
Grade 1 | Pennsylvania Core Standards Mathematics (2014) Correlation to *Eureka Math*²® (2027)

*Eureka Math*² 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 Math*² 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 Math*² 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 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 into the teacher materials.

Accessibility

*Eureka Math*² 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 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.

Math Confidence

*Eureka Math*² 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.

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

Numbers and Operations

CC.2.1.1.B Numbers and Operations in Base Ten

Pennsylvania Core Standards Mathematics	Aligned Components of <i>Eureka Math</i> ²
<p>CC.2.1.1.B.1</p> <p>Extend the counting sequence to read and write numerals to represent objects.</p>	<p>1 M3 Lesson 15: Count and record a collection of objects.</p> <p>1 M3 Lesson 16: Identify ten as a unit.</p> <p>1 M5 Lesson 2: Count a collection and record the total in units of tens and ones.</p> <p>1 M5 Lesson 3: Recognize the place value of digits in a two-digit number.</p> <p>1 M5 Lesson 5: Reason about equivalent representations of a number.</p> <p>1 M6 Lesson 16: Count and record totals for collections greater than 100.</p> <p>1 M6 Lesson 17: Read, write, and represent numbers greater than 100.</p> <p>1 M6 Lesson 18: Count up and down across 100.</p> <p>1 M6 Lesson 19: Write totals for collections larger than 100 shown in various groups of tens and ones.</p>
<p>CC.2.1.1.B.2</p> <p>Use place-value concepts to represent amounts of tens and ones and to compare two-digit numbers.</p>	<p>1 M1 Lesson 2: Organize and represent data to compare two categories.</p> <p>1 M1 Lesson 3: Sort to represent and compare data with three categories.</p> <p>1 M1 Lesson 4: Find the total number of data points and compare categories in a picture graph.</p> <p>1 M1 Lesson 6: Use tally marks to represent and compare data.</p> <p>1 M1 Lesson 12: Count on from 10 to find an unknown total.</p> <p>1 M3 Lesson 15: Count and record a collection of objects.</p> <p>1 M3 Lesson 16: Identify ten as a unit.</p> <p>1 M3 Lesson 17: Add a two-digit number and a one-digit number.</p> <p>1 M3 Lesson 18: Subtract a one-digit number from a two-digit number.</p> <p>1 M3 Lesson 19: Solve <i>take from with change unknown</i> problems with totals in the teens.</p> <p>1 M4 Lesson 5: Measure and compare lengths.</p> <p>1 M4 Lesson 8: Draw to represent a length measurement.</p>

**Pennsylvania Core Standards
Mathematics**

Aligned Components of *Eureka Math*²

<p>CC.2.1.1.B.2 <i>continued</i></p>	<p>1 M4 Lesson 9: Represent a total length as units of tens and ones.</p> <p>1 M5 Lesson 2: Count a collection and record the total in units of tens and ones.</p> <p>1 M5 Lesson 3: Recognize the place value of digits in a two-digit number.</p> <p>1 M5 Lesson 4: Represent a number in multiple ways by trading 10 ones for a ten.</p> <p>1 M5 Lesson 5: Reason about equivalent representations of a number.</p> <p>1 M5 Lesson 7: Use place value reasoning to compare two quantities.</p> <p>1 M5 Lesson 8: Use place value reasoning to write and compare 2 two-digit numbers.</p> <p>1 M5 Lesson 9: Compare two quantities and make them equal.</p>
<p>CC.2.1.1.B.3</p> <p>Use place-value concepts and properties of operations to add and subtract within 100.</p>	<p>1 M5 Lesson 10: Add the ones first.</p> <p>1 M5 Lesson 11: Add the ones to make the next ten.</p> <p>1 M5 Lesson 12: Decompose an addend to make the next ten.</p> <p>1 M5 Lesson 13: Reason about related problems that make the next ten.</p> <p>1 M5 Lesson 14: Determine which equations make the next ten.</p> <p>1 M5 Lesson 15: Count on and back by tens to add and subtract.</p> <p>1 M5 Lesson 16: Use related single-digit facts to add and subtract multiples of ten.</p> <p>1 M5 Lesson 17: Use tens to find an unknown part.</p> <p>1 M5 Lesson 18: Determine if number sentences involving addition and subtraction are true or false.</p> <p>1 M5 Lesson 19: Add tens to a two-digit number.</p> <p>1 M5 Lesson 20: Add ones and multiples of ten to any number.</p> <p>1 M5 Lesson 21: Use varied strategies to add 2 two-digit addends.</p> <p>1 M5 Lesson 22: Decompose both addends and add like units.</p> <p>1 M5 Lesson 23: Decompose an addend and add tens first.</p> <p>1 M5 Lesson 24: Decompose an addend to make the next ten.</p>

**Pennsylvania Core Standards
Mathematics**

Aligned Components of *Eureka Math*²

CC.2.1.1.B.3 <i>continued</i>	1 M5 Lesson 25: Compare equivalent expressions used to solve two-digit addition equations. 1 M6 Lesson 26: Make a total in more than one way. 1 M6 Lesson 27: Add two-digit numbers in various ways, part 1. 1 M6 Lesson 28: Add two-digit numbers in various ways, part 2. 1 M6 Lesson 29: Add tens to make 100. 1 M6 Lesson 30: Make the next ten and add tens to make 100. 1 M6 Lesson 31: Add to make 100.

Algebraic Concepts

CC.2.2.1.A Operations and Algebraic Thinking

Pennsylvania Core Standards Mathematics	Aligned Components of <i>Eureka Math</i> ²
<p>CC.2.2.1.A.1</p> <p>Represent and solve problems involving addition and subtraction within 20.</p>	<p>1 M2 Lesson 1: Represent <i>result unknown</i> problems and record as addition or subtraction number sentences.</p> <p>1 M2 Lesson 5: Use the Read-Draw-Write process to solve <i>result unknown</i> problems.</p> <p>1 M2 Lesson 6: Represent and solve related addition and subtraction <i>result unknown</i> problems.</p> <p>1 M2 Lesson 7: Count on or count back to solve related addition and subtraction problems.</p> <p>1 M2 Lesson 8: Interpret and find an unknown change.</p> <p>1 M2 Lesson 9: Represent and solve <i>add to with change unknown</i> problems.</p> <p>1 M2 Lesson 11: Represent and solve <i>take from with change unknown</i> problems.</p> <p>1 M2 Lesson 13: Represent and solve <i>add to</i> and <i>take from with change unknown</i> problems.</p> <p>1 M2 Lesson 14: Represent and solve <i>put together/take apart with addend unknown</i> problems.</p> <p>1 M2 Lesson 21: Represent and solve <i>compare with difference unknown</i> problems, part 1.</p> <p>1 M2 Lesson 22: Represent and solve <i>compare with difference unknown</i> problems, part 2.</p> <p>1 M3 Lesson 2: Make ten with three addends.</p> <p>1 M3 Lesson 3: Represent and solve three-addend word problems.</p> <p>1 M3 Lesson 11: Represent and compare related situation equations, part 1.</p> <p>1 M3 Lesson 12: Represent and compare related situation equations, part 2.</p> <p>1 M3 Lesson 19: Solve <i>take from with change unknown</i> problems with totals in the teens.</p> <p>1 M3 Lesson 26: Pose and solve varied word problems.</p> <p>1 M4 Lesson 10: Compare to find how much longer.</p> <p>1 M4 Lesson 11: Compare to find how much shorter.</p> <p>1 M4 Lesson 12: Find the unknown longer length.</p> <p>1 M4 Lesson 13: Find the unknown shorter length.</p>

**Pennsylvania Core Standards
Mathematics**

Aligned Components of *Eureka Math*²

<p>CC.2.2.1.A.1 <i>continued</i></p>	<p>1 M6 Lesson 20: Represent and solve <i>put together</i> and <i>take apart</i> word problems.</p> <p>1 M6 Lesson 21: Represent and solve <i>add to</i> and <i>take from</i> word problems.</p> <p>1 M6 Lesson 22: Represent and solve <i>add to</i> and <i>take from with start unknown</i> word problems.</p> <p>1 M6 Lesson 23: Represent and solve comparison word problems.</p> <p>1 M6 Lesson 24: Reason with nonstandard measurement units.</p> <p>1 M6 Lesson 25: Solve nonroutine problems.</p>
<p>CC.2.2.1.A.2</p> <p>Understand and apply properties of operations and the relationship between addition and subtraction.</p>	<p>1 M1 Lesson 9: Count on from both parts and record part–total relationships.</p> <p>1 M1 Lesson 15: Use the commutative property to count on from the larger addend.</p> <p>1 M1 Lesson 16: Use the commutative property to find larger totals.</p> <p>1 M2 Lesson 17: Use related addition facts to subtract from 10.</p> <p>1 M2 Lesson 18: Use related addition facts to subtract.</p> <p>1 M2 Lesson 19: Determine the value of the unknown in various positions.</p> <p>1 M3 Lesson 1: Group to make ten when there are three parts.</p> <p>1 M3 Lesson 2: Make ten with three addends.</p> <p>1 M3 Lesson 3: Represent and solve three-addend word problems.</p> <p>1 M3 Lesson 4: Use properties of addition to make three-addend expressions easier.</p> <p>1 M3 Lesson 5: Make ten when an addend is 5.</p> <p>1 M3 Lesson 6: Make ten when the first addend is 9.</p> <p>1 M3 Lesson 7: Make ten when the first addend is 8 or 9.</p> <p>1 M3 Lesson 8: Make ten when the second addend is 8 or 9.</p> <p>1 M3 Lesson 9: Make ten with either addend.</p> <p>1 M3 Lesson 10: Make ten when there are three addends.</p> <p>1 M3 Lesson 11: Represent and compare related situation equations, part 1.</p>

**Pennsylvania Core Standards
Mathematics**

Aligned Components of *Eureka Math*²

<p>CC.2.2.1.A.2 <i>continued</i></p>	<p>1 M3 Lesson 12: Represent and compare related situation equations, part 2.</p> <p>1 M3 Lesson 13: Count on to make ten within 20.</p> <p>1 M3 Lesson 14: Count on to make the next ten within 100.</p> <p>1 M3 Lesson 26: Pose and solve varied word problems.</p>
---------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Geometry

CC.2.3.1.A Geometry

**Pennsylvania Core Standards
Mathematics**

Aligned Components of *Eureka Math*²

<p>CC.2.3.1.A.1</p> <p>Compose and distinguish between two- and three-dimensional shapes based on their attributes.</p>	<p>1 M6 Lesson 1: Name two-dimensional shapes based on the number of sides.</p> <p>1 M6 Lesson 2: Sort and name two-dimensional shapes based on attributes.</p> <p>1 M6 Lesson 3: Draw two-dimensional shapes and identify defining attributes.</p> <p>1 M6 Lesson 4: Name solid shapes and describe their attributes.</p> <p>1 M6 Lesson 5: Reason about the functionality of three-dimensional shapes based on their attributes.</p>
<p>CC.2.3.1.A.2</p> <p>Use the understanding of fractions to partition shapes into halves and quarters.</p>	<p>1 M6 Lesson 10: Reason about equal and not equal shares.</p> <p>1 M6 Lesson 11: Name equal shares as halves or fourths.</p> <p>1 M6 Lesson 12: Partition shapes into halves, fourths, and quarters.</p> <p>1 M6 Lesson 13: Relate the number of equal shares to the size of the shares.</p>

Measurement, Data, and Probability

CC.2.4.1.A Measurement and Data

<p>Pennsylvania Core Standards Mathematics</p>	<p>Aligned Components of <i>Eureka Math</i>²</p>
<p>CC.2.4.1.A.1 Order lengths and measure them both indirectly and by repeating length units.</p>	<p>1 M4 Lesson 1: Compare and order objects by length. 1 M4 Lesson 2: Reason to order and compare heights. 1 M4 Lesson 3: Compare the lengths of two objects indirectly by using a third object. 1 M4 Lesson 4: Measure accurately with centimeter cubes. 1 M4 Lesson 5: Measure and compare lengths. 1 M4 Lesson 6: Measure and order lengths. 1 M4 Lesson 7: Use 10-centimeter sticks and centimeter cubes to measure. 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 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.</p>
<p>CC.2.4.1.A.2 Tell and write time to the nearest half hour using both analog and digital clocks.</p>	<p>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.</p>
<p>CC.2.4.1.A.4 Represent and interpret data using tables/charts.</p>	<p>1 M1 Lesson 2: Organize and represent data to compare two categories. 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.</p>