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## Grade 1 | New York Next Generation Mathematics Learning Standards Correlation to *Eureka Math*<sup>®</sup>

### About *Eureka Math*

Created by Great Minds<sup>®</sup>, a mission-driven Public Benefit Corporation, *Eureka Math*<sup>®</sup> helps teachers deliver unparalleled math instruction that provides students with a deep understanding and fluency in math. Crafted by teachers and math scholars, the curriculum carefully sequences the mathematical progressions to maximize coherence from Prekindergarten through Precalculus—a principle tested and proven to be essential in students’ mastery of math.

Teachers and students using *Eureka Math* find the trademark “Aha!” moments in *Eureka Math* to be a source of joy and inspiration, lesson after lesson, year after year.

### Aligned

Great Minds offers detailed analyses that demonstrate how each grade of *Eureka Math* aligns with specific state standards. Access these free alignment studies at [greatminds.org/state-studies](https://greatminds.org/state-studies).

### Data

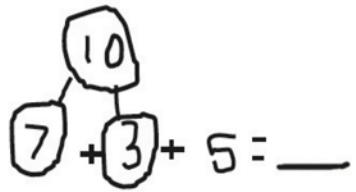
Schools and districts nationwide are experiencing student growth and impressive test scores after using *Eureka Math*. See their stories and data at [greatminds.org/data](https://greatminds.org/data).

### Full Suite of Resources

Great Minds offers the *Eureka Math* curriculum as PDF downloads for free, noncommercial use. Access the free PDFs at [greatminds.org/math/curriculum](https://greatminds.org/math/curriculum).

The teacher-writers who created the curriculum have also developed essential resources, available only from Great Minds, including the following:

- Printed material in English and Spanish
- Digital resources
- Professional development
- Classroom tools and manipulatives
- Teacher support materials
- Parent resources

Standards for Mathematical Practice	Aligned Components of <i>Eureka Math</i>
<p><b>MP.1</b> Make sense of problems and persevere in solving them.</p>	<p>Lessons in every module engage students in mathematical practices. These are designated in the Module Overview and labeled in lessons.</p> <p>For example:</p>
<p><b>MP.2</b> Reason abstractly and quantitatively.</p>	<p>A STORY OF UNITS <span style="float: right;">Lesson 2 1•2</span></p>
<p><b>MP.3</b> Construct viable arguments and critique the reasoning of others.</p>	<p>T: So, even though they added two different numbers together first, did they get the same total? S: Yes! T: Wow! Okay. Let's try this again. Let's use Bob's strategy of making ten from two of our addends. (Write <math>7 + 5 + 3 = \underline{\quad}</math>.) Write the equation. Draw to show the three amounts. S: (Draw to show the three quantities.) T: What two numbers make ten? S: 7 and 3. T: Good. Show that 7 and 3 make ten in your drawing by circling like we did yesterday with the string.</p>
<p><b>MP.4</b> Model with mathematics.</p>	<p>S: (Circle the 3 and the 7, making a group of 10.)</p>
<p><b>MP.5</b> Use appropriate tools strategically.</p>	<p><b>MP.7</b> T: Here is a new number sentence that shows what numbers you added first. (Write <math>7 + 3 + 5 = \underline{\quad}</math>.) T: I'll make a number bond to show how you made ten from two numbers. (Bond the 7 and 3 to make ten.) T: You just showed 10 and 5 more, which equals...? S: 15. T: Good. I'll show how we solved for the unknown. I'll write the new number sentence explaining what we just did, starting with 10.</p>
<p><b>MP.6</b> Attend to precision.</p>	<p>S: (Solve <math>7 + 3 + 5 = \underline{\quad}</math> while the teacher writes <math>10 + 5 = 15</math>.)</p>
<p><b>MP.7</b> Look for and make use of structure.</p>	<p>T: Jo showed us at the beginning of the lesson that she could solve from left to right, without moving the addends around, in order to get the same answer as Bob. Work and talk with your partner to see if this is true again!</p>
<p><b>MP.8</b> Look for and express regularity in repeated reasoning.</p>	<p>Repeat this process using the following suggested sequence: <math>9 + 2 + 1</math>, <math>2 + 4 + 8</math> (highlighting that students might begin with the 8 rather than the 2), <math>4 + 3 + 6</math>, and <math>3 + 8 + 7</math>. Students complete the number sentence while the teacher completes the drawing for the third example.</p> 

**NOTES ON MULTIPLE MEANS OF ENGAGEMENT:**  
Addends should be chosen so that students can easily identify the partners to ten, recognizing that they can add these two addends first, regardless of where they are positioned within the number sentence. If students are not fluent with 7 and 3, they may be replaced with 9 and 1, respectively.

## Operations and Algebraic Thinking

Represent and solve problems involving addition and subtraction.

### New York Next Generation Mathematics Learning Standards

### Aligned Components of *Eureka Math*

#### **NY-1.OA.1**

Use addition and subtraction within 20 to solve one step word problems involving situations of adding to, taking from, putting together, taking apart, and/or comparing, with unknowns in all positions.

G1 M1 Topic B: Counting On from Embedded Numbers

G1 M1 Topic C: Addition Word Problems

G1 M1 Lesson 25: Solve add to with change unknown math stories with addition, and relate to subtraction. Model with materials, and write corresponding number sentences.

G1 M1 Topic H: Subtraction Word Problems

G1 M2 Lesson 1: Solve word problems with three addends, two of which make ten.

G1 M2 Lesson 3: Make ten when one addend is 9.

G1 M2 Lesson 4: Make ten when one addend is 9.

G1 M2 Lesson 7: Make ten when one addend is 8.

G1 M2 Lesson 8: Make ten when one addend is 8.

G1 M2 Lesson 11: Share and critique peer solution strategies for put together with total unknown word problems.

G1 M2 Lesson 12: Solve word problems with subtraction of 9 from 10.

G1 M2 Lesson 13: Solve word problems with subtraction of 9 from 10.

G1 M2 Lesson 21: Share and critique peer solution strategies for take from with result unknown and take apart with addend unknown word problems from the teens.

G1 M2 Lesson 22: Solve put together/take apart with addend unknown word problems, and relate counting on to the take from ten strategy.

G1 M2 Lesson 23: Solve add to with change unknown problems, relating varied addition and subtraction strategies.

G1 M2 Lesson 24: Strategize to solve take from with change unknown problems.

G1 M2 Lesson 27: Solve addition and subtraction problems decomposing and composing teen numbers as 1 ten and some ones.

G1 M2 Lesson 28: Solve addition problems using ten as a unit, and write two-step solutions.

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<p><b>NY-1.OA.1 <i>continued</i></b></p>	<p>G1 M2 Lesson 29: Solve subtraction problems using ten as a unit, and write two-step solutions.</p> <p>G1 M3 Lesson 9: Answer compare with difference unknown problems about lengths of two different objects measured in centimeters.</p> <p>G1 M3 Lesson 12: Ask and answer varied word problem types about a data set with three categories.</p> <p>G1 M3 Lesson 13: Ask and answer varied word problem types about a data set with three categories.</p> <p>G1 M4 Topic E: Varied Problem Types Within 20</p> <p>G1 M6 Topic A: Comparison Word Problems</p> <p>G1 M6 Topic F: Varied Problem Types Within 20</p>
<p><b>NY-1.OA.2</b></p> <p>Solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20.</p>	<p>G1 M2 Lesson 1: Solve word problems with three addends, two of which make ten.</p> <p>G1 M2 Lesson 2: Use the associative and commutative properties to make ten with three addends.</p>

**Operations and Algebraic Thinking**

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

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<p><b>NY-1.OA.3</b></p> <p>Apply properties of operations as strategies to add and subtract.</p>	<p>G1 M1 Lesson 19: Represent the same story scenario with addends repositioned (the commutative property).</p> <p>G1 M1 Lesson 20: Apply the commutative property to count on from a larger addend.</p> <p>G1 M1 Lesson 22: Look for and make use of repeated reasoning on the addition chart by solving and analyzing problems with common addends.</p> <p>G1 M1 Lesson 24: Practice to build fluency with facts to 10.</p> <p>G1 M2 Topic A: Counting On or Making Ten to Solve Result Unknown and Total Unknown Problems</p>
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<p><b>NY-1.OA.3 <i>continued</i></b></p>	<p>G1 M2 Lesson 12: Solve word problems with subtraction of 9 from 10.                      G1 M2 Lesson 13: Solve word problems with subtraction of 9 from 10.                      G1 M2 Lesson 14: Model subtraction of 9 from teen numbers.                      G1 M2 Lesson 15: Model subtraction of 9 from teen numbers.                      G1 M2 Lesson 16: Relate counting on to making ten and taking from ten.                      G1 M2 Lesson 17: Model subtraction of 8 from teen numbers.                      G1 M2 Lesson 18: Model subtraction of 8 from teen numbers.                      G1 M2 Lesson 19: Compare efficiency of counting on and taking from ten.                      G1 M4 Topic D: Addition of Tens or Ones to a Two-Digit Number</p>
<p><b>NY-1.OA.4</b>                      Understand subtraction as an unknown-addend problem within 20.</p>	<p>G1 M1 Topic G: Subtraction as an Unknown Addend Problem                      G1 M1 Lesson 29: Solve take apart with addend unknown math stories with math drawings, equations, and statements, circling the known part to find the unknown.                      G1 M1 Lesson 30: Solve add to with change unknown math stories with drawings, relating addition and subtraction.                      G1 M1 Lesson 31: Solve take from with change unknown math stories with drawings.                      G1 M1 Lesson 32: Solve put together/take apart with addend unknown math stories.                      G1 M2 Lesson 16: Relate counting on to making ten and taking from ten.                      G1 M2 Lesson 19: Compare efficiency of counting on and taking from ten.                      G1 M2 Lesson 21: Share and critique peer solution strategies for take from with result unknown and take apart with addend unknown word problems from the teens.                      G1 M2 Lesson 22: Solve put together/take apart with addend unknown word problems, and relate counting on to the take from ten strategy.                      G1 M2 Lesson 23: Solve add to with change unknown problems, relating varied addition and subtraction strategies.                      G1 M2 Lesson 24: Strategize to solve take from with change unknown problems.</p>

## Operations and Algebraic Thinking

### Add and subtract within 20.

New York Next Generation Mathematics Learning Standards	Aligned Components of <i>Eureka Math</i>
<p><b>NY-1.OA.5</b></p> <p>Relate counting to addition and subtraction.</p>	<p>G1 M1 Lesson 3: See and describe numbers of objects using 1 more within 5-group configurations.</p> <p>G1 M1 Topic B: Counting On from Embedded Numbers</p> <p>G1 M1 Topic D: Strategies for Counting On</p> <p>G1 M1 Topic G: Subtraction as an Unknown Addend Problem</p> <p>G1 M1 Lesson 33: Model 0 less and 1 less pictorially and as subtraction number sentences.</p>
<p><b>NY-1.OA.6a</b></p> <p>Add and subtract within 20. Use strategies such as: (i) counting on; (ii) making ten; (iii) decomposing a number leading to a ten; (iv) using the relationship between addition and subtraction; and (v) creating equivalent but easier or known sums.</p>	<p>G1 M1 Topic A: Embedded Numbers and Decompositions</p> <p>G1 M1 Topic B: Counting On from Embedded Numbers</p> <p>G1 M1 Topic C: Addition Word Problems</p> <p>G1 M1 Topic D: Strategies for Counting On</p> <p>G1 M1 Topic F: Development of Addition Fluency Within 10</p> <p>G1 M1 Topic G: Subtraction as an Unknown Addend Problem</p> <p>G1 M1 Topic I: Decomposition Strategies for Subtraction</p> <p>G1 M1 Topic J: Development of Subtraction Fluency Within 10</p> <p>G1 M2 Lesson 2: Use the associative and commutative properties to make ten with three addends.</p> <p>G1 M2 Lesson 3: Make ten when one addend is 9.</p> <p>G1 M2 Lesson 4: Make ten when one addend is 9.</p> <p>G1 M2 Lesson 5: Compare efficiency of counting on and making ten when one addend is 9.</p> <p>G1 M2 Lesson 6: Use the commutative property to make ten.</p> <p>G1 M2 Lesson 7: Make ten when one addend is 8.</p> <p>G1 M2 Lesson 8: Make ten when one addend is 8.</p> <p>G1 M2 Lesson 9: Compare efficiency of counting on and making ten when one addend is 8.</p>

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<p><b>NY-1.OA.6a</b> <i>continued</i></p>	<p>G1 M2 Lesson 10: Solve problems with addends of 7, 8, and 9.</p> <p>G1 M2 Lesson 11: Share and critique peer solution strategies for put together with total unknown word problems.</p> <p>G1 M2 Topic B: Counting On or Taking from Ten to Solve Result Unknown and Total Unknown Problems</p> <p>G1 M2 Lesson 25: Strategize and apply understanding of the equal sign to solve equivalent expressions.</p> <p>G1 M2 Lesson 28: Solve addition problems using ten as a unit, and write two-step solutions.</p> <p>G1 M2 Lesson 29: Solve subtraction problems using ten as a unit, and write two-step solutions.</p> <p>G1 M6 Topic G: Culminating Experiences</p>
<p><b>NY-1.OA.6b</b></p> <p>Fluently add and subtract within 10.</p>	<p>G1 M1 Topic A: Embedded Numbers and Decompositions</p> <p>G1 M1 Topic B: Counting On from Embedded Numbers</p> <p>G1 M1 Topic C: Addition Word Problems</p> <p>G1 M1 Topic D: Strategies for Counting On</p> <p>G1 M1 Topic F: Development of Addition Fluency Within 10</p> <p>G1 M1 Topic G: Subtraction as an Unknown Addend Problem</p> <p>G1 M1 Topic I: Decomposition Strategies for Subtraction</p> <p>G1 M1 Topic J: Development of Subtraction Fluency Within 10</p> <p>G1 M2 Lesson 2: Use the associative and commutative properties to make ten with three addends.</p> <p>G1 M2 Lesson 3: Make ten when one addend is 9.</p> <p>G1 M2 Lesson 4: Make ten when one addend is 9.</p> <p>G1 M2 Lesson 5: Compare efficiency of counting on and making ten when one addend is 9.</p> <p>G1 M2 Lesson 6: Use the commutative property to make ten.</p> <p>G1 M2 Lesson 7: Make ten when one addend is 8.</p>

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<p><b>NY-1.OA.6b</b> <i>continued</i></p>	<p>G1 M2 Lesson 8: Make ten when one addend is 8.</p> <p>G1 M2 Lesson 9: Compare efficiency of counting on and making ten when one addend is 8.</p> <p>G1 M2 Lesson 10: Solve problems with addends of 7, 8, and 9.</p> <p>G1 M2 Lesson 11: Share and critique peer solution strategies for put together with total unknown word problems.</p> <p>G1 M2 Topic B: Counting On or Taking from Ten to Solve Result Unknown and Total Unknown Problems</p> <p>G1 M2 Lesson 25: Strategize and apply understanding of the equal sign to solve equivalent expressions.</p> <p>G1 M2 Lesson 28: Solve addition problems using ten as a unit, and write two-step solutions.</p> <p>G1 M2 Lesson 29: Solve subtraction problems using ten as a unit, and write two-step solutions.</p> <p>G1 M6 Topic G: Culminating Experiences</p>
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**Operations and Algebraic Thinking**

**Work with addition and subtraction equations.**

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<p><b>NY-1.OA.7</b></p> <p>Understand the meaning of the equal sign, and determine if equations involving addition and subtraction are true or false.</p>	<p>G1 M1 Lesson 17: Understand the meaning of the equal sign by pairing equivalent expressions and constructing true number sentences.</p> <p>G1 M1 Lesson 18: Understand the meaning of the equal sign by pairing equivalent expressions and constructing true number sentences.</p> <p>G1 M2 Lesson 25: Strategize and apply understanding of the equal sign to solve equivalent expressions.</p>
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**NY-1.OA.8**

Determine the unknown whole number in an addition or subtraction equation with the unknown in all positions.

G1 M1 Lesson 11: Solve add to with change unknown math stories as a context for counting on by drawing, writing equations, and making statements of the solution.

G1 M1 Lesson 12: Solve add to with change unknown math stories using 5-group cards.

G1 M1 Lesson 13: Tell put together with result unknown, add to with result unknown, and add to with change unknown stories from equations.

G1 M1 Lesson 16: Count on to find the unknown part in missing addend equations such as  $6 + \underline{\quad} = 9$ . Answer, “How many more to make 6, 7, 8, 9, and 10?”

G1 M1 Lesson 30: Solve add to with change unknown math stories with drawings, relating addition and subtraction.

G1 M1 Lesson 31: Solve take from with change unknown math stories with drawings.

G1 M1 Lesson 32: Solve put together/take apart with addend unknown math stories.

G1 M4 Topic E: Varied Problem Types Within 20

**Number and Operations in Base Ten**

**Extend the counting sequence.**

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**Aligned Components of *Eureka Math***

**NY-1.NBT.1**

Count to 120, starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral.

G1 M4 Lesson 1: Compare the efficiency of counting by ones and counting by tens.

G1 M6 Lesson 7: Count and write numbers to 120. Use Hide Zero cards to relate numbers 0 to 20 to 100 to 120.

G1 M6 Lesson 8: Count to 120 in unit form using only tens and ones. Represent numbers to 120 as tens and ones on the place value chart.

G1 M6 Lesson 9: Represent up to 120 objects with a written numeral.

## Number and Operations in Base Ten

### Understand place value.

New York Next Generation Mathematics Learning Standards	Aligned Components of <i>Eureka Math</i>
<p><b>NY-1.NBT.2</b></p> <p>Understand that the two digits of a two-digit number represent amounts of tens and ones.</p>	<p>G1 M2 Topic D: Varied Problems with Decompositions of Teen Numbers as 1 Ten and Some Ones</p> <p>G1 M4 Topic A: Tens and Ones</p> <p>G1 M4 Lesson 23: Interpret two-digit numbers as tens and ones, including cases with more than 9 ones.</p> <p>G1 M6 Lesson 3: Use the place value chart to record and name tens and ones within a two-digit number up to 100.</p> <p>G1 M6 Lesson 4: Write and interpret two-digit numbers to 100 as addition sentences that combine tens and ones.</p> <p>G1 M6 Lesson 24: Use dimes and pennies as representations of numbers to 120.</p>
<p><b>NY-1.NBT.2.a</b></p> <p>Understand 10 can be thought of as a bundle of ten ones, called a “ten.”</p>	<p>G1 M2 Topic D: Varied Problems with Decompositions of Teen Numbers as 1 Ten and Some Ones</p> <p>G1 M6 Lesson 3: Use the place value chart to record and name tens and ones within a two-digit number up to 100.</p> <p>G1 M6 Lesson 4: Write and interpret two-digit numbers to 100 as addition sentences that combine tens and ones.</p>
<p><b>NY-1.NBT.2.b</b></p> <p>Understand the numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones.</p>	<p>G1 M2 Topic D: Varied Problems with Decompositions of Teen Numbers as 1 Ten and Some Ones</p>

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<p><b>NY-1.NBT.2.c</b></p> <p>Understand the numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones).</p>	<p>G1 M6 Lesson 3: Use the place value chart to record and name tens and ones within a two-digit number up to 100.</p> <p>G1 M6 Lesson 4: Write and interpret two-digit numbers to 100 as addition sentences that combine tens and ones.</p> <p>G1 M6 Lesson 24: Use dimes and pennies as representations of numbers to 120.</p>
<p><b>NY-1.NBT.3</b></p> <p>Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols <math>&gt;</math>, <math>=</math>, and <math>&lt;</math>.</p>	<p>G1 M4 Topic B: Comparison of Pairs of Two-Digit Numbers</p> <p>G1 M6 Lesson 6: Use the symbols <math>&gt;</math>, <math>=</math>, and <math>&lt;</math> to compare quantities and numerals to 100.</p>

## Number and Operations in Base Ten

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

New York Next Generation Mathematics Learning Standards	Aligned Components of <i>Eureka Math</i>
<p><b>NY-1.NBT.4</b></p> <p>Add within 100, including a two-digit number and a one-digit number, a two-digit number and a multiple of 10. Use concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction. Understand that in adding two-digit numbers, one adds tens and tens, ones and ones, and sometimes it is necessary to compose a ten. Relate the strategy to a written representation and explain the reasoning used.</p>	<p>G1 M4 Lesson 12: Add tens to a two-digit number.</p> <p>G1 M4 Topic D: Addition of Tens or Ones to a Two-Digit Number</p> <p>G1 M4 Lesson 24: Add a pair of two-digit numbers when the ones digits have a sum less than or equal to 10.</p> <p>G1 M4 Lesson 25: Add a pair of two-digit numbers when the ones digits have a sum less than or equal to 10.</p> <p>G1 M4 Lesson 26: Add a pair of two-digit numbers when the ones digits have a sum greater than 10.</p> <p>G1 M4 Lesson 27: Add a pair of two-digit numbers when the ones digits have a sum greater than 10.</p> <p>G1 M4 Lesson 28: Add a pair of two-digit numbers with varied sums in the ones.</p> <p>G1 M4 Lesson 29: Add a pair of two-digit numbers with varied sums in the ones.</p> <p>G1 M6 Topic C: Addition to 100 Using Place Value Understanding</p> <p>G1 M6 Topic D: Varied Place Value Strategies for Addition to 100</p>
<p><b>NY-1.NBT.5</b></p> <p>Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used.</p>	<p>G1 M4 Lesson 5: Identify 10 more, 10 less, 1 more, and 1 less than a two-digit number.</p> <p>G1 M4 Lesson 6: Use dimes and pennies as representations of tens and ones.</p> <p>G1 M6 Lesson 5: Identify 10 more, 10 less, 1 more, and 1 less than a two-digit number within 100.</p>

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<p><b>NY-1.NBT.6</b></p> <p>Subtract multiples of 10 from multiples of 10 in the range 10–90 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 used to a written representation and explain the reasoning.</p>	<p>G1 M4 Lesson 11: Add and subtract tens from a multiple of 10.</p> <p>G1 M6 Lesson 10: Add and subtract multiples of 10 from multiples of 10 to 100, including dimes.</p>
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**Measurement and Data**

**Measure lengths indirectly and by iterating length units.**

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<p><b>NY-1.MD.1</b></p> <p>Order three objects by length; compare the lengths of two objects indirectly by using a third object.</p>	<p>G1 M3 Topic A: Indirect Comparison in Length Measurement</p> <p>G1 M3 Lesson 6: Order, measure, and compare the length of objects before and after measuring with centimeter cubes, solving compare with difference unknown word problems.</p>
<p><b>NY-1.MD.2</b></p> <p>Measure the length of an object using same-size “length units” placed end to end with no gaps or overlaps. Express the length of an object as a whole number of “length units.”</p>	<p>G1 M3 Lesson 4: Express the length of an object using centimeter cubes as length units to measure with no gaps or overlaps.</p> <p>G1 M3 Lesson 5: Rename and measure with centimeter cubes, using their standard unit name of centimeters.</p> <p>G1 M3 Topic C: Non-Standard and Standard Length Units</p>

## Measurement and Data

Tell and write time and money.

New York Next Generation Mathematics Learning Standards	Aligned Components of <i>Eureka Math</i>
<p><b>NY-1.MD.3a</b></p> <p>Tell and write time in hours and half-hours using analog and digital clocks. Develop an understanding of common terms, such as, but not limited to, <i>o'clock</i> and <i>half past</i>.</p>	<p>G1 M5 Topic D: Application of Halves to Tell Time</p>
<p><b>NY-1.MD.3b</b></p> <p>Recognize and identify coins (penny, nickel, dime, and quarter) and their value and use the cent symbol (¢) appropriately.</p>	<p>G1 M6 Topic E: Coins and Their Values</p>
<p><b>NY-1.MD.3c</b></p> <p>Count a mixed collection of dimes and pennies and determine the cent value (total not to exceed 100 cents).</p>	<p>G1 M6 Lesson 24: Use dimes and pennies as representations of numbers to 120.</p> <p><i>Supplemental material is necessary to fully address this standard.</i></p>

## Measurement and Data

Represent and interpret data.

### New York Next Generation Mathematics Learning Standards

### Aligned Components of *Eureka Math*

#### NY-1.MD.4

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.

G1 M3 Topic D: Data Interpretation

## Geometry

Reason with shapes and their attributes.

### New York Next Generation Mathematics Learning Standards

### Aligned Components of *Eureka Math*

#### NY-1.G.1

Distinguish between defining attributes versus non-defining attributes for a wide variety of shapes. Build and/or draw shapes to possess defining attributes.

G1 M5 Topic A: Attributes of Shapes

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<p><b>NY-1.G.2</b></p> <p>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.</p>	<p>G1 M5 Topic B: Part-Whole Relationships Within Composite Shapes</p>
<p><b>NY-1.G.3</b></p> <p>Partition circles and rectangles into two and four equal shares, describe the shares using the words <i>halves</i>, <i>fourths</i>, and <i>quarters</i>, and use the phrases <i>half of</i>, <i>fourth of</i>, and <i>quarter of</i>. Describe the whole as <i>two of</i>, <i>or four of</i> the shares. Understand for these examples that decomposing into more equal shares creates smaller shares.</p>	<p>G1 M5 Topic C: Halves and Quarters of Rectangles and Circles</p> <p>G1 M5 Lesson 11: Recognize halves within a circular clock face and tell time to the half-hour.</p> <p>G1 M5 Lesson 12: Recognize halves within a circular clock face and tell time to the half-hour.</p> <p>G1 M5 Lesson 13: Recognize halves within a circular clock face and tell time to the half-hour.</p>