## Eureka Math ${ }^{2}$ Year at a Glance

| Module 1 <br> Place Value Concepts Through Metric <br> Measurement and Data . Place Value, Counting, and Comparing Within 1,000 | Module 2 <br> Addition and Subtraction Within 200 | Module 3 <br> Shapes and Time with Fraction Concepts | Module 4 <br> Addition and Subtraction Within 1,000 | Module 5 <br> Money, Data, and Customary Measurement | Module 6 <br> Multiplication and Division Foundations |
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| Topic A: Represent Data to Solve Problems <br> Lesson 1: Draw and label a picture graph to represent data. 2.MD.D.10, MP6, 2.Mod1.AD8 <br> Lesson 2: Draw and label a bar graph to represent data. 2.MD.D.10, MP8, 2.Mod1.AD8 <br> Lesson 3: Use information presented in a bar graph to solve put together and take apart problems. <br> 2.MD.D.10, MP2, 2.Mod1.AD8, 2.Mod1.AD9 <br> Lesson 4: Use information presented in a bar graph to solve compare problems. <br> 2.MD.D.10, MP7, 2.Mod1.AD8, 2.Mod1.AD9 | Topic A: Simplifying Strategies for Addition <br> Lesson 1: Reason about addition with four addends. <br> 2.NBT.B.6, MP3, 2.Mod2.AD2 <br> Lesson 2: Break apart and add like units. <br> 2.NBT.B.7, MP7, 2.Mod2.AD3 <br> Lesson 3: Use compensation to add within 100. <br> 2.NBT.B.7, MP2, 2.Mod2.AD3 <br> Lesson 4: Use compensation to add within 200. <br> 2.NBT.B.7, MP5, 2.Mod2.AD3 <br> Lesson 5: Make a ten to add within 100. <br> 2.NBT.B.7, MP8, 2.Mod2.AD3 <br> Lesson 6: Make a ten to add within 200. | Topic A: Attributes of Geometric Shapes <br> Lesson 1: Determine the defining attributes of a polygon. <br> 2.G.A.1, MP6, 2.Mod3.AD4 <br> Lesson 2: Use attributes to identify, build, and describe twodimensional shapes. <br> 2.G.A.1, MP7, 2.Mod3.AD4, <br> 2.Mod3.AD5 <br> Lesson 3: Identify, build, and describe right angles and parallel lines. <br> 2.G.A.1, MP6, 2.Mod3.AD4, <br> 2.Mod3.AD5 <br> Lesson 4: Use attributes to identify, classify, and compose different quadrilaterals. <br> 2.G.A.1, MP3, 2.Mod3.AD4, 2.Mod3.AD5 | Topic A: Mental Place Value Strategies <br> Lesson 1: Organize, count, and represent a collection of objects. 2.NBT.B.8, MP3, 2.Mod4.AD8, 2.Mod4.AD9 <br> Lesson 2: Mentally add and subtract multiples of 10 and 100 with unknowns in various positions. 2.NBT.B.8, MP7, 2.Mod4.AD8, 2.Mod4.AD9 <br> Lesson 3: Solve multi-step word problems and reason about equal expressions. <br> 2.OA.A.1, 2.NBT.B.8, MP2, <br> 2.Mod4.AD1, 2.Mod4.AD8, <br> 2.Mod4.AD9 <br> Lesson 4: Represent and solve compare with bigger unknown word problems. | Topic A: Problem Solving with Coins and Bills <br> Lesson 1: Organize, count, and represent a collection of coins. 2.MD.C.8, MP7, 2.Mod5.AD6 <br> Lesson 2: Use the fewest number of coins to make a given value. 2.MD.C.8, MP6, 2.Mod5.AD6 <br> Lesson 3: Solve one- and two-step word problems to find the total value of a group of coins. <br> 2.MD.C.8, MP4, 2.Mod5.AD6 <br> Lesson 4: Solve one- and two-step word problems to find the total value of a group of bills. <br> 2.MD.C.8, MP2, 2.Mod5.AD6 <br> Lesson 5: Use different strategies to make 1 dollar or to make change from 1 dollar. <br> 2.MD.C.8, MP3, 2.Mod5.AD6 | Topic A: Count and Problem Solve with Equal Groups <br> Lesson 1: Compose equal groups and write repeated addition equations. <br> 2.OA.A.1, 2.OA.C.4, MP2, <br> 2.Mod6.AD1, 2.Mod6.AD4 <br> Lesson 2: Organize, count, and represent a collection of objects. 2.OA.C.4, MP7, 2.Mod6.AD4 <br> Lesson 3: Use math drawings to represent equal groups and relate them to repeated addition. <br> 2.OA.C.4, MP8, 2.Mod6.AD4 <br> Lesson 4: Represent equal groups with a tape diagram. <br> 2.OA.A.1, 2.OA.C.4, MP4, <br> 2.Mod6.AD1, 2.Mod6.AD4 |



Lesson 5: Relate the square to Lesson 5: Relate the square to the
cube and use attributes to describe a cube.
2.G.A.1, MP7, 2.Mod3.AD4. 2.Mod3.AD5

Topic B: Composite Shapes and Fraction Concepts

Lesson 6: Recognize that a whole polygon can be decomposed into smaller parts and the parts can be composed to make a whole.
2.G.A.1, MP7, 2.Mod3.AD4,
2.Mod3.AD5

Lesson 7: Combine shapes to create a composite shape and create a new shape from composite shapes.
2.G.A.1, MP3, 2.Mod3.AD4, 2.Mod3.AD5

Lesson 8: Create composite shapes by using equal parts and name them as halves, thirds, and fourths. 2.G.A.3, MP5, 2.Mod3.AD6

Lesson 9: Interpret equal shares in composite shapes as halves, thirds, and fourths.
2.G.A.3, MP3, 2.Mod3.AD6

Topic C: Halves, Thirds, and Fourths of Circles and Rectangles

Lesson 10: Partition circles and rectangles into equal parts and describe those parts as halves. 2.G.A.3, MP7, 2.Mod3.AD6
2.OA.A.1, 2 NBT.B.5, MP5,
2.Mod4.AD1, 2.Mod4.AD4

Topic B: Strategies for Composing Tens and Hundreds Within 1,000

Lesson 5: Use the associative property to make a benchmark number to add within 1,000.
2.NBT.B.5, 2.NBT.B.7, 2.NBT.B.9 MP3, 2.Mod4.AD4, 2.Mod4.AD6, 2.Mod4.AD10

Lesson 6: Use compensation to add within 1,000.
2.NBT.B.5, 2.NBT.B.7, 2.NBT.B.9, MP1, 2.Mod4.AD4, 2.Mod4.AD6, 2.Mod4.AD10

Lesson 7: Use concrete models to add and relate them to written recordings.
2.OA.B.2, 2.NBT.B.7, MP6,
2.Mod4.AD2, 2.Mod4.AD6

Lesson 8: Use place value drawings to represent addition and relate them to written recordings, part 1. 2.OA.B.2, 2.NBT.B.7, MP7, 2.Mod4.AD2, 2.Mod4.AD6

Lesson 9: Use place value drawings to represent addition and relate them to written recordings, part 2. 2.OA.B.2, 2.NBT.B.7, MP6, 2.Mod4.AD2, 2.Mod4.AD6

Lesson 10: Choose and defend efficient solution strategies for addition.

Lesson 6: Solve word problems by using different ways to make change from 1 dollar. 2.MD.C.8, MP3, 2.Mod5.AD6

Lesson 7: Solve word problems by using bills and coins. (Optional) 2.MD.C.8, MP1, 2.Mod5.AD6

Topic B: Use Customary Units to Measure and Estimate Length

Lesson 8: Iterate an inch tile to create a unit ruler and measure to the nearest inch.
2.MD.A.1, MP6, 2.Mod5.AD1

Lesson 9: Use an inch ruler and a yard stick to estimate and measure the length of various objects. 2.MD.A.1, 2.MD.A.3, MP5, 2.Mod5.AD1, 2.Mod5.AD3

Lesson 10: Measure an object twice by using different length units, and compare and relate measurement to unit size.
2.MD.A.2, MP6, 2.Mod5.AD2

Lesson 11: Measure to compare differences in lengths.
2.MD.A.4, MP5, 2.Mod5.AD4

Lesson 12: Identify unknown numbers on a number line by using the interval as a reference point 2.MD.B.6, MP7, 2.Mod1.AD5

Topic B: Arrays and Equal Groups

Lesson 5: Compose arrays with rows and columns and use a repeated count to find the total. 2.OA.C.3, 2.OA.C.4, MP8, 2.Mod6.AD3, 2.Mod6.AD4

Lesson 6: Decompose arrays into rows and columns and relate them to repeated addition.
2.OA.C.3, 2.OA.C.4, MP7,
2.Mod6.AD3, 2.Mod6.AD4

Lesson 7: Distinguish between rows and columns and use math drawings to represent arrays. 2.OA.C.3, 2.OA.C.4, MP7, 2.Mod6.AD3, 2.Mod6.AD4

Lesson 8: Use square tiles to create arrays with gaps.
2.OA.C.3, 2.OA.C.4, MP7
2.Mod6.AD3, 2.Mod6.AD4

Topic C: Rectangular Arrays as a Foundation for Multiplication and Division

Lesson 9: Determine the attributes of a square array.
2.OA.C.3, 2.OA.C.4, MP8
2.Mod6.AD3

Lesson 10: Use math drawings to compose a rectangle.
2.OA.C.3, 2.OA.C.4, MP7
2.Mod6.AD3

Lesson 12: Model and reason about
the difference in length.
2.MD.A.4, MP4, 2.Mod1.AD3

Lesson 13: Estimate and measure height to model metric
relationships.
2.MD.A.1, 2.MD.A.3, MP5,
2.Mod1.AD1, 2.Mod1.AD2

Lesson 14: Represent and compare students' heights.
2.MD.A.4, MP2, 2.Mod1.AD3

Topic D: Solve Compare Problems by Using the Ruler as a Number Line

Lesson 15: Use a measuring tape as a number line to add efficiently.
2.MD.B.6, MP7, 2.Mod1.AD5,
2.Mod1.AD6

Lesson 16: Use a measuring tape as a number line to subtract efficiently.
2.MD.B.6, MP2, 2.Mod1.AD5,
2.Mod1.AD7

Lesson 17: Represent and solve comparison problems by using measurement contexts.
2.MD.B.5, 2.MD.B.6, MP5,
2.Mod1.AD4, 2.Mod1.AD6,
2.Mod1.AD7

Lesson 18: Solve compare with difference unknown word problems by using measurement contexts. 2.MD.B.5, 2.MD.B.6, MP2, MP5
2.MD.B.5, 2.MD.B.6, M1,
2.Mod1.AD4, 2.Mod1.AD6,
2.Mod1.AD4,

Lesson 11: Partition circles and rectangles into equal parts, and describe those parts as halves, thirds, or fourths. 2.G.A.3, MP6, 2.Mod3.AD6

Lesson 12: Describe a whole by the number of equal parts in halves, thirds, and fourths. 2.G.A.3, MP3, 2.Mod3.AD6

Lesson 13: Recognize that equal parts of an identical rectangle can be different shapes. 2.G.A.3, MP4, 2.Mod3.AD7

Topic D: Application of Fractions to Tell Time

Lesson 14: Distinguish between a.m. and p.m.
2.MD.C.7, MP6, 2.Mod3.AD3

Lesson 15: Recognize time as measurement units. 2.MD.C.7, MP7

Lesson 16: Use a clock to tell time to the half hour or quarter hour. 2.MD.C.7, MP3, 2.Mod3.AD2

Lesson 17: Relate the clock to a number line to count by fives. 2.NBT.A.2, 2.MD.C.7, MP2, 2.Mod3.AD1, 2.Mod3.AD2

Lesson 18: Tell time to the nearest 5 minutes.
2.NBT.A.2, 2.MD.C.7, MP6, 2.Mod3.AD1, 2.Mod2.AD2
2.OA.B.2, 2.NBT.B.5, 2.NBT.B.7, 2.NBT.B.9, MP8, 2.Mod4.AD2 2.Mod4.AD4, 2.Mod4.AD6, 2.Mod4.AD10

Lesson 11: Choose and defend efficient solution strategies to add up to four two-digit numbers. 2.OA.B.2, 2.NBT.B.5, 2NBT.B.6, 2.NBT.B.9, MP4, 2.Mod4.AD2, 2.Mod4.AD4, 2.Mod2.AD2, 2.Mod4.AD10

Topic C: Simplifying Strategies for Subtracting Within 1,000

Lesson 12: Take from a ten or a hundred to subtract.
2.NBT.B.5, 2.NBT.B.7, 2.NBT.B.9, MP7, 2.Mod4.AD5, 2.Mod4.AD7, 2.Mod4.AD11

Lesson 13: Use compensation to subtract within 1,000.
2.NBT.B.5, 2.NBT.B.7, 2.NBT.B.9, MP3, 2.Mod4.AD5, 2.Mod4.AD7, 2.Mod4.AD11

Lesson 14: Use compensation to keep a constant difference by adding the same amount to both numbers.
2.NBT.B.7, 2.NBT.B.9, MP2, 2.Mod4.AD7, 2.Mod4.AD11

Lesson 15: Use compensation to keep a constant difference by subtracting the same amount from both numbers.

Topic C: Use Measurement and Data to Solve Problems

Lesson 13: Solve word problems that involve measurements and reason about estimates. 2.MD.B.5, MP6, 2.Mod5.AD5

Lesson 14: Solve addition and subtraction two-step word problems that involve length. 2.MD.B.5, MP4, 2.Mod5.AD5

Lesson 15: Use measurement data to create a line plot. 2.MD.D.9, MP7, 2.Mod5.AD7

Lesson 16: Create a line plot to represent data and ask and answer questions.
2.MD.D.9, 2.Mod5.AD7

Lesson 11: Decompose an array to
find the total efficiently.
2.OA.C.3, 2.OA.C.4, 2.G.A.2,

MP7, 2.Mod6.AD3, 2.Mod6.AD5

Lesson 12: Reason about how equal arrays can be composed differently 2.OA.C.3, 2.OA.C.4, 2.G.A.2, MP3, 2.Mod6.AD3, 2.Mod6.AD5

Lesson 13: Decompose an array and relate it to a number bond. 2.OA.C.3, 2.OA.C.4, 2.G.A.2, MP4, 2.Mod6.AD3, 2.Mod6.AD5

Topic D: The Meaning of Even and Odd Numbers

Lesson 14: Relate doubles to even numbers and write equations to express the sums.
2.OA.C.3, MP8, 2.Mod6.AD2

Lesson 15: Pair objects and skip count to determine whether number is even or odd. 2.OA.C.3, MP7, 2.Mod6.AD2

Lesson 16: Use rectangular arrays to investigate combinations of even and odd numbers.
2.OA.C.3, MP3, 2.Mod6.AD2

Lesson 17: Solve word problems that involve equal groups and arrays.
2.OA.A.1, 2.OA.C.3, 2.OA.C.4, MP4, 2.Mod6.AD1, 2.Mod6.AD3, 2.Mod6.AD4

Lesson 18: Use various strategies to fluently add and subtract within 100




| Lesson 36: Apply place value |  |  |  |
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| understanding to compare by using |  |  |  |
| >, =, and <. |  |  |  |
| 2.NBT.A.4, MP8, 2.Mod1.AD16 |  |  |  |
| Lesson 37: Organize, count, |  |  |  |
| represent, and compare a |  |  |  |
| collection of objects. |  |  |  |
| 2.NBT.A.2, 2BT.A.4, MP1, |  |  |  |
| 2.Mod1.AD13, 2.Mod1.AD16 |  |  |  |
| Lesson 38: Compare numbers in |  |  |  |
| different forms. (Optional) |  |  |  |
| 2.NBT.A.3, 2.NBT.A.4, MP7, |  |  |  |
| 2.Mod1.AD15, 2.Mod1.AD16 |  |  |  |
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