EUREKA MATH².

Grade 1 | Wisconsin 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.

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

Operations and Algebraic Thinking

A. Represent and solve problems involving addition and subtraction.

Wisconsin Standards for Mathematics	Aligned Components of Eureka Math ²
M.1.OA.A.1	1 M2 Lesson 1: Represent result unknown problems and record as addition or subtraction
Use addition and subtraction	number sentences.
within 20 to solve word problems involving	1 M2 Topic B: Relate and Distinguish Addition and Subtraction
situations of adding to, taking from, putting together, taking apart, and	1 M2 Lesson 8: Interpret and find an unknown change.
comparing, with unknowns in all positions,	1 M2 Lesson 9: Represent and solve add to with change unknown problems.
e.g., by using objects, drawings, and	1 M2 Lesson 11: Represent and solve take from with change unknown problems.
equations with a symbol for the unknown number to represent the problem.	1 M2 Lesson 13: Represent and solve add to and take from with change unknown problems.
	1 M2 Lesson 14: Represent and solve put together/take apart with addend unknown problems.
	1 M2 Lesson 21: Represent and solve compare with difference unknown problems, part 1.
	1 M2 Lesson 22: Represent and solve compare with difference unknown problems, part 2.
	1 M3 Lesson 11: Represent and compare related situation equations, part 1.
	1 M3 Lesson 12: Represent and compare related situation equations, part 2.
	1 M3 Lesson 19: Solve take from with change unknown problems with totals in the teens.
	1 M3 Lesson 26: Pose and solve varied word problems.
	1 M4 Lesson 10: Compare to find how much longer.
	1 M4 Lesson 11: Compare to find how much shorter.
	1 M4 Lesson 12: Find the unknown longer length.
	1 M4 Lesson 13: Find the unknown shorter length.
	1 M6 Topic E: Deepening Problem Solving

Wisconsin Standards for Mathematics	Aligned Components of <i>Eureka Math</i> ²
M.1.OA.A.2	1 M3 Lesson 2: Make ten with three addends.
Solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.	 1 M3 Lesson 3: Represent and solve three-addend word problems. 1 M3 Lesson 11: Represent and compare related situation equations, part 1. 1 M3 Lesson 12: Represent and compare related situation equations, part 2. 1 M3 Lesson 26: Pose and solve varied word problems.

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Operations and Algebraic Thinking

B. Understand and apply properties of operations and the relationship between addition and subtraction.

Wisconsin Standards for Mathematics	Aligned Components of <i>Eureka Math</i> ²
M.1.OA.B.3	1 M1 Lesson 9: Count on from both parts and record part-total relationships.
Apply properties of operations as strategies to add and subtract.	1 M1 Lesson 15: Use the commutative property to count on from the larger addend.
	1 M1 Lesson 16: Use the commutative property to find larger totals.
	1 M3 Topic A: Make Easier Problems with Three Addends
	1 M3 Topic B: Make Easier Problems to Add
	1 M3 Topic C: Make Easier Addition Problems with a Linear Model
	1 M3 Lesson 26: Pose and solve varied word problems.
M.1.OA.B.4	1 M2 Lesson 17: Use related addition facts to subtract from 10.
Understand subtraction as an unknown-addend problem.	1 M2 Lesson 18: Use related addition facts to subtract.
	1 M2 Lesson 19: Determine the value of the unknown in various positions.

1 Wisconsin Standards for Mathematics Correlation to Eureka Math²

Operations and Algebraic Thinking

Wisconsin Standards for

C. Add and subtract within 20.

Mathematics	Aligned Components of <i>Eureka Math</i> ²
M.1.OA.C.5	1 M1 Topic B: Count On from a Visible Part
Use counting and subitizing strategies to explain addition and subtraction.	1 M1 Lesson 13: Count on from an addend in add to with result unknown situations.
	1 M1 Lesson 14: Count on to find the total of an addition expression.
	1 M1 Lesson 17: Add 0 and 1 to any number.
	1 M1 Lesson 23: Find the totals of doubles $+1$ facts.
	1 M1 Lesson 24: Use known facts to make easier problems.
	1 M2 Lesson 2: Subtract all or subtract 0.
	1 M2 Lesson 3: Subtract 1 or subtract 1 less than the total.
	1 M2 Lesson 4: Use fingers to subtract 4, 5, and 6 efficiently.
	1 M2 Lesson 7: Count on or count back to solve related addition and subtraction problems.
	1 M2 Lesson 16: Compare the efficiency of counting on and counting back to subtract.
M.1.OA.C.5.a	1 M1 Topic B: Count On from a Visible Part
Relate counting to addition and	1 M1 Lesson 13: Count on from an addend in add to with result unknown situations.
subtraction (e.g., by counting	1 M1 Lesson 14: Count on to find the total of an addition expression.
on 2 to add 2).	1 M1 Lesson 17: Add 0 and 1 to any number.
	1 M1 Lesson 23: Find the totals of doubles $+1$ facts.
	1 M1 Lesson 24: Use known facts to make easier problems.
	1 M2 Lesson 2: Subtract all or subtract 0.
	1 M2 Lesson 3: Subtract 1 or subtract 1 less than the total.
	1 M2 Lesson 4: Use fingers to subtract 4, 5, and 6 efficiently.
	1 M2 Lesson 7: Count on or count back to solve related addition and subtraction problems.
	1 M2 Lesson 16: Compare the efficiency of counting on and counting back to subtract.

Aligned Components of Euroka Math²

Wisconsin Standards for Mathematics	Aligned Components of <i>Eureka Math</i> ²
M.1.OA.C.5.b	1 M1 Topic B: Count On from a Visible Part
Use conceptual subitizing in unstructured arrangements with totals up to 10 and structured arrangements anchored to 5 or 10 (e.g., ten frames, double ten frames, math rack/rekenrek) with totals up to 20 to relate the compositions and decompositions to addition and subtraction.	 1 M2 Lesson 2: Subtract all or subtract 0. 1 M2 Lesson 3: Subtract 1 or subtract 1 less than the total. 1 M2 Lesson 4: Use fingers to subtract 4, 5, and 6 efficiently. Supplemental material is necessary to address this standard.
M.1.OA.C.6 Use multiple strategies to add and subtract within 20.	This standard is fully addressed by the lessons aligned to its subsections.
M.1.OA.C.6.a	1 M1 Lesson 14: Count on to find the total of an addition expression.
Flexibly and efficiently add and subtract within 10 using strategies that may include mental images and composing and decomposing up to 10.	 1 M1 Lesson 17: Add 0 and 1 to any number. 1 M1 Lesson 20: Find all two-part expressions equal to 6. 1 M1 Lesson 21: Find all two-part expressions equal to 7 and 8. 1 M1 Lesson 22: Find all two-part expressions equal to 9 and 10. 1 M1 Lesson 23: Find the totals of doubles +1 facts. 1 M1 Lesson 24: Use known facts to make easier problems. 1 M2 Lesson 2: Subtract all or subtract 0. 1 M2 Lesson 3: Subtract 1 or subtract 1 less than the total. 1 M2 Lesson 7: Count on or count back to solve related addition and subtraction problems. 1 M2 Lesson 16: Compare the efficiency of counting on and counting back to subtract.

Wisconsin Standards for

Wisconsin Standards for Mathematics

Aligned Components of Eureka Math²

M.1.OA.C.6.b

Add and subtract within 20 using objects, drawings, or equations. Use multiple strategies that may include counting on; making a ten (e.g., 8 + 6 = 8 + 2 + 4 = 10 + 4 = 14); decomposing a number leading to a ten (e.g., 13 - 4 = 13 - 3 - 1 = 10 - 1 = 9); using the relationship between addition and subtraction (e.g., knowing that 8 + 4 = 12, one knows 12 - 8 = 4); and creating equivalent but easier or known sums (e.g., adding 6 + 7 by creating the known equivalent 6 + 6 + 1 = 12 + 1 = 13).

1 M1 Lesson 14: Count on to find the total of an addition expression. 1 M1 Lesson 17: Add 0 and 1 to any number. 1 M1 Lesson 20: Find all two-part expressions equal to 6. 1 M1 Lesson 21: Find all two-part expressions equal to 7 and 8. 1 M1 Lesson 22: Find all two-part expressions equal to 9 and 10. 1 M1 Lesson 23: Find the totals of doubles +1 facts. 1 M1 Lesson 24: Use known facts to make easier problems. 1 M2 Lesson 2: Subtract all or subtract 0. 1 M2 Lesson 3: Subtract 1 or subtract 1 less than the total. 1 M2 Lesson 4: Use fingers to subtract 4, 5, and 6 efficiently. 1 M2 Lesson 7: Count on or count back to solve related addition and subtraction problems. 1 M2 Lesson 16: Compare the efficiency of counting on and counting back to subtract. 1 M3 Lesson 1: Group to make ten when there are three parts. 1 M3 Lesson 4: Use properties of addition to make three-addend expressions easier. 1 M3 Topic B: Make Easier Problems to Add 1 M3 Lesson 13: Count on to make ten within 20. 1 M3 Lesson 14: Count on to make the next ten within 100. 1 M3 Lesson 17: Add a two-digit number and a one-digit number. 1 M3 Lesson 18: Subtract a one-digit number from a two-digit number. 1 M3 Lesson 20: Use strategies to subtract from a teen number. 1 M3 Lesson 21: Take from ten to subtract from a teen number, part 1. 1 M3 Lesson 22: Take from ten to subtract from a teen number, part 2. 1 M3 Lesson 23: Subtract by counting on. 1 M3 Lesson 24: Decompose the subtrahend to count back. 1 M3 Lesson 25: Choose a strategy to make an easier problem.

Operations and Algebraic Thinking

D. Work with addition and subtraction equations.

Aligned Components of Eureka Math ²
1 M1 Lesson 18: Determine whether number sentences are true or false.
1 M1 Lesson 19: Reason about the meaning of the equal sign.
1 M1 Lesson 24: Use known facts to make easier problems.
1 M2 Lesson 20: Add or subtract to make groups equal.
1 M5 Lesson 18: Determine if number sentences involving addition and subtraction are true or false.
1 M5 Lesson 22: Decompose both addends and add like units.
1 M5 Lesson 23: Decompose an addend and add tens first.
1 M5 Lesson 24: Decompose an addend to make the next ten.
1 M5 Lesson 25: Compare equivalent expressions used to solve two-digit addition equations.

Number and Operations in Base Ten

A. Extend the counting sequence.

Wisconsin Standards for Mathematics	Aligned Components of Eureka Math ²
M.1.NBT.A.1	1 M3 Lesson 15: Count and record a collection of objects.
Count to 120, starting at any number	1 M3 Lesson 16: Identify ten as a unit.
less than 120. In this range, read and write numerals and represent a number of objects with a written numeral.	1 M5 Lesson 2: Count a collection and record the total in units of tens and ones.
	1 M5 Lesson 3: Recognize the place value of digits in a two-digit number.
	1 M5 Lesson 5: Reason about equivalent representations of a number.
	1 M6 Topic D: Count and Represent Numbers Beyond 100

Number and Operations in Base Ten

B. Understand place value.

Wisconsin Standards for Mathematics

Aligned Components of Eureka Math²

M.1.NBT.B.2	1 M1 Lesson 12: Count on from 10 to find an unknown total.
Understand that the two digits of a	1 M3 Topic D: Reason about Ten as a Unit to Add or Subtract
two-digit number represent amounts of tens and ones. Understand the	1 M4 Lesson 8: Draw to represent a length measurement.
following as special cases:	1 M4 Lesson 9: Represent a total length as units of tens and ones.
	1 M5 Lesson 2: Count a collection and record the total in units of tens and ones.
	1 M5 Lesson 3: Recognize the place value of digits in a two-digit number.
	1 M5 Lesson 4: Represent a number in multiple ways by trading 10 ones for a ten.
	1 M5 Lesson 5: Reason about equivalent representations of a number.
	1 M5 Lesson 8: Use place value reasoning to write and compare 2 two-digit numbers.
M.1.NBT.B.2.a	1 M3 Lesson 15: Count and record a collection of objects.
10 can be thought of as a bundle of ten ones–called a "ten."	1 M3 Lesson 16: Identify ten as a unit.
	1 M4 Lesson 8: Draw to represent a length measurement.
	1 M4 Lesson 9: Represent a total length as units of tens and ones.
	1 M5 Lesson 2: Count a collection and record the total in units of tens and ones.
	1 M5 Lesson 3: Recognize the place value of digits in a two-digit number.
	1 M5 Lesson 5: Reason about equivalent representations of a number.

Wisconsin Standards for Mathematics	Aligned Components of <i>Eureka Math</i> ²
M.1.NBT.B.2.b	1 M1 Lesson 12: Count on from 10 to find an unknown total.
The numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones.	1 M3 Lesson 16: Identify ten as a unit.
	1 M3 Lesson 17: Add a two-digit number and a one-digit number.
	1 M3 Lesson 18: Subtract a one-digit number from a two-digit number.
	1 M3 Lesson 19: Solve take from with change unknown problems with totals in the teens.
	1 M4 Lesson 8: Draw to represent a length measurement.
	1 M4 Lesson 9: Represent a total length as units of tens and ones.
	1 M5 Lesson 4: Represent a number in multiple ways by trading 10 ones for a ten.
	1 M5 Lesson 5: Reason about equivalent representations of a number.
M.1.NBT.B.2.c	1 M3 Lesson 17: Add a two-digit number and a one-digit number.
The numbers 10, 20, 30, 40, 50, 60, 70, 80,	1 M3 Lesson 18: Subtract a one-digit number from a two-digit number.
90 refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones).	1 M3 Lesson 19: Solve take from with change unknown problems with totals in the teens.
seven, eight, or hine tens (and 0 ones).	1 M5 Lesson 4: Represent a number in multiple ways by trading 10 ones for a ten.
	1 M5 Lesson 5: Reason about equivalent representations of a number.
M.1.NBT.B.3	1 M1 Lesson 2: Organize and represent data to compare two categories.
Compare two two-digit numbers based	1 M1 Lesson 3: Sort to represent and compare data with three categories.
on meanings of the tens and ones digits and describe the result of the comparison	1 M1 Lesson 4: Find the total number of data points and compare categories in a picture graph.
using words and symbols ($>$, =, and $<$).	1 M1 Lesson 6: Use tally marks to represent and compare data.
	1 M4 Lesson 5: Measure and compare lengths.
	1 M5 Topic B: Use Place Value to Compare

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Number and Operations in Base Ten

C. Use place value understanding and properties of operations to add and subtract.

Wisconsin Standards for Aligned Components of Eureka Math² Mathematics Aligned Components of Eureka Math²

M.1.NBT.C.4	1 M5 Topic C: Addition of One-Digit and Two-Digit Numbers
Add within 100, including adding a two-digit number and a one-digit number, and adding a two-digit number and a multiple of 10, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used. Understand that in adding two-digit numbers, one adds tens and tens, ones and ones; and sometimes it is necessary to compose a ten.	1 M5 Topic D: Addition and Subtraction of Tens 1 M5 Topic E: Addition of Two-Digit Numbers 1 M6 Topic F: Extending Addition to 100
M.1.NBT.C.5 Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used.	1 M5 Lesson 6: Add 10 or take 10 from a two-digit number.

Mathematics	Aligned Components of <i>Eureka Math</i> ²
M.1.NBT.C.6	1 M5 Lesson 15: Count on and back by tens to add and subtract.
Subtract multiples of 10 in the range 10-90 from multiples of 10 in the range 10-90 (positive or zero differences), using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.	1 M5 Lesson 16: Use related single-digit facts to add and subtract multiples of ten. 1 M5 Lesson 17: Use tens to find an unknown part. 1 M5 Lesson 18: Determine if number sentences involving addition and subtraction are true or false.

Wisconsin Standards for

Measurement and Data

A. Measure lengths indirectly and by iterating length units.

Wisconsin Standards for Mathematics	Aligned Components of <i>Eureka Math</i> ²
M.1.MD.A.1	1 M4 Topic A: Direct and Indirect Length Comparison
Order three objects by length; compare the lengths of two objects indirectly by using a third object.	1 M4 Lesson 5: Measure and compare lengths.
	1 M4 Lesson 6: Measure and order lengths.
M.1.MD.A.2	1 M4 Topic B: Length Measurement and Comparison
Express the length of an object as a whole number of length units, by laying multiple copies of a shorter object (the length unit) end to end; understand that	1 M4 Lesson 10: Compare to find how much longer.
	1 M4 Lesson 11: Compare to find how much shorter.
	1 M4 Lesson 14: Measure to find patterns.
the length measurement of an object	
is the number of same-size length units	
that span it with no gaps or overlaps.	

Measurement and Data

B. Tell and write time.

Wisconsin Standards for Mathematics	Aligned Components of <i>Eureka Math</i> ²
M.1.MD.B.3 Tell and write time in hours and half-hours using analog and digital clocks.	 1 M5 Lesson 1: Tell time to the hour and half hour by using digital and analog clocks. 1 M6 Lesson 14: Tell time to the half hour with the term <i>half past</i>. 1 M6 Lesson 15: Reason about the location of the hour hand to tell time.

Measurement and Data

C. Represent and interpret data.

Wisconsin Standards for Mathematics	Aligned Components of <i>Eureka Math</i> ²
M.1.MD.C.4	1 M1 Lesson 2: Organize and represent data to compare two categories.
Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another.	 1 M1 Lesson 3: Sort to represent and compare data with three categories. 1 M1 Lesson 4: Find the total number of data points and compare categories in a picture graph. 1 M1 Lesson 5: Organize and represent categorical data. 1 M1 Lesson 6: Use tally marks to represent and compare data. 1 M2 Lesson 23: Compare categories in a graph to figure out how many more.

Geometry

A. Reason with shapes and their attributes.

Wisconsin Standards for Mathematics	Aligned Components of Eureka Math ²
M.1.G.A.1	1 M6 Topic A: Attributes of Shapes
Distinguish between defining attributes (e.g., triangles are closed and three-sided) versus non-defining attributes (e.g., color, orientation, overall size); build and draw shapes to possess defining attributes.	
M.1.G.A.2	1 M6 Topic B: Composition of Shapes
Compose two-dimensional shapes (rectangles, squares, trapezoids, triangles, half-circles, and quarter-circles) or three-dimensional shapes (cubes, right rectangular prisms, right circular cones, and right circular cylinders) to create a composite shape, and compose new shapes from the composite shape. Student use of formal names such as "right rectangular prism" is not expected.	

Wisconsin Standards for Mathematics	Aligned Components of <i>Eureka Math</i> ²
M.1.G.A.3	1 M6 Lesson 10: Reason about equal and not equal shares.
Partition circles and rectangles into two and four equal shares, describe and count the shares using the words <i>halves</i> and <i>fourths</i> , and use the phrases <i>half of</i> and <i>fourth of the whole</i> . Describe the whole as being two of the shares, or four of the shares. Understand for these examples that decomposing into more equal shares creates smaller shares.	1 M6 Lesson 11: Name equal shares as halves or fourths. 1 M6 Lesson 12: Partition shapes into halves, fourths, and quarters. 1 M6 Lesson 13: Relate the number of equal shares to the size of the shares.

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