Grade 5 | Missouri Mathematics Learning Standards 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* aha 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 high-quality 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.

Standards for Mathematical Practice	Aligned Components of *Eureka Math²*
MP.1 Make sense of problems and persevere in solving them.	Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.
MP.2 Reason abstractly and quantitatively.	Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.
MP.3 Construct viable arguments and critique the reasoning of others.	Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.
MP.4 Model with mathematics.	Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.
MP.5 Use appropriate tools strategically.	Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.
MP.6 Attend to precision.	Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.
MP.7 Look for and make use of structure.	Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.
MP.8 Look for and express regularity in repeated reasoning.	Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.

Number Sense and Operations in Base Ten

5.NBT.A Use place value system understanding to perform operations with multi-digit whole numbers to billions and decimals to thousandths.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.NBT.A.1 Read, write and identify numbers from billions to thousandths using number names, base ten numerals and expanded form.	4 M1 Lesson 5: Organize, count, and represent a collection of objects. 4 M1 Lesson 7: Write numbers to $1{,}000{,}000$ in unit form and expanded form by using place value structure. 4 M1 Lesson 8: Write numbers to $1{,}000{,}000$ in standard form and word form. 4 M1 Lesson 10: Name numbers by using place value understanding. 4 M1 Lesson 11: Find 1, 10, and 100 thousand more than and less than a given number. 5 M4 Lesson 1: Model and relate decimal place value units to thousandths. 5 M4 Lesson 2: Represent thousandths as a place value unit. 5 M4 Lesson 3: Represent decimal numbers to the thousandths place in different forms. 5 M4 Lesson 6: Compare decimal numbers to the thousandths place.
5.NBT.A.2 Compare two numbers from billions to thousandths using the symbols $>$, $=$ or $<$, and justify the solution.	4 M1 Lesson 9: Compare numbers within $1{,}000{,}000$ by using $>$, $=$, and $<$. 5 M4 Lesson 6: Compare decimal numbers to the thousandths place.
5.NBT.A.3 Understand that in a multi-digit number, a digit represents $\frac{1}{10}$ times what it would represent in the place to its left.	5 M1 Lesson 1: Relate adjacent place value units by using place value understanding. 5 M1 Lesson 2: Multiply and divide by 10, 100, and $1{,}000$ and identify patterns in the products and quotients. 5 M4 Lesson 1: Model and relate decimal place value units to thousandths. 5 M4 Lesson 2: Represent thousandths as a place value unit. 5 M4 Lesson 3: Represent decimal numbers to the thousandths place in different forms. 5 M4 Lesson 4: Relate the values of digits in a decimal number by using place value understanding.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.NBT.A.4 Evaluate the value of powers of 10 and understand the relationship to the place value system.	5 M1 Lesson 2: Multiply and divide by 10, 100, and 1,000 and identify patterns in the products and quotients. 5 M1 Lesson 3: Use exponents to multiply and divide by powers of 10. 5 M1 Lesson 4: Estimate products and quotients by using powers of 10 and their multiples. 5 M4 Lesson 5: Multiply and divide decimal numbers by powers of 10.
5.NBT.A.5 Round numbers from billions to thousandths place.	4 M1 Lesson 12: Round to the nearest thousand. 4 M1 Lesson 13: Round to the nearest ten thousand and hundred thousand. 4 M1 Lesson 14: Round multi-digit numbers to any place. 4 M1 Lesson 15: Apply estimation to real-world situations by using rounding. 5 M4 Lesson 7: Round decimal numbers to the nearest one, tenth, or hundredth. 5 M4 Lesson 8: Round decimal numbers to any place value unit.
5.NBT.A.6 Add and subtract multi-digit whole numbers and decimals to the thousandths place, and justify the solution.	4 M1 Topic D: Multi-Digit Whole Number Addition and Subtraction 5 M4 Lesson 9: Add decimal numbers by using different methods. 5 M4 Lesson 10: Add decimal numbers by using place value understanding. 5 M4 Lesson 11: Subtract decimal numbers by using different methods. 5 M4 Lesson 12: Subtract decimal numbers by using place value understanding.
5.NBT.A.7 Multiply multi-digit whole numbers and decimals to the hundredths place, and justify the solution.	5 M1 Topic B: Multiplication of Whole Numbers 5 M4 Topic C: Multiplication of Decimal Numbers

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.NBT.A.8 Divide multi-digit whole numbers and decimals to the hundredths place using up to two-digit divisors and four-digit dividends, and justify the solution.	5 M1 Topic C: Division of Whole Numbers 5 M4 Topic D: Division of Decimal Numbers

Number Sense and Operations in Fractions

5.NF.A Understand the relationship between fractions and decimals (denominators that are factors of 100).

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.NF.A.1 Understand that parts of a whole can be expressed as fractions and/or decimals.	4 M5 Lesson 2: Decompose 1 one and express tenths in fraction form and decimal form. 4 M5 Lesson 3: Represent tenths as a place value unit. 4 M5 Lesson 4: Write mixed numbers in decimal form with tenths. 4 M5 Topic B: Tenths and Hundredths
5.NF.A.2 Convert decimals to fractions and fractions to decimals.	5 M4 Lesson 13: Solve word problems involving addition and subtraction of decimal numbers and fractions.
5.NF.A.3 Compare and order fractions and/or decimals to the thousandths place using the symbols $>$, $=$ or $<$, and justify the solution.	4 M4 Topic C: Compare Fractions 5 M4 Lesson 6: Compare decimal numbers to the thousandths place.

Number Sense and Operations in Fractions

5.NF.B Perform operations and solve problems with fractions and decimals.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.NF.B.4 Estimate results of sums, differences and products with fractions and decimals to the thousandths.	5 M2 Topic C: Addition and Subtraction of Fractions, Whole Numbers, and Mixed Numbers 5 M2 Lesson 17: Solve problems by equally redistributing a total amount. 5 M3 Topic A: Multiplication of a Whole Number by a Fraction 5 M3 Topic B: Multiplication of Fractions 5 M4 Lesson 9: Add decimal numbers by using different methods. 5 M4 Lesson 10: Add decimal numbers by using place value understanding. 5 M4 Lesson 11: Subtract decimal numbers by using different methods. 5 M4 Lesson 12: Subtract decimal numbers by using place value understanding. 5 M4 Topic C: Multiplication of Decimal Numbers 5 M5 Lesson 12: Multiply mixed numbers.
5.NF.B.5 Justify the reasonableness of a product when multiplying with fractions.	5 M3 Lesson 1: Find fractions of a set with arrays. 5 M3 Lesson 2: Interpret fractions as division to find fractions of a set with tape diagrams and number lines. 5 M3 Lesson 4: Multiply a whole number by a fraction. 5 M3 Lesson 5: Convert larger customary measurement units to smaller measurement units. 5 M3 Lesson 6: Convert smaller customary measurement units to larger measurement units. 5 M3 Topic B: Multiplication of Fractions
5.NF.B.5.a Estimate the size of the product based on the size of the two factors.	5 M3 Topic A: Multiplication of a Whole Number by a Fraction 5 M3 Topic B: Multiplication of Fractions

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.NF.B.5.b Explain why multiplying a given number by a fraction greater than 1 results in a product larger than the given number.	5 M3 Lesson 1: Find fractions of a set with arrays. 5 M3 Lesson 2: Interpret fractions as division to find fractions of a set with tape diagrams and number lines. 5 M3 Lesson 4: Multiply a whole number by a fraction. 5 M3 Lesson 5: Convert larger customary measurement units to smaller measurement units. 5 M3 Lesson 6: Convert smaller customary measurement units to larger measurement units. 5 M3 Topic B: Multiplication of Fractions
5.NF.B.5.c Explain why multiplying a given number by a fraction less than 1 results in a product smaller than the given number.	5 M3 Lesson 1: Find fractions of a set with arrays. 5 M3 Lesson 2: Interpret fractions as division to find fractions of a set with tape diagrams and number lines. 5 M3 Lesson 4: Multiply a whole number by a fraction. 5 M3 Lesson 5: Convert larger customary measurement units to smaller measurement units. 5 M3 Lesson 6: Convert smaller customary measurement units to larger measurement units. 5 M3 Topic B: Multiplication of Fractions
5.NF.B.5.d Explain why multiplying the numerator and denominator by the same number is equivalent to multiplying the fraction by 1.	5 M3 Lesson 1: Find fractions of a set with arrays. 5 M3 Lesson 2: Interpret fractions as division to find fractions of a set with tape diagrams and number lines. 5 M3 Lesson 4: Multiply a whole number by a fraction. 5 M3 Lesson 5: Convert larger customary measurement units to smaller measurement units. 5 M3 Lesson 6: Convert smaller customary measurement units to larger measurement units. 5 M3 Topic B: Multiplication of Fractions

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.NF.B.6 Solve problems involving addition and subtraction of fractions and mixed numbers with unlike denominators, and justify the solution.	5 M2 Topic B: Addition and Subtraction of Fractions by Making Like Units 5 M2 Topic C: Addition and Subtraction of Fractions, Whole Numbers, and Mixed Numbers 5 M2 Lesson 17: Solve problems by equally redistributing a total amount.
5.NF.B.7 Extend the concept of multiplication to multiply a fraction or whole number by a fraction.	5 M3 Lesson 3: Multiply a whole number by a fraction less than 1. 5 M3 Lesson 9: Multiply fractions by unit fractions by making simpler problems. 5 M3 Lesson 10: Multiply fractions greater than 1 by fractions. 5 M5 Lesson 12: Multiply mixed numbers.
5.NF.B.7.a Recognize the relationship between multiplying fractions and finding the areas of rectangles with fractional side lengths.	5 M5 Lesson 8: Find areas of square tiles with fraction side lengths by relating the tile to a unit square. 5 M5 Lesson 9: Organize, count, and represent a collection of square tiles. 5 M5 Lesson 10: Find the area of a rectangle with fraction side lengths by relating the rectangle to a unit square. 5 M5 Lesson 11: Find areas of rectangles with fraction side lengths by using multiplication. 5 M5 Lesson 12: Multiply mixed numbers. 5 M5 Lesson 13: Solve mathematical problems involving areas of composite figures with mixed-number side lengths. 5 M5 Lesson 14: Solve real-world problems involving areas of composite figures with mixed-number side lengths. 5 M6 Lesson 15: Use the coordinate plane to reason about perimeters and areas of rectangles.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.NF.B.7.b Calculate and interpret the product of a fraction by a whole number and a whole number by a fraction.	4 M4 Topic F: Repeated Addition of Fractions as Multiplication 5 M3 Topic A: Multiplication of a Whole Number by a Fraction 5 M3 Lesson 7: Multiply fractions less than 1 by unit fractions pictorially. 5 M3 Lesson 8: Multiply fractions less than 1 pictorially. 5 M3 Lesson 11: Multiply fractions.
5.NF.B.7.c Calculate and interpret the product of two fractions less than one.	5 M5 Lesson 8: Find areas of square tiles with fraction side lengths by relating the tile to a unit square. 5 M5 Lesson 9: Organize, count, and represent a collection of square tiles. 5 M5 Lesson 10: Find the area of a rectangle with fraction side lengths by relating the rectangle to a unit square. 5 M5 Lesson 11: Find areas of rectangles with fraction side lengths by using multiplication. 5 M5 Lesson 12: Multiply mixed numbers. 5 M5 Lesson 13: Solve mathematical problems involving areas of composite figures with mixed-number side lengths. 5 M5 Lesson 14: Solve real-world problems involving areas of composite figures with mixed-number side lengths. 5 M6 Lesson 15: Use the coordinate plane to reason about perimeters and areas of rectangles.
5.NF.B.8 Extend the concept of division to divide unit fractions and whole numbers by using visual fraction models and equations.	*This standard is fully addressed by the lessons aligned to its subsections.*

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.NF.B.8.a Calculate and interpret the quotient of a unit fraction by a non-zero whole number.	5 M3 Lesson 14: Divide a unit fraction by a nonzero whole number. 5 M3 Lesson 15: Divide by whole numbers and unit fractions. 5 M3 Lesson 16: Reason about the size of quotients of whole numbers and unit fractions and quotients of unit fractions and whole numbers. 5 M3 Lesson 19: Create and solve one-step word problems involving fractions.
5.NF.B.8.b Calculate and interpret the quotient of a whole number by a unit fraction.	5 M3 Lesson 12: Divide a nonzero whole number by a unit fraction to find the number of groups. 5 M3 Lesson 13: Divide a nonzero whole number by a unit fraction to find the size of the group. 5 M3 Lesson 15: Divide by whole numbers and unit fractions. 5 M3 Lesson 16: Reason about the size of quotients of whole numbers and unit fractions and quotients of unit fractions and whole numbers. 5 M3 Lesson 19: Create and solve one-step word problems involving fractions.

Relationships and Algebraic Thinking

5.RA.A Represent and analyze patterns and relationships.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.RA.A.1 Investigate the relationship between two numeric patterns.	*This standard is fully addressed by the lessons aligned to its subsections.*
5.RA.A.1.a Generate two numeric patterns given two rules.	5 M6 Lesson 7: Generate number patterns to form ordered pairs. 5 M6 Lesson 8: Identify addition and subtraction relationships between corresponding terms in number patterns. 5 M6 Lesson 9: Identify multiplication and division relationships between corresponding terms in number patterns.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.RA.A.1.a *continued*	5 M6 Lesson 11: Draw lines in the coordinate plane and identify points on the lines. 5 M6 Lesson 20: Reason about patterns in real-world situations.
5.RA.A.1.b Translate two numeric patterns into two sets of ordered pairs.	5 M6 Lesson 7: Generate number patterns to form ordered pairs. 5 M6 Lesson 8: Identify addition and subtraction relationships between corresponding terms in number patterns. 5 M6 Lesson 9: Identify multiplication and division relationships between corresponding terms in number patterns. 5 M6 Lesson 11: Draw lines in the coordinate plane and identify points on the lines. 5 M6 Lesson 20: Reason about patterns in real-world situations.
5.RA.A.1.c Graph numeric patterns on the Cartesian coordinate plane.	5 M6 Lesson 7: Generate number patterns to form ordered pairs. 5 M6 Lesson 8: Identify addition and subtraction relationships between corresponding terms in number patterns. 5 M6 Lesson 9: Identify multiplication and division relationships between corresponding terms in number patterns. 5 M6 Lesson 11: Draw lines in the coordinate plane and identify points on the lines. 5 M6 Lesson 20: Reason about patterns in real-world situations.
5.RA.A.1.d Identify the relationship between two numeric patterns.	5 M6 Lesson 7: Generate number patterns to form ordered pairs. 5 M6 Lesson 8: Identify addition and subtraction relationships between corresponding terms in number patterns. 5 M6 Lesson 9: Identify multiplication and division relationships between corresponding terms in number patterns. 5 M6 Lesson 11: Draw lines in the coordinate plane and identify points on the lines. 5 M6 Lesson 20: Reason about patterns in real-world situations.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.RA.A.2 Write a rule to describe or explain a given numeric pattern.	5 M6 Lesson 7: Generate number patterns to form ordered pairs. 5 M6 Lesson 8: Identify addition and subtraction relationships between corresponding terms in number patterns. 5 M6 Lesson 9: Identify multiplication and division relationships between corresponding terms in number patterns. 5 M6 Lesson 11: Draw lines in the coordinate plane and identify points on the lines. 5 M6 Lesson 20: Reason about patterns in real-world situations.

Relationships and Algebraic Thinking

5.RA.B Write and interpret numerical expressions.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.RA.B.3 Write, evaluate and interpret numeric expressions using the order of operations.	5 M1 Lesson 7: Multiply by using familiar methods. 5 M1 Lesson 8: Multiply two- and three-digit numbers by two-digit numbers by using the distributive property. 5 M1 Topic D: Multi-Step Problems with Whole Numbers 5 M3 Lesson 18: Compare and evaluate expressions with parentheses. 5 M3 Lesson 22: Evaluate expressions involving nested grouping symbols. 5 M4 Lesson 29: Interpret, evaluate, and compare numerical expressions involving decimals. 5 M4 Lesson 30: Create and solve real-world problems for given numerical expressions involving decimals. *Supplemental material is necessary to address the order of operations.*

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.RA.B.4 Translate written expressions into algebraic expressions.	5 M1 Topic D: Multi-Step Problems with Whole Numbers 5 M3 Lesson 12: Divide a nonzero whole number by a unit fraction to find the number of groups. 5 M3 Lesson 16: Reason about the size of quotients of whole numbers and unit fractions and quotients of unit fractions and whole numbers. 5 M3 Lesson 18: Compare and evaluate expressions with parentheses. 5 M4 Lesson 29: Interpret, evaluate, and compare numerical expressions involving decimals. 5 M4 Lesson 30: Create and solve real-world problems for given numerical expressions involving decimals.

Relationships and Algebraic Thinking

5.RA.C Use the four operations to represent and solve problems.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.RA.C.5 Solve and justify multi-step problems involving variables, whole numbers, fractions and decimals.	5 M1 Lesson 19: Solve multi-step word problems involving multiplication and division. 5 M1 Lesson 20: Solve multi-step word problems involving the four operations. 5 M2 Topic A: Fractions and Division 5 M3 Lesson 17: Solve word problems involving fractions with multiplication and division. 5 M3 Lesson 20: Solve multi-step word problems involving fractions and write equations with parentheses. 5 M3 Lesson 21: Solve multi-step word problems involving fractions. 5 M4 Lesson 13: Solve word problems involving addition and subtraction of decimal numbers and fractions. 5 M5 Lesson 14: Solve real-world problems involving areas of composite figures with mixed-number side lengths. 5 M5 Lesson 15: Solve multi-step word problems involving multiplication of mixed numbers. *Supplemental material is necessary to address multi-step problems involving decimals.*

Geometry and Measurement

5.GM.A Classify two- and three-dimensional geometric shapes.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.GM.A.1 Understand that attributes belonging to a category of figures also belong to all subcategories.	5 M5 Topic A: Drawing, Analysis, and Classification of Two-Dimensional Figures
5.GM.A.2 Classify figures in a hierarchy based on properties.	5 M5 Topic A: Drawing, Analysis, and Classification of Two-Dimensional Figures 5 M6 Lesson 12: Graph and classify quadrilaterals in the coordinate plane.
5.GM.A.3 Analyze and describe the properties of prisms and pyramids.	5 M5 Lesson 16: Identify attributes and properties of right rectangular prisms. *Supplemental material is necessary to address the properties of pyramids and prisms other than right rectangular prisms.*

Geometry and Measurement

5.GM.B Understand and compute volume.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.GM.B.4 Understand the concept of volume and recognize that volume is measured in cubic units.	*This standard is fully addressed by the lessons aligned to its subsections.*

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.GM.B.4.a Describe a cube with edge length 1 unit as a "unit cube" and is said to have "one cubic unit" of volume and can be used to measure volume.	5 M5 Topic C: Volume Concepts
5.GM.B.4.b Understand that the volume of a right rectangular prism can be found by stacking multiple layers of the base.	5 M5 Lesson 16: Identify attributes and properties of right rectangular prisms. 5 M5 Lesson 17: Find the volume of right rectangular prisms by packing with unit cubes and counting. 5 M5 Lesson 19: Compose and decompose right rectangular prisms to find their volume by using layers. 5 M5 Lesson 20: Interpret volume as filling. 5 M5 Lesson 21: Relate volumes of solids and liquid volume. 5 M5 Lesson 22: Find the volumes of right rectangular prisms by using the area of the base. 5 M5 Lesson 23: Find the volumes of right rectangular prisms by multiplying the edge lengths.
5.GM.B.5 Apply the formulas $V = l \times w \times h$ and $V = B \times h$ for volume of right rectangular prisms with whole-number edge lengths.	5 M5 Topic D: Volume and the Operations of Multiplication and Addition

Geometry and Measurement

5.GM.C Graph points on the Cartesian coordinate plane within the first quadrant to solve problems.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.GM.C.6 Define a first quadrant Cartesian coordinate system.	*This standard is fully addressed by the lessons aligned to its subsections.*
5.GM.C.6.a Represent the axes as scaled perpendicular number lines that both intersect at 0, the origin.	5 M6 Lesson 1: Construct a coordinate system on a line. 5 M6 Lesson 2: Construct a coordinate system in a plane. 5 M6 Lesson 3: Identify and plot points by using ordered pairs.
5.GM.C.6.b Identify any point on the Cartesian coordinate plane by its ordered pair coordinates.	5 M6 Lesson 1: Construct a coordinate system on a line. 5 M6 Lesson 2: Construct a coordinate system in a plane. 5 M6 Lesson 3: Identify and plot points by using ordered pairs.
5.GM.C.6.c Define the first number in an ordered pair as the horizontal distance from the origin.	5 M6 Lesson 1: Construct a coordinate system on a line. 5 M6 Lesson 2: Construct a coordinate system in a plane. 5 M6 Lesson 3: Identify and plot points by using ordered pairs.
5.GM.C.6.d Define the second number in an ordered pair as the vertical distance from the origin.	5 M6 Lesson 1: Construct a coordinate system on a line. 5 M6 Lesson 2: Construct a coordinate system in a plane. 5 M6 Lesson 3: Identify and plot points by using ordered pairs.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.GM.C.7 Plot and interpret points in the first quadrant of the Cartesian coordinate plane.	5 M6 Lesson 4: Describe the distance and direction between points in the coordinate plane. 5 M6 Lesson 5: Identify properties of horizontal and vertical lines. 5 M6 Lesson 6: Use properties of horizontal and vertical lines to solve problems. 5 M6 Lesson 7: Generate number patterns to form ordered pairs. 5 M6 Lesson 8: Identify addition and subtraction relationships between corresponding terms in number patterns. 5 M6 Lesson 9: Identify multiplication and division relationships between corresponding terms in number patterns. 5 M6 Topic C: Solve Mathematical Problems in the Coordinate Plane 5 M6 Lesson 16: Interpret graphs that represent real-world situations. 5 M6 Lesson 17: Plot data in the coordinate plane and analyze relationships. 5 M6 Lesson 18: Interpret line graphs. 5 M6 Lesson 20: Reason about patterns in real-world situations.

Geometry and Measurement

5.GM.D Solve problems involving measurement and conversions within a measurement system.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.GM.D.8 Convert measurements of capacity, length and weight within a given measurement system.	5 M1 Lesson 5: Convert measurements and describe relationships between metric units. 5 M1 Lesson 6: Solve multi-step word problems by using metric measurement conversion. 5 M3 Lesson 5: Convert larger customary measurement units to smaller measurement units. 5 M3 Lesson 6: Convert smaller customary measurement units to larger measurement units. 5 M4 Lesson 26: Solve a real-world problem involving metric measurements.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.GM.D.8 ***continued***	5 M4 Lesson 27: Convert metric measurements involving decimals. 5 M4 Lesson 28: Convert customary measurements involving decimals.
5.GM.D.9 Solve multi-step problems that require measurement conversions.	5 M1 Lesson 5: Convert measurements and describe relationships between metric units. 5 M1 Lesson 6: Solve multi-step word problems by using metric measurement conversion. 5 M3 Lesson 5: Convert larger customary measurement units to smaller measurement units. 5 M3 Lesson 6: Convert smaller customary measurement units to larger measurement units. 5 M4 Lesson 26: Solve a real-world problem involving metric measurements. 5 M4 Lesson 27: Convert metric measurements involving decimals. 5 M4 Lesson 28: Convert customary measurements involving decimals.

Data and Statistics

5.DS.A Represent and analyze data.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
5.DS.A.1 Create a line graph to represent a data set, and analyze the data to answer questions and solve problems.	5 M6 Lesson 18: Interpret line graphs.
5.DS.A.2 Create a line plot to represent a given or generated data set, and analyze the data to answer questions and solve problems, recognizing the outliers and generating the median.	5 M2 Topic D: Problem Solving and Line Plots with Fractional Measurements *Supplemental material is necessary to address recognizing the outliers and generating the median.*