Grade 4 | Missouri Mathematics Learning Standards (2016) Correlation to *Eureka Math²® (2027)*

Eureka Math² is a research-proven math curriculum that empowers teachers to center instructional techniques on student success. Teachers can foster more "aha!" learning moments by providing the support needed for all learners to build a more confident math mindset.

This *Eureka Math²* edition builds on a strong foundation of effective instruction. It provides teachers with guidance on delivering rigorous instruction that honors student choice and encourages confident problem-solving.

Eureka Math² carefully sequences mathematical content to maximize vertical alignment from kindergarten through high school. This kind of sequencing has proven to be essential in students' mastery of math.

Teachability

Eureka Math² 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 into the teacher materials.

Accessibility

Eureka Math² incorporates Universal Design for Learning (UDL) principles so all learners can access the mathematics and take on challenging math concepts. UDL, Differentiation, and Multilingual Learner supports are built into the instructional design and are clearly identified in the *Teach* book.

The curriculum also carries a focus on readability. By eliminating unnecessary words and using clear sentences, the *Eureka Math²* 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.

Math Confidence

Eureka Math² fosters a classroom culture of learning by encouraging student-led discourse and cognitive engagement that results in confident learners. By leveraging consistent models, routines, and progressions, teachers can remove barriers and allow all students an avenue to success. Within the digital platform, each grade includes wordless videos and digital interactives that spark students' curiosity and help them make conceptual connections. Using the *Learn* books, students wonder, explore, and make sense of mathematics, which helps them develop a strong, positive mathematical identity.

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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.

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Number Sense and Operations in Base Ten

4.NBT.A Use place value understanding and properties of operations to perform multi-digit arithmetic with numbers up to one million.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
4.NBT.A.1 Round multi-digit whole numbers to any 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.
4.NBT.A.2 Read, write and identify multi-digit whole numbers up to one million 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.
4.NBT.A.3 Compare two multi-digit numbers using the symbols $>$, $=$ or $<$, and justify the solution.	4 M1 Lesson 9: Compare numbers within $1{,}000{,}000$ by using $>$, $=$, and $<$.
4.NBT.A.4 Understand that in a multi-digit whole number, a digit represents 10 times what it would represent in the place to its right.	4 M1 Lesson 6: Demonstrate that a digit represents 10 times the value of what it represents in the place to its right.

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Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
4.NBT.A.5 Demonstrate fluency with addition and subtraction of whole numbers.	4 M1 Lesson 16: Add by using the standard algorithm. 4 M1 Lesson 17: Solve multi-step addition word problems by using the standard algorithm. 4 M1 Lesson 18: Subtract by using the standard algorithm, decomposing larger units once. 4 M1 Lesson 19: Subtract by using the standard algorithm, decomposing larger units up to 3 times. 4 M1 Lesson 20: Subtract by using the standard algorithm, decomposing larger units multiple times. 4 M1 Lesson 21: Solve two-step word problems by using addition and subtraction. 4 M1 Lesson 22: Solve multi-step word problems by using addition and subtraction.
4.NBT.A.6 Multiply a whole number of up to four digits by a one-digit whole number and multiply two two-digit numbers, and justify the solution.	4 M2 Lesson 1: Multiply multiples of 10 by one-digit numbers by using the associative property of multiplication. 4 M2 Lesson 4: Multiply by using familiar strategies. 4 M2 Lesson 5: Multiply by using place value strategies and the distributive property. 4 M2 Lesson 6: Multiply with regrouping by using place value strategies and the distributive property. 4 M2 Lesson 7: Multiply by using an area model and the distributive property. 4 M2 Lesson 8: Multiply by applying the distributive property and write equations. 4 M2 Lesson 9: Solve multiplication word problems. 4 M2 Lesson 10: Multiply by applying simplifying strategies. 4 M3 Lesson 2: Multiply by multiples of 100 and 1,000. 4 M3 Lesson 3: Multiply a two-digit multiple of 10 by a two-digit multiple of 10. 4 M3 Lesson 9: Apply place value strategies to multiply three-digit numbers by one-digit numbers. 4 M3 Lesson 10: Apply place value strategies to multiply four-digit numbers by one-digit numbers. 4 M3 Lesson 11: Represent multiplication by using partial products. 4 M3 Lesson 12: Multiply by using various recording methods in vertical form. 4 M3 Lesson 13: Multiply two-digit numbers by two-digit multiples of 10.

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Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
4.NBT.A.6 ***continued***	4 M3 Lesson 14: Apply place value strategies to multiply two-digit numbers by two-digit numbers. 4 M3 Lesson 15: Multiply with four partial products. 4 M3 Lesson 16: Multiply with two partial products. 4 M3 Lesson 17: Apply the distributive property to multiply.
4.NBT.A.7 Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, and justify the solution.	4 M2 Lesson 2: Divide two- and three-digit multiples of 10 by one-digit numbers. 4 M2 Lesson 11: Divide by using familiar strategies. 4 M2 Lesson 12: Divide two-digit numbers by one-digit numbers by using an area model. 4 M2 Lesson 13: Divide three-digit numbers by one-digit numbers by using an area model. 4 M2 Lesson 14: Divide two-digit numbers by one-digit numbers by using place value strategies. 4 M2 Lesson 15: Divide three-digit numbers by one-digit numbers by using place value strategies. 4 M2 Lesson 16: Divide by using the break apart and distribute strategy. 4 M3 Lesson 1: Divide multiples of 100 and 1,000. 4 M3 Lesson 4: Apply place value strategies to divide hundreds, tens, and ones. 4 M3 Lesson 5: Apply place value strategies to divide thousands, hundreds, tens, and ones. 4 M3 Lesson 6: Connect pictorial representations of division to long division. 4 M3 Lesson 7: Represent division by using partial quotients. 4 M3 Lesson 8: Choose and apply a method to divide multi-digit numbers. 4 M3 Lesson 21: Find whole-number quotients and remainders. 4 M3 Lesson 22: Represent, estimate, and solve division word problems.

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Number Sense and Operations in Fractions

4.NF.A Extend understanding of fraction equivalence and ordering. (Limit denominators to 2, 3, 4, 5, 6, 8, 10, 12 and 100.)

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
4.NF.A.1 Explain and/or illustrate why two fractions are equivalent.	4 M4 Lesson 8: Generate equivalent fractions with smaller units for unit fractions. 4 M4 Lesson 9: Generate equivalent fractions with smaller units for non-unit fractions. 4 M4 Lesson 10: Generate equivalent fractions with larger units. 4 M4 Lesson 11: Represent equivalent fractions by using tape diagrams, number lines, and multiplication or division. 4 M4 Lesson 12: Generate equivalent fractions for fractions greater than 1 and generate equivalent mixed numbers.
4.NF.A.2 Recognize and generate equivalent fractions.	4 M4 Lesson 8: Generate equivalent fractions with smaller units for unit fractions. 4 M4 Lesson 9: Generate equivalent fractions with smaller units for non-unit fractions. 4 M4 Lesson 10: Generate equivalent fractions with larger units. 4 M4 Lesson 11: Represent equivalent fractions by using tape diagrams, number lines, and multiplication or division. 4 M4 Lesson 12: Generate equivalent fractions for fractions greater than 1 and generate equivalent mixed numbers.
4.NF.A.3 Compare two fractions using the symbols $>$, $=$ or $<$, and justify the solution.	4 M4 Lesson 13: Compare fractions by using the benchmarks, 0, $\frac{1}{2}$, and 1. 4 M4 Lesson 14: Compare fractions with related denominators. 4 M4 Lesson 15: Compare fractions with related numerators. 4 M4 Lesson 16: Generate a common numerator or denominator to compare fractions. 4 M4 Lesson 17: Apply fraction comparison strategies to compare fractions greater than 1.

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Number Sense and Operations in Fractions

4.NF.B Extend understanding of operations on whole numbers to fraction operations.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
4.NF.B.4 Understand addition and subtraction of fractions as joining/composing and separating/decomposing parts referring to the same whole.	4 M4 Lesson 1: Decompose whole numbers into a sum of unit fractions. 4 M4 Lesson 2: Decompose fractions into a sum of unit fractions. 4 M4 Lesson 3: Decompose fractions into a sum of fractions. 4 M4 Lesson 4: Represent fractions by using various fraction models. 4 M4 Lesson 5: Rename fractions greater than 1 as mixed numbers. 4 M4 Lesson 6: Rename mixed numbers as fractions greater than 1. 4 M4 Lesson 7: Rename fractions as a sum of equivalent smaller unit fractions. 4 M4 Lesson 18: Estimate sums and differences of fractions by using benchmarks. 4 M4 Lesson 19: Add and subtract fractions with like units. 4 M4 Lesson 20: Subtract a fraction from a whole number. 4 M4 Lesson 21: Solve addition and subtraction word problems and estimate the reasonableness of the answers. 4 M4 Lesson 22: Add two fractions with related units.
4.NF.B.5 Decompose a fraction into a sum of fractions with the same denominator and record each decomposition with an equation and justification.	4 M4 Lesson 1: Decompose whole numbers into a sum of unit fractions. 4 M4 Lesson 2: Decompose fractions into a sum of unit fractions. 4 M4 Lesson 3: Decompose fractions into a sum of fractions. 4 M4 Lesson 4: Represent fractions by using various fraction models. 4 M4 Lesson 5: Rename fractions greater than 1 as mixed numbers. 4 M4 Lesson 6: Rename mixed numbers as fractions greater than 1. 4 M4 Lesson 7: Rename fractions as a sum of equivalent smaller unit fractions. 4 M4 Lesson 18: Estimate sums and differences of fractions by using benchmarks. 4 M4 Lesson 19: Add and subtract fractions with like units.

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Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
4.NF.B.5 ***continued***	4 M4 Lesson 20: Subtract a fraction from a whole number. 4 M4 Lesson 21: Solve addition and subtraction word problems and estimate the reasonableness of the answers. 4 M4 Lesson 22: Add two fractions with related units.
4.NF.B.6 Solve problems involving adding and subtracting fractions and mixed numbers with like denominators.	4 M4 Lesson 18: Estimate sums and differences of fractions by using benchmarks. 4 M4 Lesson 20: Subtract a fraction from a whole number. 4 M4 Lesson 21: Solve addition and subtraction word problems and estimate the reasonableness of the answers. 4 M4 Lesson 23: Add a fraction to a mixed number. 4 M4 Lesson 24: Add a mixed number to a mixed number. 4 M4 Lesson 25: Subtract a fraction from a mixed number, part 1. 4 M4 Lesson 26: Subtract a fraction from a mixed number, part 2. 4 M4 Lesson 27: Subtract a mixed number from a mixed number. 4 M4 Lesson 28: Represent and solve word problems with mixed numbers by using drawings and equations.
4.NF.B.7 Apply and extend previous understandings of multiplication to multiply a fraction by a whole number.	4 M4 Lesson 31: Decompose non-unit fractions into a product of a whole number and a unit fraction. 4 M4 Lesson 32: Multiply a fraction by a whole number by using the associative property. 4 M4 Lesson 33: Solve word problems involving multiplication of a fraction by a whole number. 4 M4 Lesson 34: Multiply a mixed number by a whole number by using the distributive property.
4.NF.B.8 Solve problems involving multiplication of a fraction by a whole number.	4 M4 Lesson 33: Solve word problems involving multiplication of a fraction by a whole number.

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Number Sense and Operations in Fractions

4.NF.C Understand decimal notation for fractions, and compare decimal fractions. (Denominators of 10 or 100)

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
4.NF.C.9 Use decimal notation for fractions with denominators of 10 or 100.	4 M5 Lesson 1: Organize, count, and represent a collection of money. 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 Lesson 5: Decompose 1 one and express hundredths in fraction form and decimal form. 4 M5 Lesson 6: Represent hundredths as a place value unit. 4 M5 Lesson 7: Write mixed numbers in decimal form with hundredths. 4 M5 Lesson 8: Represent decimal numbers in expanded form.
4.NF.C.10 Understand that fractions and decimals are equivalent representations of the same quantity.	4 M5 Lesson 1: Organize, count, and represent a collection of money. 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 Lesson 5: Decompose 1 one and express hundredths in fraction form and decimal form. 4 M5 Lesson 6: Represent hundredths as a place value unit. 4 M5 Lesson 7: Write mixed numbers in decimal form with hundredths. 4 M5 Lesson 8: Represent decimal numbers in expanded form.

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Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
4.NF.C.11 Read, write and identify decimals to the hundredths place using number names, base ten numerals and expanded form.	4 M5 Lesson 1: Organize, count, and represent a collection of money. 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 Lesson 5: Decompose 1 one and express hundredths in fraction form and decimal form. 4 M5 Lesson 6: Represent hundredths as a place value unit. 4 M5 Lesson 7: Write mixed numbers in decimal form with hundredths. 4 M5 Lesson 8: Represent decimal numbers in expanded form.
4.NF.C.12 Compare two decimals to the hundredths place using the symbols >, = or <, and justify the solution.	4 M5 Lesson 9: Compare measurements expressed as decimal numbers. 4 M5 Lesson 10: Use pictorial representations to compare decimal numbers. 4 M5 Lesson 11: Compare and order decimal numbers.

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Relationships and Algebraic Thinking

4.RA.A Use the four operations with whole numbers to solve problems.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
4.RA.A.1 Multiply or divide to solve problems involving a multiplicative comparison.	4 M1 Lesson 1: Interpret multiplication as multiplicative comparison. 4 M1 Lesson 2: Solve multiplicative comparison problems with unknowns in various positions. 4 M1 Lesson 3: Describe relationships between measurements by using multiplicative comparison. 4 M1 Lesson 4: Represent the composition of larger units of money by using multiplicative comparison. 4 M1 Lesson 6: Demonstrate that a digit represents 10 times the value of what it represents in the place to its right. 4 M2 Lesson 9: Solve multiplication word problems. 4 M2 Lesson 20: Solve word problems involving additive and multiplicative comparisons.
4.RA.A.2 Solve multi-step whole number problems involving the four operations and variables and using estimation to interpret the reasonableness of the answer.	4 M1 Lesson 15: Apply estimation to real-world situations by using rounding. 4 M1 Lesson 16: Add by using the standard algorithm. 4 M1 Lesson 17: Solve multi-step addition word problems by using the standard algorithm. 4 M1 Lesson 21: Solve two-step word problems by using addition and subtraction. 4 M1 Lesson 22: Solve multi-step word problems by using addition and subtraction. 4 M3 Lesson 21: Find whole-number quotients and remainders. 4 M3 Lesson 22: Represent, estimate, and solve division word problems. 4 M3 Lesson 23: Solve multi-step word problems and interpret remainders. 4 M3 Lesson 24: Solve multi-step word problems and assess the reasonableness of solutions.

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Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
4.RA.A.3 Solve whole number division problems involving variables in which remainders need to be interpreted, and justify the solution.	4 M1 Lesson 15: Apply estimation to real-world situations by using rounding. 4 M1 Lesson 16: Add by using the standard algorithm. 4 M1 Lesson 17: Solve multi-step addition word problems by using the standard algorithm. 4 M1 Lesson 21: Solve two-step word problems by using addition and subtraction. 4 M1 Lesson 22: Solve multi-step word problems by using addition and subtraction. 4 M3 Lesson 21: Find whole-number quotients and remainders. 4 M3 Lesson 22: Represent, estimate, and solve division word problems. 4 M3 Lesson 23: Solve multi-step word problems and interpret remainders. 4 M3 Lesson 24: Solve multi-step word problems and assess the reasonableness of solutions.

Relationships and Algebraic Thinking

4.RA.B Work with factors and multiples.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
4.RA.B.4 Recognize that a whole number is a multiple of each of its factors and find the multiples for a given whole number.	4 M2 Lesson 21: Find factor pairs for numbers up to 100 and use factors to identify numbers as prime or composite. 4 M2 Lesson 22: Use division and the associative property of multiplication to find factors. 4 M2 Lesson 23: Determine whether a whole number is a multiple of another number. 4 M2 Lesson 24: Recognize that a number is a multiple of each of its factors. 4 M2 Lesson 25: Explore properties of prime and composite numbers up to 100 by using multiples.

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Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
4.RA.B.5 Determine if a whole number within 100 is composite or prime, and find all factor pairs for whole numbers within 100.	4 M2 Lesson 21: Find factor pairs for numbers up to 100 and use factors to identify numbers as prime or composite. 4 M2 Lesson 22: Use division and the associative property of multiplication to find factors. 4 M2 Lesson 23: Determine whether a whole number is a multiple of another number. 4 M2 Lesson 24: Recognize that a number is a multiple of each of its factors. 4 M2 Lesson 25: Explore properties of prime and composite numbers up to 100 by using multiples. 5 M1 Lesson 21: Express a composite number to 50 as a product of its prime factors.

Relationships and Algebraic Thinking

4.RA.C Generate and analyze patterns.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
4.RA.C.6 Generate a number pattern that follows a given rule.	4 M2 Lesson 26: Use relationships within a pattern to find an unknown term in the sequence.
4.RA.C.7 Use words or mathematical symbols to express a rule for a given pattern.	4 M2 Lesson 26: Use relationships within a pattern to find an unknown term in the sequence.

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Geometry and Measurement

4.GM.A Classify 2-dimensional shapes by properties of their lines and angles.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
4.GM.A.1 Draw and identify points, lines, line segments, rays, angles, perpendicular lines and parallel lines.	4 M6 Lesson 1: Identify and draw points, lines, line segments, rays, and angles. 4 M6 Lesson 2: Identify right, acute, obtuse, and straight angles. 4 M6 Lesson 3: Draw right, acute, obtuse, and straight angles. 4 M6 Lesson 4: Identify, define, and draw perpendicular lines. 4 M6 Lesson 5: Identify, define, and draw parallel lines. 4 M6 Lesson 6: Relate geometric figures to a real-world context. 4 M6 Lesson 10: Use $180°$ protractors to measure angles. 4 M6 Lesson 11: Estimate and measure angles with a $180°$ protractor. 4 M6 Lesson 12: Use a protractor to draw angles up to $180°$. 4 M6 Lesson 18: Analyze and classify triangles based on side length, angle measures, or both. 4 M6 Lesson 19: Construct and classify triangles based on given attributes. 4 M6 Lesson 20: Sort polygons based on a given rule.
4.GM.A.2 Classify two-dimensional shapes by their sides and/or angles.	4 M6 Lesson 18: Analyze and classify triangles based on side length, angle measures, or both. 4 M6 Lesson 19: Construct and classify triangles based on given attributes. 4 M6 Lesson 20: Sort polygons based on a given rule.
4.GM.A.3 Construct lines of symmetry for a two-dimensional figure.	4 M6 Lesson 17: Recognize, identify, and draw lines of symmetry.

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Geometry and Measurement

4.GM.B Understand the concepts of angle and measure angles.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
4.GM.B.4 Identify and estimate angles and their measure.	4 M6 Lesson 7: Explore angles as fractional turns through a circle. 4 M6 Lesson 8: Use a circular protractor to recognize a $1°$ angle as a turn through $\frac{1}{360}$ of a circle. 4 M6 Lesson 9: Identify and measure angles as turns and recognize them in various contexts. 4 M6 Lesson 10: Use $180°$ protractors to measure angles. 4 M6 Lesson 11: Estimate and measure angles with a $180°$ protractor.
4.GM.B.5 Draw and measure angles in whole-number degrees using a protractor.	4 M6 Lesson 8: Use a circular protractor to recognize a $1°$ angle as a turn through $\frac{1}{360}$ of a circle. 4 M6 Lesson 10: Use $180°$ protractors to measure angles. 4 M6 Lesson 11: Estimate and measure angles with a $180°$ protractor. 4 M6 Lesson 12: Use a protractor to draw angles up to $180°$.

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Geometry and Measurement

4.GM.C Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
4.GM.C.6 Know relative sizes of measurement units within one system of units.	*This standard is fully addressed by the lessons aligned to its subsection.*
4.GM.C.6.a Convert measurements in a larger unit in terms of a smaller unit.	4 M1 Lesson 23: Express metric measurements of length in terms of smaller units. 4 M1 Lesson 24: Express metric measurements of mass and liquid volume in terms of smaller units. 4 M2 Lesson 17: Express measurements of length in terms of smaller units. 4 M3 Lesson 18: Express units of time in terms of smaller units. 4 M3 Lesson 19: Express customary measurements of weight in terms of smaller units. 4 M3 Lesson 20: Express customary measurements of liquid volume in terms of smaller units.

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Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
4.GM.C.7 Use the four operations to solve problems involving distances, intervals of time, liquid volume, weight of objects and money.	4 M2 Lesson 17: Express measurements of length in terms of smaller units. 4 M2 Lesson 20: Solve word problems involving additive and multiplicative comparisons. 4 M3 Lesson 18: Express units of time in terms of smaller units. 4 M3 Lesson 19: Express customary measurements of weight in terms of smaller units. 4 M3 Lesson 20: Express customary measurements of liquid volume in terms of smaller units. 4 M4 Lesson 18: Estimate sums and differences of fractions by using benchmarks. 4 M4 Lesson 20: Subtract a fraction from a whole number. 4 M4 Lesson 21: Solve addition and subtraction word problems and estimate the reasonableness of the answers. 4 M4 Lesson 24: Add a mixed number to a mixed number. 4 M4 Lesson 27: Subtract a mixed number from a mixed number. 4 M4 Lesson 28: Represent and solve word problems with mixed numbers by using drawings and equations. 4 M4 Lesson 33: Solve word problems involving multiplication of a fraction by a whole number.
4.GM.C.8 Apply the area and perimeter formulas for rectangles to solve problems.	4 M2 Lesson 3: Investigate and use a formula for the area of a rectangle. 4 M2 Lesson 7: Multiply by using an area model and the distributive property. 4 M2 Lesson 18: Investigate and use formulas for the perimeter of a rectangle. 4 M2 Lesson 19: Apply area and perimeter formulas to solve problems. 4 M2 Lesson 20: Solve word problems involving additive and multiplicative comparisons.

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Data and Statistics

4.DS.A Represent and analyze data.

Missouri Mathematics Learning Standards	Aligned Components of *Eureka Math²*
4.DS.A.1 Create a frequency table and/or line plot to display measurement data.	4 M4 Lesson 29: Solve problems by using data from a line plot. 4 M4 Lesson 30: Represent data on a line plot.
4.DS.A.2 Solve problems involving addition and subtraction by using information presented in a data display.	4 M4 Lesson 29: Solve problems by using data from a line plot. 4 M4 Lesson 30: Represent data on a line plot. *Supplemental material is necessary to address bar graphs and picture graphs.*
4.DS.A.3 Analyze the data in a frequency table, line plot, bar graph or picture graph.	3 Data Talk: Mama Bears 3 Data Talk: How Loud is Too Loud? 4 Data Talk: Wind Turbines Over Time 4 Data Talk: Oh, Babies! 4 Data Talk: Missed Field Goals in Basketball 4 Data Talk: Where Do People Work? 4 Data Talk: My Beating Heart 4 M4 Lesson 29: Solve problems by using data from a line plot. 4 M4 Lesson 30: Represent data on a line plot. *Supplemental material is necessary to address mode.*

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