lesson 5: Analyzing Graphs of Proportional Relationships
	7 M1 Lesson 6: Identifying Proportional Relationships in Written Descriptions
	7 M1 Lesson 8: Relating Representations of Proportional Relationships
	7 M1 Lesson 9: Comparing Proportional Relationships
	7 M1 Lesson 10: Applying Proportional Reasoning
	7 M1 Lesson 11: Constant Rates
	7 M1 Lesson 12: Multi-Step Ratio Problems, Part 1

for Mathematics	Aligned Components of <i>Eureka Math</i> ²
7.RP.1 continued	7 M1 Lesson 13: Multi-Step Ratio Problems, Part 2
	7 M1 Lesson 14: Extreme Bicycles
	7 M1 Lesson 16: Using a Scale Factor
	7 M1 Lesson 18: Relating Areas of Scale Drawings
	7 M5 Lesson 1: Proportionality and Scale Factor
	7 M5 Lesson 4: Proportion and Percent
	7 M5 Lesson 5: Common Denominators or Common Numerators
7.RP.2	7 M1 Lesson 7: Handstand Sprint
Use proportional relationships	7 M1 Lesson 10: Applying Proportional Reasoning
to solve ratio and percent problems	7 M1 Lesson 11: Constant Rates
interest, tax, markups, markdowns,	7 M1 Lesson 12: Multi-Step Ratio Problems, Part 1
gratuities, conversions within and across	7 M1 Lesson 13: Multi-Step Ratio Problems, Part 2
measurement systems, and percent increase and decrease). (E)	7 M5 Lesson 2: Racing for Percents
	7 M5 Lesson 3: Percent as a Rate per 100
	7 M5 Lesson 4: Proportion and Percent
	7 M5 Lesson 5: Common Denominators or Common Numerators
	7 M5 Lesson 6: Finding Commission
	7 M5 Lesson 7: Finding Discounts
	7 M5 Lesson 8: Determining Fees
	7 M5 Lesson 9: Tax as a Fee
	7 M5 Lesson 10: Percent Increase
	7 M5 Lesson 11: Percent Decrease
	7 M5 Lesson 12: More Discounts

Indiana Academic Standards

for Mathematics	Alighed Components of Eureka Math-
7.RP.2 continued	7 M5 Lesson 13: What Is the Best Deal?
	7 M5 Lesson 15: Tips and Taxes
	7 M5 Lesson 16: Markups and Discounts
	7 M5 Lesson 17: Simple Interest and Proportionality
	7 M5 Lesson 18: Simple Interest—Solving for Unknown Values
	7 M5 Lesson 19: Applying Percent Error
	7 M5 Lesson 20: Making Money, Day 1
	7 M5 Lesson 21: Making Money, Day 2
	7 M5 Lesson 22: Making Mixtures
	7 M5 Lesson 23: Percents of Percents
7.RP.3	7 M1 Lesson 1: An Experiment with Ratios and Rates
Represent real-world and other	7 M1 Lesson 2: Exploring Tables of Proportional Relationships
mathematical situations that involve proportional relationships. Write equations and draw graphs to represent these proportional relationships. Apply the definition of unit rate to $y = mx$. (E)	7 M1 Lesson 3: Identifying Proportional Relationships in Tables
	7 M1 Lesson 4: Exploring Graphs of Proportional Relationships
	7 M1 Lesson 5: Analyzing Graphs of Proportional Relationships
	7 M1 Lesson 6: Identifying Proportional Relationships in Written Descriptions
	7 M1 Lesson 14: Extreme Bicycles
	8 M4 Lesson 15: Comparing Proportional Relationships
	8 M4 Lesson 16: Proportional Relationships and Slope

Indiana Academic Standards for Mathematics

Algebra and Functions

Students use two variable equations, as well as graphs and tables, to model real-world proportional relationships and connect the constant of proportionality to the idea of slope.

Indiana Academic Standards for Mathematics

7.AF.1	7 M3 Lesson 1: Equivalent Expressions
Apply the properties of operations (e.g., identity, inverse, commutative,	7 M3 Lesson 2: The Distributive Property and the Tabular Model
	7 M3 Lesson 3: The Distributive Property and Combining Like Terms
to create equivalent linear expressions,	7 M3 Lesson 4: Adding and Subtracting Expressions
including situations that involve factoring	7 M3 Lesson 5: Factoring Expressions
out a common number (e.g., given $2x - 10$, create an equivalent expression	7 M3 Lesson 6: Comparing Expressions
2(x-5)). Justify each step in the	
process. (E)	
7.AF.2	7 M2 Lesson 25: Writing and Evaluating Expressions with Rational Numbers, Part 1
Solve real-world problems with	7 M2 Lesson 26: Writing and Evaluating Expressions with Rational Numbers, Part 2
rational numbers by using one	7 M3 Lesson 2: The Distributive Property and the Tabular Model
or two operations. (E)	7 M3 Lesson 4: Adding and Subtracting Expressions
	7 M3 Lesson 5: Factoring Expressions
	7 M3 Lesson 6: Comparing Expressions
	7 M3 Lesson 9: Solving Equations to Determine Unknown Angle Measures
	7 M3 Lesson 10: Problem Solving with Unknown Angle Measures
	7 M3 Lesson 11: Dominoes and Dominoes
	7 M3 Lesson 16: Using Equations to Solve Rate Problems
	7 M3 Lesson 17: Using Equations to Solve Problems
	7 M5 Lesson 10: Percent Increase
	7 M5 Lesson 11: Percent Decrease

for Mathematics	Aligned Components of <i>Eureka Math</i> ²
7.AF.2 continued	7 M5 Lesson 12: More Discounts
	7 M5 Lesson 14: Scale Factor–Percent Increase and Decrease
	7 M5 Lesson 15: Tips and Taxes
	7 M5 Lesson 16: Markups and Discounts
	7 M5 Lesson 23: Percents of Percents
7.AF.3	7 M3 Lesson 7: Angle Relationships and Unknown Angle Measures
Solve equations of the form $px + q = r$	7 M3 Lesson 8: Strategies to Determine Unknown Angle Measures
and $p(x + q) = r$ fluently, where p, q ,	7 M3 Lesson 11: Dominoes and Dominoes
Represent real-world problems using	7 M3 Lesson 12: Solving Equations Algebraically and Arithmetically
equations of these forms and solve such	7 M3 Lesson 13: Solving Equations–Puzzles
problems. (E)	7 M3 Lesson 14: Solving Equations–Scavenger Hunt
	7 M3 Lesson 15: Solving Equations Fluently
	7 M3 Lesson 16: Using Equations to Solve Rate Problems
	7 M3 Lesson 17: Using Equations to Solve Problems
	7 M3 Lesson 18: Understanding Inequalities and Their Solutions
	7 M3 Lesson 19: Using Equations to Solve Inequalities
	7 M3 Lesson 21: Solving Two-Step Inequalities
	7 M3 Lesson 22: Solving Problems Involving Inequalities
	7 M3 Lesson 23: Inequalities vs. Equations

Indiana Academic Standards

for Mathematics	Aligned Components of Eureka Math ²
7.AF.4	7 M3 Lesson 11: Dominoes and Dominoes
Solve inequalities of the form	7 M3 Lesson 12: Solving Equations Algebraically and Arithmetically
$px + q$ (>or \ge) r or $px + q$ (<or <math="">\le) r, where</or>	7 M3 Lesson 13: Solving Equations—Puzzles
<i>p</i> , <i>q</i> , and <i>r</i> are specific rational numbers. Represent real-world problems using	7 M3 Lesson 16: Using Equations to Solve Rate Problems
inequalities of these forms and solve such	7 M3 Lesson 17: Using Equations to Solve Problems
problems. Graph the solution set of the	7 M3 Lesson 18: Understanding Inequalities and Their Solutions
of the problem.	7 M3 Lesson 19: Using Equations to Solve Inequalities
	7 M3 Lesson 20: Preserving and Reversing
	7 M3 Lesson 21: Solving Two-Step Inequalities
	7 M3 Lesson 22: Solving Problems Involving Inequalities
	7 M3 Lesson 23: Inequalities vs. Equations
7.AF.5	7 M1 Lesson 4: Exploring Graphs of Proportional Relationships
Define slope as vertical change for each	7 M1 Lesson 5: Analyzing Graphs of Proportional Relationships
unit of horizontal change, and apply that a constant rate of change or constant slope describes a linear function. Identify and describe situations with constant or varying rates of change.	7 M1 Lesson 9: Comparing Proportional Relationships
	8 M3 Lesson 17: Similar Triangles on a Line
	8 M4 Lesson 15: Comparing Proportional Relationships
	8 M4 Lesson 16: Proportional Relationships and Slope
	8 M4 Lesson 17: Slopes of Rising Lines
	8 M4 Lesson 18: Slopes of Falling Lines
	8 M4 Lesson 19: Using Coordinates to Find Slope
	8 M4 Lesson 20: Slope-Intercept Form of the Equation of a Line

Indiana Academic Standards

for Mathematics	Aligned Components of <i>Eureka Math</i> ²
7.AF.6	8 M3 Lesson 17: Similar Triangles on a Line
Graph a line given its slope and a point on the line. Find the slope of a line given its graph. (E)	8 M4 Lesson 16: Proportional Relationships and Slope
	8 M4 Lesson 17: Slopes of Rising Lines
	8 M4 Lesson 18: Slopes of Falling Lines
	8 M4 Lesson 19: Using Coordinates to Find Slope
	8 M4 Lesson 20: Slope-Intercept Form of the Equation of a Line

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Geometry and Measurement

Students use scale drawings, the area and circumference of circles, and the volume of cylinders and other three-dimensional solids to solve real-world problems.

Indiana Academic Standards for Mathematics

7.GM.1	7 M1 Lesson 15: Scale Drawings
Solve real-world and other mathematical problems involving scale drawings of geometric figures, including computing actual lengths and areas from a scale drawing. Create a scale drawing by using proportional reasoning.	7 M1 Lesson 16: Using a Scale Factor
	7 M1 Lesson 17: Finding Actual Distances from a Scale Drawing
	7 M1 Lesson 18: Relating Areas of Scale Drawings
	7 M1 Lesson 19: Scale and Scale Factor
	7 M1 Lesson 20: Creating Multiple Scale Drawings
	7 M5 Lesson 1: Proportionality and Scale Factor
	7 M5 Lesson 14: Scale Factor–Percent Increase and Decrease

for Mathematics	
7.GM.2	7 M4 Lesson 10: The Outside of a Circle
Understand the formulas for area and circumference of a circle and use	7 M4 Lesson 11: The Inside of a Circle
	7 M4 Lesson 12: Exploring the Area and Circumference of a Circle
mathematical problems; give an informal	7 M4 Lesson 13: Finding Areas of Circular Regions
derivation of the relationship between circumference and area of a circle.	7 M4 Lesson 14: Composite Figures with Circular Regions
	7 M4 Lesson 15: Watering a Lawn
7.GM.3	7 M4 Lesson 14: Composite Figures with Circular Regions
Solve real-world and other mathematical	7 M4 Lesson 16: Solving Area Problems by Composition and Decomposition
problems involving volume of cylinders and three-dimensional objects composed of right rectangular prisms. (E)	7 M4 Lesson 17: Surface Area of Right Rectangular and Right Triangular Prisms
	7 M4 Lesson 18: Surface Area of Right Prisms
	7 M4 Lesson 20: Surface Areas of Right Pyramids
	7 M4 Lesson 21: Surface Area of Other Solids
	7 M4 Lesson 24: Volume of Prisms
	7 M4 Lesson 25: Volume of Composite Solids
	7 M4 Lesson 26: Designing a Fish Tank

Indiana Academic Standards for Mathematics

Data Analysis, Statistics, and Probability

Students make inferences about populations through sampling and learn about the importance of representative samples.

Indiana Academic Standards for Mathematics Aligned Components of *Eureka Math*²

7.DSP.1	7 M6 Lesson 11: Populations and Samples
Understand that statistics can be used to gain information about a population by examining a sample of the population. Understand that conclusions and generalizations about a population from a sample are valid only if the sample is representative of that population and that random sampling tends to produce representative samples and support valid inferences. (E)	 7 M6 Lesson 12: Selecting a Sample 7 M6 Lesson 13: Variability Between Samples 7 M6 Lesson 14: Sampling Variability When Estimating a Population Mean 7 M6 Lesson 15: Sampling Variability and the Effect of Sample Size 7 M6 Lesson 16: Sampling Variability When Estimating a Population Proportion
7.DSP.2 Find, use, and interpret measures of central tendency (mean and median) and measures of spread (range, interquartile range, and mean absolute deviation) for numerical data from random samples to draw comparative inferences about two populations. (E)	7 M6 Lesson 17: Comparing Sample Means 7 M6 Lesson 18: Comparing Population Means 7 M6 Lesson 19: Memory Games
7.DSP.3 Make observations about the degree of visual overlap of two numerical data distributions represented in line plots or box plots. Describe how data, particularly outliers, added to a data set may affect the mean and/or median.	7 M6 Lesson 17: Comparing Sample Means 7 M6 Lesson 18: Comparing Population Means 7 M6 Lesson 19: Memory Games

Indiana Academic Standards

for Mathematics	
7.DSP.4	7 M6 Lesson 1: What Is Probability?
Understand that the probability of a chance event is a number between 0 and 1 that expresses the likelihood of the event occurring. Understand that 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. Understand that a probability of 1 indicates an event certain to occur and a probability of 0 indicates an event impossible to occur. Identify probabilities of events as impossible, unlikely, equally likely, likely, or certain. (E)	
7.DSP.5	7 M6 Lesson 2: Empirical Probability
Develop probability models that include the sample space and probabilities of outcomes to represent simple events	7 M6 Lesson 3: Outcomes of Chance Experiments
	7 M6 Lesson 4: Theoretical Probability
with equally likely outcomes. Predict	7 M6 Lesson 6: Outcomes That Are Not Equally Likely
the approximate relative frequency	7 M6 Lesson 7: The Law of Large Numbers
of the event based on the model. Compare probabilities from the model	7 M6 Lesson 8: Picking Blue
to observed frequencies, evaluate the	
level of agreement, and explain possible	

Aligned Components of Eureka Math²

sources of discrepancy. (E)

Integrated STEM

Communication and Collaboration

Indiana Academic Standards: Integrated STEM

7.CC.1	7 M1 Lesson 1: An Experiment with Ratios and Rates
Collect and document evidence to share information with others in multiple	7 M1 Lesson 7: Handstand Sprint
	7 M1 Lesson 15: Scale Drawings
media forms.	7 M2 Lesson 2: Adding Integers
	7 M2 Lesson 8: Subtracting Integers, Part 1
	7 M2 Lesson 13: Understanding Multiples of Negative Numbers
	7 M2 Lesson 17: Understanding Negative Dividends
	7 M3 Lesson 2: The Distributive Property and the Tabular Model
	7 M3 Lesson 8: Strategies to Determine Unknown Angle Measures
	7 M3 Lesson 18: Understanding Inequalities and Their Solutions
	7 M4 Lesson 1: Sketching, Drawing, and Constructing Geometric Figures
	7 M4 Lesson 5: Constructing Quadrilaterals and Triangles
	7 M4 Lesson 8: Two Sides and One Angle
	7 M4 Lesson 11: The Inside of a Circle
	7 M4 Lesson 15: Watering a Lawn
	7 M4 Lesson 23: Cross Section Scavenger Hunt
	7 M5 Lesson 2: Racing for Percents
	7 M5 Lesson 14: Scale Factor–Percent Increase and Decrease
	7 M5 Lesson 19: Applying Percent Error
	7 M5 Lesson 22: Making Mixtures
	7 M6 Lesson 3: Outcomes of Chance Experiments
	7 M6 Lesson 8: Picking Blue
	7 M6 Lesson 19: Memory Games

Integrated STEIVI	
7.CC.2	7 M1 Lesson 2: Exploring Tables of Proportional Relationships
Communicate the solution(s) of a problem/analysis either orally, visually,	7 M1 Lesson 3: Identifying Proportional Relationships in Tables
	7 M2 Lesson 1: Combining Opposites
or in writing, including process steps, findings, or conclusions.	7 M2 Lesson 3: Adding Integers Efficiently
	7 M2 Lesson 5: Decomposing Rational Numbers to Make Addition More Efficient
	7 M2 Lesson 7: What Subtraction Means
	7 M2 Lesson 11: Subtracting Rational Numbers, Part 2
	7 M2 Lesson 16: Exponential Expressions with Rational Numbers
	7 M2 Lesson 18: Understanding Negative Divisors
	7 M2 Lesson 20: Rational Numbers as Decimals, Part 2
	7 M2 Lesson 22: Multiplication and Division Expressions
	7 M2 Lesson 23: Properties of Operations with Rational Numbers
	7 M2 Lesson 25: Writing and Evaluating Expressions with Rational Numbers, Part 1
	7 M3 Lesson 1: Equivalent Expressions
	7 M3 Lesson 3: The Distributive Property and Combining Like Terms
	7 M3 Lesson 4: Adding and Subtracting Integers
	7 M3 Lesson 5: Factoring Expressions
	7 M3 Lesson 6: Comparing Expressions
	7 M3 Lesson 7: Angle Relationships and Unknown Angle Measures
	7 M3 Lesson 9: Solving Equations to Determine Unknown Angle Measures
	7 M3 Lesson 10: Problem Solving with Unknown Angle Measures
	7 M3 Lesson 11: Dominoes and Dominoes
	7 M3 Lesson 12: Solving Problems Algebraically and Arithmetically

Aligned Components of Eureka Math²

Indiana Academic Standards: Integrated STEM

Aligned Components of Eureka Math ²
7 M3 Lesson 13: Solving Equations—Puzzles
7 M3 Lesson 20: Preserving and Reversing
7 M3 Lesson 23: Inequalities vs. Equations
7 M4 Lesson 1: Sketching, Drawing, and Constructing Geometric Figures
7 M4 Lesson 2: Constructing Parallelograms and Other Quadrilaterals
7 M4 Lesson 3: Side Lengths of a Triangle
7 M4 Lesson 4: Angles of a Triangle
7 M4 Lesson 7: Two Angles and One Side
7 M4 Lesson 9: Constructing a Circle
7 M4 Lesson 13: Finding Areas of Circular Regions
7 M4 Lesson 14: Composite Figures with Circular Regions
7 M4 Lesson 16: Solving Area Problems by Composition and Decomposition
7 M4 Lesson 17: Surface Area of Right Rectangular and Right Triangular Prisms
7 M4 Lesson 18: Surface Area of Right Prisms
7 M4 Lesson 24: Volume of Prisms
7 M4 Lesson 25: Volume of Composite Solids
7 M4 Lesson 26: Designing a Fish Tank
7 M5 Lesson 3: Percent as a Rate per 100
7 M5 Lesson 4: Proportion and Percent
7 M5 Lesson 6: Finding Commission
7 M5 Lesson 8: Determining Fees
7 M5 Lesson 9: Tax as a Fee
7 M5 Lesson 10: Percent Increase

Indiana Academic Standards:

7 M5 Lesson 12: More Discounts
7 M5 Lesson 13: What Is the Best Deal?
7 M5 Lesson 17: Simple Interest and Proportionality
7 M5 Lesson 18: Simple Interest—Solving for Unknown Values
7 M5 Lesson 19: Apply Percent Error
7 M5 Lesson 20: Making Money, Day 1
7 M5 Lesson 21: Making Money, Day 2
7 M6 Lesson 1: What is Probability?
7 M6 Lesson 2: Empirical Probability
7 M6 Lesson 6: Outcomes That Are Not Equally Likely
7 M6 Lesson 7: The Law of Large Numbers
7 M6 Lesson 10: Simulations with Random Number Tables
7 M6 Lesson 12: Selecting a Sample
7 M6 Lesson 13: Variability Between Samples
7 M6 Lesson 15: Sampling Variability and the Effect of Sample Size
7 M6 Lesson 16: Sampling Variability When Estimating a Population Proportion
7 M6 Lesson 17: Comparing Sample Means
7 M6 Lesson 18: Comparing Populations Means

Indiana Academic Standards: Integrated STEM

Integrated STEM	• ·
7.CC.3	7 M1 Lesson 20: Creating Multiple Scale Drawings
Identify, implement, and assign roles and responsibilities to collaborate in various group settings (i.e., online, onsite and/or hybrid) and situations.	7 M2 Lesson 5: Decomposing Rational Numbers to make Addition More Efficient
	7 M2 Lesson 9: Subtracting Integers, Part 2
	7 M2 Lesson 21: Comparing and Ordering Rational Numbers
	7 M2 Lesson 26: Writing and Evaluating Expressions with Rational Numbers, Part 2
	7 M3 Lesson 3: The Distributive Property and Combining Like Terms
	7 M4 Lesson 4: Angles of a Triangle
	7 M4 Lesson 14: Composite Figures with Circular Regions
	7 M4 Lesson 25: Volume of Composite Solids
	7 M5 Lesson 4: Proportion and Percent
	7 M5 Lesson 8: Determining Fees
	7 M5 Lesson 18: Simple Interest—Solving for Unknown Values
	7 M5 Lesson 20: Making Money, Day 1
	7 M6 Lesson 2: Empirical Probability
7.CC.4	Supplemental material is necessary to address this standard.
Communicate specific constraints and criteria established for an investigation.	

Indiana Academic Standards: Integrated STEM

Integrated STEM	
7.CC.5	7 M1 Lesson 16: Using a Scale Factor
Evaluate competing solutions or arguments in a systematic way based on qualitative and/or quantitative evidence.	7 M1 Lesson 20: Creating Multiple Scale Drawings
	7 M2 Lesson 5: Decomposing Rational Numbers to make Addition More Efficient
	7 M2 Lesson 13: Understanding Multiples of Negative Numbers
	7 M2 Lesson 22: Multiplication and Division Expressions
	7 M4 Lesson 4: Angles of a Triangle
	7 M4 Lesson 6: Unique Triangles
	7 M4 Lesson 14: Composite Figures with Circular Regions
	7 M5 Lesson 8: Determining Fees
	7 M5 Lesson 10: Percent Increase
	7 M6 Lesson 17: Comparing Sample Means
	7 M6 Lesson 18: Comparing Population Means

Aligned Components of Eureka Math²

Indiana Academic Standards: Integrated STEM

Integrated STEM

Data Analysis and Measurement

Indiana Academic Standards: Integrated STEM

7.DM.1

Use multiple systems of measurement (i.e., standard and metric) and data sets (e.g., plots, tables, graphs, charts) defined in grade level content standards to analyze real-world scenarios and the mathematical relationships represented by the data.

	7 M1 Lesson 2: Exploring Tables of Proportional Relationships
nt	7 M1 Lesson 4: Exploring Graphs of Proportional Relationships
ta)	7 M1 Lesson 5: Analyzing Graphs of Proportional Relationships
dards	7 M1 Lesson 7: Handstand Sprint
the	7 M1 Lesson 8: Relating Representations of Proportional Relationships
nted	7 M1 Lesson 12: Multi-Step Ratio Problems, Part 1
	7 M1 Lesson 14: Extreme Bicycles
	7 M1 Lesson 16: Using a Scale Factor
	7 M1 Lesson 19: Scale and Scale Factor
	7 M2 Lesson 21: Comparing and Ordering Rational Numbers
	7 M2 Lesson 22: Multiplication and Division Expressions
	7 M2 Lesson 26: Writing and Evaluating Expressions with Rational Numbers, Part 2
	7 M3 Lesson 17: Using Equations to Solve Problems
	7 M3 Lesson 19: Using Equations to Solve Inequalities
	7 M3 Lesson 22: Solving Problems Involving Inequalities
	7 M4 Lesson 3: Side Lengths of a Triangle
	7 M4 Lesson 9: Constructing a Circle
	7 M4 Lesson 10: The Outside of a Circle
	7 M4 Lesson 12: Exploring the Area and Circumference of a Circle
	7 M4 Lesson 13: Finding Areas of Circular Regions
	7 M4 Lesson 14: Composite Figures with Circular Regions
	7 M4 Lesson 16: Solving Area Problems by Composition and Decomposition

Indiana Academic Standards: Integrated STEM	Aligned Components of <i>Eureka Math</i> ²
7.DM.1 continued	7 M4 Lesson 17: Surface Area of Right Rectangular and Right Triangular Prisms
	7 M4 Lesson 19: Surface Area of Cylinders
	7 M4 Lesson 21: Surface Area of Other Solids
	7 M4 Lesson 24: Volume of Prisms
	7 M4 Lesson 25: Volume of Composite Solids
	7 M4 Lesson 26: Designing a Fish Tank
	7 M5 Lesson 1: Proportionality and Scale Factor
	7 M5 Lesson 3: Percent as a Rate per 100
	7 M5 Lesson 23: Percents of Percents
7.DM.2	7 M2 Lesson 7: What Subtraction Means
Construct visual representations (e.g., bar	7 M2 Lesson 8: Subtracting Integers, Part 1
graphs, charts) to determine patterns	7 M2 Lesson 9: Subtracting Integers, Part 2
or statistical analysis (e.g., mean, median) defined in grade level content standards.	7 M2 Lesson 13: Understanding Multiples of Negative Numbers
	7 M6 Lesson 12: Selecting a Sample
	7 M6 Lesson 13: Variability Between Samples
	7 M6 Lesson 14: Sampling Variability When Estimating a Population Mean
	7 M6 Lesson 15: Sampling Variability and the Effect of Sample Size
	7 M6 Lesson 16: Sampling Variability When Estimating a Population Proportion
	7 M6 Lesson 17: Comparing Sample Means
	7 M6 Lesson 18: Comparing Population Means
	7 M6 Lesson 19: Memory Games

Indiana Academic Standards:

V	
7.DM.3	7 M1 Lesson 10: Applying Proportional Reasoning
Use approximations and evaluate reasonableness of observations, results, and solutions throughout processes.	7 M2 Lesson 6: Adding Rational Numbers
	7 M2 Lesson 21: Comparing and Ordering Rational Numbers
	7 M4 Lesson 10: The Outside of a Circle
	7 M4 Lesson 12: Exploring the Area and Circumference of a Circle
	7 M4 Lesson 13: Finding Areas of Circular Regions
	7 M4 Lesson 14: Composite Figures with Circular Regions
	7 M4 Lesson 15: Watering the Lawn
	7 M4 Lesson 16: Solve Area Problems by Composition and Decomposition
	7 M4 Lesson 19: Surface Area of Cylinders
	7 M5 Lesson 19: Applying Percent Error
	7 M6 Lesson 7: The Law of Large Numbers
	7 M6 Lesson 8: Picking Blue
	7 M6 Lesson 9: Probability Simulations
	7 M6 Lesson 10: Simulations with Random Number Tables
	7 M6 Lesson 11: Populations and Samples
	7 M6 Lesson 12: Selecting a Sample
	7 M6 Lesson 13: Variability Between Samples
	7 M6 Lesson 14: Sampling Variability When Estimating a Population Mean
	7 M6 Lesson 15: Sampling Variability and the Effect of Sample Size
	7 M6 Lesson 16: Sampling Variability When Estimating a Population Proportion
	7 M6 Lesson 17: Comparing Sample Means
	7 M6 Lesson 18: Comparing Population Means

Aligned Components of Eureka Math²

Indiana Academic Standards: Integrated STEM

Indiana Academic Standards: Integrated STEM

Aligned Components of Eureka Math²

7.DM.4	Supplemental material is necessary to address this standard.
Choose data sets and analysis methods to support the inquiry process.	

Integrated STEM

Inquiry-Based Approaches and Problem Solving

Indiana Academic Standards: Integrated STEM

7.IPS.1	7 M1 Lesson 7: Handstand Sprint
Conduct or extend an original investigation, analyze results, iterate, and revise to improve the design.	7 M1 Lesson 11: Constant Rates
	7 M1 Lesson 14: Extreme Bicycles
	7 M1 Lesson 19: Scale and Scale Factor
	7 M2 Lesson 1: Adding Integers
	7 M2 Lesson 26: Writing and Evaluating Expressions with Rational Numbers, Part 2
	7 M3 Lesson 11: Dominoes and Dominoes
	7 M4 Lesson 15: Watering a Lawn (digital lesson)
	7 M4 Lesson 26: Designing a Fish Tank
	7 M5 Lesson 13: What Is the Best Deal?
	7 M5 Lesson 20: Making Money, Day 1
	7 M5 Lesson 21: Making Money, Day 2

Integrated 51 EM	
7.IPS.2	7 M1 Lesson 7: Handstand Sprint
Determine one or more viable solutions using data and information to resolve a scenario given criteria and constraints.	7 M1 Lesson 11: Constant Rates
	7 M1 Lesson 14: Extreme Bicycles
	7 M1 Lesson 19: Scale and Scale Factor
	7 M2 Lesson 1: Adding Integers
	7 M2 Lesson 26: Writing and Evaluating Expressions with Rational Numbers, Part 2
	7 M3 Lesson 11: Dominoes and Dominoes
	7 M4 Lesson 15: Watering a Lawn (digital lesson)
	7 M4 Lesson 26: Designing a Fish Tank
	7 M5 Lesson 13: What Is the Best Deal?
	7 M5 Lesson 20: Making Money, Day 1
	7 M5 Lesson 21: Making Money, Day 2
7.IPS.3	Supplemental material is necessary to address this standard.
Integrate processes and methodologies across disciplines based on content specific standards to incorporate multiple sources of evidence to support defining a solution.	

Indiana Academic Standards: Integrated STEM

Integrated STEM

Applications and Modeling

Indiana Academic Standards: Integrated STEM

7.AM.1	7 M1 Lesson 11: Constant Rates
Interpret and evaluate relationships among sets of data	7 M1 Lesson 13: Writing Equations for Proportional Relationships
	7 M4 Lesson 10: The Outside of a Circle
(e.g., distance-time graph).	7 M4 Lesson 12: Exploring the Area and Circumference of a Circle
	7 M4 Lesson 13: Finding Areas of Circular Regions
	7 M5 Lesson 17: Simple Interest and Proportionality
	7 M5 Lesson 18: Simple Interest—Solving for Unknown Values
	7 M6 Lesson 7: The Law of Large Numbers
	7 M6 Lesson 17: Comparing Sample Means
	7 M6 Lesson 18: Comparing Populations Means
7.AM.2	7 M1 Lesson 2: Exploring Tables of Proportional Relationships
Use coordinate planes or number lines	7 M1 Lesson 4: Exploring Graphs of Proportional Relationships
to examine information and represent solutions.	7 M1 Lesson 9: Comparing Proportional Relationships
	7 M1 Lesson 10: Applying Proportional Relationships
	7 M1 Lesson 11: Constant Rates
	7 M1 Lesson 19: Scale and Scale Factor
	7 M2 Lesson 1: Combining Opposites
	7 M2 Lesson 2: Adding Integers
	7 M2 Lesson 3: Adding Integers Efficiently
	7 M2 Lesson 5: Decomposing Rational Numbers to Make Addition More Efficient
	7 M2 Lesson 6: Adding Rational Numbers

Indiana Academic Standards: Integrated STEM	Aligned Components of <i>Eureka Math</i> ²
7.AM.2 continued	7 M2 Lesson 7: What Subtraction Means
	7 M2 Lesson 8: Subtracting Integers, Part 1
	7 M2 Lesson 9: Subtracting Integers, Part 2
	7 M2 Lesson 10: Subtracting Rational Numbers, Part 1
	7 M2 Lesson 13: Understanding Multiples of Negative Numbers
	7 M2 Lesson 17: Understanding Negative Dividends
	7 M2 Lesson 21: Comparing and Ordering Rational Numbers
	7 M2 Lesson 25: Writing and Evaluating Expressions with Rational Numbers, Part 1
	7 M3 Lesson 18: Understanding Inequalities and Their Solutions
	7 M3 Lesson 19: Using Equations to Solve Inequalities
	7 M3 Lesson 20: Preserving and Reversing
	7 M3 Lesson 21: Solving Two-Step Inequalities
	7 M5 Lesson 3: Percent as a Rate per 100
	7 M5 Lesson 6: Finding Commission
	7 M5 Lesson 17: Simple Interest and Proportionality
	7 M5 Lesson 18: Simple Interest–Solving for Unknown Values
	7 M6 Lesson 1: What is Probability?
	7 M6 Lesson 2: Empirical Probability
	7 M6 Lesson 7: The Law of Large Numbers
	7 M6 Lesson 12: Selecting a Sample
	7 M6 Lesson 13: Variability Between Samples
	7 M6 Lesson 14: Sampling Variability When Estimating a Population Mean
	7 M6 Lesson 15: Sampling Variability and the Effect of Sample Size

Indiana Academic Standards:

Integrated STEM	Aligned Components of Eureka Math-
7.AM.2 continued	7 M6 Lesson 16: Sampling Variability When Estimating a Population Proportion 7 M6 Lesson 17: Comparing Sample Means 7 M6 Lesson 18: Comparing Population Means 7 M6 Lesson 19: Memory Games
7.AM.3 Use models to compare and contrast different systems and explain the factors that influence them.	 7 M1 Lesson 4: Exploring Graphs of Proportional Relationships 7 M1 Lesson 6: Identifying Proportional Relationships in Written Descriptions 7 M1 Lesson 9: Comparing Proportional Relationships 7 M1 Lesson 10: Applying Proportional Relationships
7.AM.4 Use and revise models to describe, test, and predict phenomena or solutions.	Supplemental material is necessary to address this standard.

Integrated STEM

Information and Digital Literacy

Indiana Academic Standards: Integrated STEM

7.IDL.1 Identify and evaluate the impact of technology when selecting tools to solve a problem in order to determine the most effective solution.	Supplemental material is necessary to address this standard.
7.IDL.2 Review and compile information from multiple sources to solve a problem.	Supplemental material is necessary to address this standard.
7.IDL.3 Describe how solutions or technologies are adapted to meet the changing needs and wants of individuals or communities.	Supplemental material is necessary to address this standard.