

Module 1	Module 2	Module 3	Module 4	Module 5	Module 6
Counting and Cardinality	Two- and Three-Dimensional Shapes	Comparison	Composition and Decomposition	Addition and Subtraction	Place Value Foundations
<p>Topic A: Classify to Make Categories and Count</p> <p>Lesson 1: Compare objects based on their attributes. K.MD.B.3, MP6, K.Mod1.AD10</p> <p>Lesson 2: Classify objects into two categories. K.MD.B.3, MP2, K.Mod1.AD10</p> <p>Lesson 3: Classify objects into two categories and count. K.CC.B.5, K.MD.B.3, MP7, K.Mod1.AD8, K.Mod1.AD10</p> <p>Lesson 4: Classify objects into three categories and count. K.CC.A.1, K.MD.B.3, MP4, K.Mod1.AD1, K.Mod1.AD10</p> <p>Lesson 5: Classify objects into three categories, count, and match to a numeral. K.CC.A.3, K.MD.B.3, MP3, K.Mod1.AD3, K.Mod1.AD10</p>	<p>Topic A: Analyze and Name Two-Dimensional Shapes</p> <p>Lesson 1: Find and describe attributes of flat shapes. K.G.B.4, MP6, K.Mod2.AD5</p> <p>Lesson 2: Classify shapes as triangles or nontriangles. K.G.A.1, K.G.A.2, K.G.B.4, MP3, MP6, K.Mod2.AD1, K.Mod2.AD3, K.Mod2.AD5</p> <p>Lesson 3: Classify shapes as circles, hexagons, or neither. K.G.A.1, K.G.A.2, K.G.B.4, MP7, K.Mod2.AD1, K.Mod2.AD3, K.Mod2.AD5, K.Mod2.AD6</p> <p>Lesson 4: Classify shapes as rectangles or nonrectangles, with square rectangles as a special case. K.G.A.1, K.G.A.2, K.G.B.4, MP3, MP6, K.Mod2.AD1, K.Mod2.AD3, K.Mod2.AD5, K.Mod2.AD6</p>	<p>Topic A: Compare Heights and Lengths</p> <p>Lesson 1: Align endpoints to compare lengths by using <i>taller than</i> and <i>shorter than</i>. K.MD.A.1, K.MD.A.2, MP6, K.Mod3.AD3, K.Mod3.AD4</p> <p>Lesson 2: Compare lengths of simple straight objects by using <i>longer than</i>, <i>shorter than</i>, and <i>about the same length as</i>. K.MD.A.1, K.MD.A.2, MP6, K.Mod3.AD3, K.Mod3.AD4</p> <p>Lesson 3: Compare lengths of complex objects by using <i>longer than</i>, <i>shorter than</i>, and <i>about the same length as</i>. K.MD.A.2, MP1, K.Mod3.AD4</p> <p>Lesson 4: Compare the lengths of cube sticks to flat shapes. K.MD.A.2, MP6, K.Mod3.AD4</p> <p>Lesson 5: Compare the lengths of two cube sticks.</p>	<p>Topic A: Explore Composition and Decomposition</p> <p>Lesson 1: Compose flat shapes and count the parts. K.G.B.6, MP3, K.Mod4.AD5</p> <p>Lesson 2: Decompose flat shapes and count the parts. K.G.B.6, MP6, K.Mod4.AD5</p> <p>Lesson 3: Decompose a group to identify parts and total. K.OA.A.1, MP4, K.Mod4.AD1</p> <p>Lesson 4: Decompose a group and record parts and total by using a number bond. K.OA.A.1, MP5, K.Mod4.AD1</p> <hr/> <p>Topic B: Record Composition and Decomposition</p>	<p>Topic A: Represent Addition</p> <p>Lesson 1: Represent <i>add to with result unknown</i> story problems by using drawings and numbers. K.OA.A.1, MP2, K.Mod5.AD2</p> <p>Lesson 2: Relate number sentences and number bonds through story problems. K.OA.A.1, MP7, K.Mod5.AD2</p> <p>Lesson 3: Represent and solve <i>add to with result unknown</i> story problems. K.OA.A.1, K.OA.A.2, MP5, K.Mod5.AD2, K.Mod5.AD4, K.Mod5.AD6</p> <p>Lesson 4: Represent decomposition situations by using number bonds and addition sentences. K.OA.A.1, K.OA.A.3, MP6, K.Mod5.AD2, K.Mod5.AD7</p> <p>Lesson 5: Represent <i>take apart with both addends unknown</i> situations with a number sentence.</p>	<p>Topic A: Count and Write Teen Numbers</p> <p>Lesson 1: Describe teen numbers as 10 ones and ___ ones. K.CC.B.5, K.NBT.A.1, MP5, K.Mod6.AD5, K.Mod6.AD8</p> <p>Lesson 2: Find 10 ones in a teen number. K.CC.A.1, K.NBT.A.1, MP7, K.Mod6.AD1, K.Mod6.AD8</p> <p>Lesson 3: Write numerals 11–20. K.CC.A.3, K.NBT.A.1, MP8, K.Mod6.AD2, K.Mod6.AD3, K.Mod6.AD8</p> <p>Lesson 4: Order numerals 0–20. K.CC.B.4.c, K.NBT.A.1, MP7, K.Mod6.AD4, K.Mod6.AD8, K.Mod6.AD9</p> <p>Lesson 5: Reason about a number’s position in the number sequence. K.CC.A.1, K.CC.A.2, MP3, K.Mod5.AD1, K.Mod6.AD1</p>

Module 1

Topic B: Answer *How Many* Questions with Up to 5 Objects

Lesson 6: Organize, count, and represent a collection of objects. K.CC.A.1, K.CC.B.4.a, K.CC.B.4.b, K.CC.B.5, MP1, K.Mod1.AD1, K.Mod1.AD4, K.Mod1.AD5, K.Mod1.AD8

Lesson 7: Practice counting accurately. K.CC.A.3, K.CC.B.4.a, K.CC.B.4.b, K.CC.B.5, MP2, K.Mod1.AD3, K.Mod1.AD4, K.Mod1.AD5, K.Mod1.AD8

Lesson 8: Count sets in linear, array, and scattered configurations. K.CC.B.5, MP2, K.Mod1.AD8

Lesson 9: Conserve number regardless of the arrangement of objects. K.CC.B.4.b, MP 8, K.Mod1.AD6

Topic C: Write Numerals and Create Sets of Up to 5 Objects

Lesson 10: Count out a group of objects to match a numeral. K.CC.B.5, MP2, K.Mod1.AD9

Lesson 11: Write numerals 1–3 to answer *how many* questions. K.CC.A.3, MP6, K.Mod1.AD2

Module 2

Lesson 5: Communicate the position of flat shapes by using position words. K.G.A.1, MP7, K.Mod2.AD2

Topic B: Analyze and Name Three-Dimensional Shapes

Lesson 6: Distinguish between flat and solid shapes. K.G.A.3, MP7, K.Mod2.AD4

Lesson 7: Name solid shapes and discuss their attributes. K.G.A.2, K.G.B.4, MP2, K.Mod2.AD3, K.Mod2.AD5, K.Mod2.AD6

Lesson 8: Classify solid shapes based on the ways they can be moved. K.G.B.4, MP7, K.Mod2.AD5, K.Mod2.AD6

Lesson 9: Match solid shapes to their two-dimensional faces. K.G.A.3, K.G.B.4, MP1, K.Mod2.AD4, K.Mod2.AD5, K.Mod2.AD6

Topic C: Construct Shapes

Lesson 10: Construct a circle. K.G.B.4, K.G.B.5, MP7, K.Mod2.AD5, K.Mod2.AD6, K.Mod2.AD7

Lesson 11: Construct and classify polygons. K.G.A.2, K.G.B.5, MP3, K.Mod2.AD3, K.Mod2.AD7

Module 3

K.MD.A.2, MP4, K.Mod3.AD4

Lesson 6: Compose cube sticks that are the same length. K.MD.A.2, MP2, K.Mod3.AD4

Topic B: Compare Weights

Lesson 7: Compare weights by using *heavier than*, *lighter than*, and *about the same weight as*. K.MD.A.1, K.MD.A.2, MP5, K.Mod3.AD3, K.Mod3.AD5

Lesson 8: Use a balance scale to compare two objects. K.MD.A.2, MP3, K.Mod3.AD5

Lesson 9: Use a balance scale to compare an object to a group of cubes. K.MD.A.2, MP2, K.Mod3.AD5

Lesson 10: Use a balance scale to compare an object to different units. K.MD.A.2, MP4, K.Mod3.AD5

Lesson 11: Observe conservation of weight on the balance scale. K.MD.A.2, MP8, K.Mod3.AD5

Topic C: Compare Sets Within 10

Lesson 12: Relate *more* and *fewer* to length. K.CC.C.6, K.MD.A.1, K.MD.A.2, MP6, K.Mod3.AD1, K.Mod3.AD3, K.Mod3.AD4

Module 4

Lesson 5: Sort to decompose a number in more than one way. K.OA.A.3, MP4, K.Mod4.AD4

Lesson 6: Decompose a number in more than one way and record. K.OA.A.1, K.OA.A.3, MP8, K.Mod4.AD1, K.Mod4.AD4

Lesson 7: Find partners to 5. K.OA.A.1, K.OA.A.3, MP6, K.Mod4.AD1, K.Mod4.AD4

Lesson 8: Find partners to 10. K.OA.A.3, MP4, K.Mod4.AD4

Lesson 9: Compose shapes in more than one way. K.G.B.6, MP6, MP7, K.Mod4.AD5

Lesson 10: Sort and record the decomposition with a number bond. K.OA.A.1, MP4, K.Mod4.AD1

Topic C: Model Composition and Decomposition in Story Problems

Lesson 11: Model *put together with total unknown* story problems. K.OA.A.1, K.OA.A.2, MP5, K.Mod4.AD1, K.Mod4.AD2

Lesson 12: Draw to represent *put together with total unknown* story problems. K.OA.A.2, MP4, K.Mod4.AD2

Lesson 13: Choose a math tool to solve *put together with total unknown* story problems.

Module 5

K.OA.A.1, MP2, K.Mod5.AD2

Lesson 6: Tell addition story problems starting from number sentence models. K.OA.A.1, MP3, K.Mod5.AD2

Lesson 7: Find the total in an addition sentence. K.OA.A.1, K.OA.A.5, MP5, K.Mod5.AD2, K.Mod5.AD9

Topic B: Represent Subtraction

Lesson 8: Understand taking away as a type of subtraction. K.OA.A.1, MP8, K.Mod5.AD3

Lesson 9: Represent *take from with result unknown* story problems by using drawings and numbers. K.OA.A.1, MP2, K.Mod5.AD3

Lesson 10: Represent and solve *take from with result unknown* story problems. K.OA.A.1, K.OA.A.2, MP5, K.Mod5.AD3, K.Mod5.AD4, K.Mod5.AD6

Lesson 11: Represent decomposition situations by using number bonds and subtraction sentences. K.OA.A.1, MP7, K.Mod5.AD3

Lesson 12: Relate parts to total in subtraction situations. K.OA.A.1, K.OA.A.2, MP4, K.Mod5.AD3, K.Mod5.AD4, K.Mod5.AD6

Module 6

Lesson 6: Count out a group of objects to match a numeral. K.NBT.A.1, MP5, MP7, K.Mod6.AD6, K.Mod6.AD8, K.Mod6.AD9

Topic B: Compose and Decompose Teen Numbers

Lesson 7: Decompose numbers 10–20 with 10 as a part. K.CC.B.5, K.NBT.A.1, MP8, K.Mod6.AD5, K.Mod6.AD8, K.Mod6.AD9

Lesson 8: Represent teen number compositions and decompositions as addition sentences. K.OA.A.2, K.NBT.A.1, MP2, K.Mod6.AD7, K.Mod6.AD8, K.Mod6.AD9

Lesson 9: Represent teen number decompositions as subtraction sentences. K.OA.A.2, K.NBT.A.1, MP4, K.Mod6.AD7, K.Mod6.AD8, K.Mod6.AD9

Lesson 10: Make sense of word problems involving teen numbers. K.OA.A.2, K.NBT.A.1, MP1, K.Mod6.AD7, K.Mod6.AD8, K.Mod6.AD9

Lesson 11: Represent teen number decompositions as 10 ones and some ones and find a hidden part. K.OA.A.2, K.NBT.A.1, MP4, MP5, K.Mod6.AD7, K.Mod6.AD8, K.Mod6.AD9

Module 1

Lesson 12: Write numerals 4 and 5 to answer how many questions.
K.CC.A.1, K.CC.A.3, MP2, K.Mod1.AD1, K.Mod1.AD2

Lesson 13: Count out enough objects and write the numeral.
K.CC.B.4.a, K.CC.B.4.b, MP3, K.Mod1.AD4, K.Mod1.AD5

Topic D: Decompose Numbers

Lesson 14: Understand the meaning of zero and write the numeral.
K.CC.A.3, MP2, K.Mod1.AD2, K.Mod1.AD3

Lesson 15: Sort the same group of objects in more than one way and count.
K.MD.B.3, K.OA.A.3, MP6, K.Mod1.AD10

Lesson 16: Decompose a set shown in a picture.
K.MD.B.3, K.OA.A.3, MP5, K.Mod1.AD10

Lesson 17: Model story problems.
MP4, MP5

Lesson 18: Model story problems and identify the numeral referents.
MP2

Topic E: Answer How Many Questions with Up to 10 Objects

Module 2

Lesson 12: Construct solid shapes by using a square base.
K.G.B.4, K.G.B.5, MP6, K.Mod2.AD5, K.Mod2.AD6, K.Mod2.AD7

Lesson 13: Draw flat shapes.
K.G.B.4, K.G.B.5, MP5, K.Mod2.AD5, K.Mod2.AD6, K.Mod2.AD8

Lesson 14: Compose flat shapes.
K.G.A.1, K.G.A.2, MP6, K.Mod2.AD2, K.Mod2.AD3

Lesson 15: Compose solid shapes to create a structure that can fit a toy inside.
K.G.B.4, MP1, K.Mod2.AD5, K.Mod2.AD6

Lesson 16: Organize, count, and represent a collection of objects. (Optional)
MP4



Module 3

Lesson 13: Compare sets by using *more than*, *fewer than*, and *the same number as*.
K.CC.C.6, K.Mod3.AD1

Lesson 14: Use number to compare sets with like units.
K.CC.C.6, MP5, K.Mod3.AD1

Lesson 15: Classify flat shapes into groups and compare the number of shapes in each group.
K.MD.B.3, MP3, K.Mod3.AD6

Lesson 16: Count and compare sets with unlike units.
K.CC.C.6, MP2, K.Mod3.AD1

Lesson 17: Count and compare sets in pictures.
K.CC.C.6, MP1, K.Mod3.AD1

Topic D: Compare Numbers Within 10

Lesson 18: Compare the capacity of containers by using numerals.
K.CC.C.7, MP2, K.Mod3.AD2

Lesson 19: Compare numbers by using *greater than*, *less than*, and *equal to*.
K.CC.C.7, MP6, K.Mod3.AD2

Lesson 20: Compare two numbers in story situations.
K.CC.C.7, MP3, K.Mod3.AD2

Lesson 21: Describe and compare several measurable attributes of objects and sets.

Module 4

K.OA.A.2, MP4, MP5, K.Mod4.AD2

Lesson 14: Model *take apart with both addends unknown* situations.
K.OA.A.2, MP1, K.Mod4.AD3

Lesson 15: Choose a math tool to solve *take apart with both addends unknown* situations.
K.OA.A.1, K.OA.A.2, MP2, K.Mod4.AD1, K.Mod4.AD3

Lesson 16: Compose and decompose numbers and shapes.
K.OA.A.2, MP7, K.Mod4.AD2, K.Mod4.AD3

Lesson 17: Organize, count, and represent a collection of objects. (Optional)
MP7

Lesson 18: Use the structure of 5 and 10 to build a rekenrek. (Optional)
K.OA.A.3, MP5, MP7, K.Mod4.AD4



Module 5

Lesson 13: Tell subtraction story problems starting from number sentence models.
K.OA.A.1, MP3, K.Mod5.AD3

Lesson 14: Find the difference in a subtraction sentence.
K.OA.A.1, K.OA.A.5, MP5, K.Mod5.AD3, K.Mod5.AD10

Topic C: Make Sense of Problems

Lesson 15: Identify the action in a problem to represent and solve it.
K.OA.A.1, K.OA.A.2, MP1, K.Mod5.AD2, K.Mod5.AD3, K.Mod5.AD4, K.Mod5.AD6

Lesson 16: Relate addition and subtraction through word problems.
K.OA.A.1, K.OA.A.2, MP7, K.Mod5.AD2, K.Mod5.AD3, K.Mod5.AD4, K.Mod5.AD6

Lesson 17: Reason about different units to solve story problems.
K.OA.A.2, MP1, K.Mod5.AD4, K.Mod5.AD6

Lesson 18: Count starting from a number other than 1 to find the total.
K.CC.A.2, MP8, K.Mod5.AD1

Lesson 19: Represent and solve *take apart with change unknown* problems.
K.OA.A.1, MP4, K.Mod5.AD2, K.Mod5.AD3

Module 6

Lesson 12: Investigate different ways to decompose teen numbers. (Optional)
K.CC.B.5, MP7, K.Mod6.AD5

Topic C: Count to 100

Lesson 13: Organize, count, and represent a collection of objects.
MP7

Lesson 14: Count by tens.
K.CC.A.1, MP6, K.Mod6.AD1

Lesson 15: Count by tens by using math tools.
K.CC.A.1, MP5, K.Mod6.AD1

Lesson 16: Use the structure of ten to count to 100.
K.CC.A.1, K.CC.A.2, MP7, K.Mod5.AD1, K.Mod6.AD1

Lesson 17: Use patterns in the number sequence to count by ones within 100.
K.CC.A.1, K.CC.A.2, K.CC.A.3, MP7, K.Mod5.AD1, K.Mod6.AD1, K.Mod6.AD3

Lesson 18: Count within and across decades when counting by ones, part 1.
K.CC.A.1, K.CC.A.2, MP3, K.Mod5.AD1, K.Mod6.AD1

Lesson 19: Count within and across decades when counting by ones, part 2.
K.CC.A.1, K.CC.A.2, MP5, K.Mod5.AD1, K.Mod6.AD1

Module 1

Lesson 19: Organize, count, and represent a collection of objects.

K.CC.A.1, K.CC.B.4.a, K.CC.B.4.b, K.CC.B.5, MP5, K.Mod1.AD1, K.Mod1.AD4, K.Mod1.AD5, K.Mod1.AD8

Lesson 20: Count objects in 5-group and array configurations and match to a numeral.

K.CC.B.4.b, K.CC.B.5, K.CC.A.3, MP7, K.Mod1.AD5, K.Mod1.AD8

Lesson 21: Count sets in circular configurations and match to a numeral.

K.CC.A.3, K.CC.B.5, MP6, K.Mod1.AD3, K.Mod1.AD8

Lesson 22: Count sets in scattered configurations and match to a numeral.

K.CC.A.3, K.CC.B.5, MP2, K.Mod1.AD3, K.Mod1.AD8

Lesson 23: Conserve number regardless of the order in which objects are counted.

K.CC.B.4.b, MP8, K.Mod1.AD6

Topic F: Write Numerals and Create Sets of Up to 10 Objects

Lesson 24: Count out a group of objects to match a numeral.

K.CC.B.5, MP4, K.Mod1.AD9

Lesson 25: Write numerals 6 and 7.

K.CC.A.3, MP2, K.Mod1.AD2

Module 2

Module 3

K.CC.C.6, K.MD.A.1, K.MD.A.2, MP1, K.Mod3.AD1, K.Mod3.AD3, K.Mod3.AD4, K.Mod3.AD5

Lesson 22: Organize, count, and represent a collection of objects. (Optional)

MP5



Module 4

Module 5

Lesson 20: Find the number that makes 10 and record with a number sentence.

K.OA.A.4, MP3, K.Mod5.AD8

Lesson 21: Organize drawings to solve problems efficiently.

K.OA.A.1, MP2, MP4, K.Mod5.AD2, K.Mod5.AD3

Topic D: Make Use of Structure

Lesson 22: Identify and extend linear patterns.

K.CC.A.2, MP7, K.Mod5.AD1

Lesson 23: Use a pattern to make a prediction.

K.CC.A.2, MP2, MP7, MP8, K.Mod5.AD1

Lesson 24: Solve story problems by using repeated reasoning.

K.OA.A.1, MP7, MP8, K.Mod5.AD2

Lesson 25: Extend growing patterns.

K.G.B.6, MP7, K.Mod5.AD5

Lesson 26: Reason about numbers to add and subtract.

K.OA.A.1, K.OA.A.4, MP8, K.Mod5.AD2, K.Mod5.AD3, K.Mod5.AD8

Lesson 27: Organize, count, and represent a collection of objects. (Optional)

MP7



Module 6

Topic D: Compare

Lesson 20: Compare totals in story situations. (Optional)

K.CC.C.6, MP3, K.Mod3.AD1

Lesson 21: Count and compare sets with more than 10 objects. (Optional)

K.CC.C.6, MP5, K.Mod3.AD1

Lesson 22: Compare area by comparing number. (Optional)

K.CC.C.6, MP6, K.Mod3.AD1

Lesson 23: Compare lengths of objects by using 10-sticks and cubes. (Optional)

K.CC.C.6, MP7, K.Mod3.AD1

Lesson 24: Organize, count, and represent a collection of objects.

MP7



Module 1

Module 2

Module 3

Module 4

Module 5

Module 6

Lesson 26: Write numeral 8.
K.CC.A.1, K.CC.A.3, MP7,
K.Mod1.AD1, K.Mod1.AD2

Lesson 27: Write numerals 9 and 10.
K.CC.A.3, MP5, K.Mod1.AD2

Lesson 28: Order numerals 1–10
and reason about an unknown
number in the number sequence.
K.CC.A.1, MP7, K.Mod1.AD1

**Topic G: Analyze the Count
Sequence**

Lesson 29: Model the pattern of 1
more in the forward count sequence.
K.CC.B.4.c, MP8, K.Mod1.AD7

Lesson 30: Build number stairs to
show the pattern of 1 more in the
forward count sequence.
K.CC.B.4.c, MP7, K.Mod1.AD7

Lesson 31: Model the pattern of 1
less in the backward count sequence.
K.CC.B.4.c, MP8, K.Mod1.AD7

Lesson 32: Build number stairs to
show the pattern of 1 less in the
backward count sequence.
K.CC.B.4.c, MP7, K.Mod1.AD7

Lesson 33: Organize, count, and
represent a collection of objects.
K.CC.A.1, K.CC.B.4.a,
K.CC.B.4.b, K.CC.B.5, MP4,
K.Mod1.AD1, K.Mod1.AD4,
K.Mod1.AD5, K.Mod1.AD8

