



# IXL Skill Alignment

K alignment for EngageNY Common Core Curriculum

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# Module 1

## Numbers to 10

Textbook section	IXL skills
<b>Topic A:</b> Attributes of Two Related Objects	<b>P.2</b> Same >>
	<i>See also:</i>
	<b>P.1</b> Different >>
	<b>P.3</b> Same and different >>
<b>Topic B:</b> Classify to Make Categories and Count	<b>A.1</b> Learn to count to 3 >>
	<b>A.2</b> Count to 3 >>
	<b>A.6</b> Represent numbers - up to 3 >>
	<b>P.4</b> Classify shapes by color >>
	<b>P.5</b> Classify and sort by color >>
	<b>P.6</b> Classify and sort by shape >>
	<b>P.7</b> Classify and sort >>
	<i>See also:</i>
	<b>A.3</b> Count using stickers - up to 3 >>
	<b>Topic C:</b> Numbers to 5 in Different Configurations, Math Drawings, and Expressions
<b>A.5</b> Show numbers on ten frames - up to 3 >>	
<b>B.1</b> Learn to count to 5 >>	
<b>B.2</b> Count to 5 >>	
<b>B.4</b> Count on ten frames - up to 5 >>	
<b>B.6</b> Represent numbers - up to 5 >>	
<i>See also:</i>	
<b>A.3</b> Count using stickers - up to 3 >>	
<b>B.3</b> Count using stickers - up to 5 >>	
<b>B.5</b> Show numbers on ten frames - up to 5 >>	
<b>I.4</b> Make a number using addition - sums up to 5 >>	
<b>Topic D:</b> The Concept of Zero and Working with Numbers 0-5	

**Topic E:** Working with Numbers 6-8 in Different Configurations

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**Topic F:** Working with Numbers 9-10 in Different Configurations

- C.1** Learn to count to 10 >>
  - C.2** Count to 10 >>
  - C.3** Count dots - up to 10 >>
  - C.4** Count blocks - up to 10 >>
  - C.5** Count using stickers - up to 10 >>
  - C.6** Count on ten frames - up to 10 >>
  - C.7** Show numbers on ten frames - up to 10 >>
  - C.8** Represent numbers - up to 10 >>
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**Topic G:** One More with Numbers 0-10

- B.8** Count one more - up to 5 >>
- C.10** Count one more - up to 10 >>
- C.21** Count forward - up to 10 >>
- C.24** Complete a sequence - up to 10 >>

*See also:*

- C.15** Count up - with numbers >>
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**Topic H:** One Less with Numbers 0-10

- B.10** Count one less - up to 5 >>
  - C.12** Count one less - up to 10 >>
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## Module 2

### Two-Dimensional and Three-Dimensional Shapes

Textbook section	IXL skills
<b>Topic A:</b> Two-Dimensional Flat Shapes	<b>M.5</b> Above and below >>
	<b>M.7</b> Beside and next to >>
	<b>V.1</b> Name the two-dimensional shape >>
	<b>V.2</b> Circles >>
	<b>V.4</b> Hexagons >>
	<b>V.5</b> Select two-dimensional shapes >>
	<b>V.6</b> Count sides and corners >>
	<b>V.7</b> Compare sides and corners >>
	<i>See also:</i>
	<b>V.3</b> Squares and rectangles >>
<b>Topic B:</b> Three-Dimensional Solid Shapes	<b>M.6</b> Above and below - find solid figures >>
	<b>M.8</b> Beside and next to - find solid figures >>
	<b>W.2</b> Name the three-dimensional shape >>
	<b>W.3</b> Spheres >>
	<b>W.4</b> Cubes >>
	<b>W.5</b> Cones >>
	<b>W.6</b> Cylinders >>
	<b>W.7</b> Select three-dimensional shapes >>
	<b>W.9</b> Shapes of everyday objects I >>
	<b>W.10</b> Shapes of everyday objects II >>
<b>Topic C:</b> Two-Dimensional and Three-Dimensional Shapes	<b>W.8</b> Identify shapes traced from solids >>

## Module 3

### Comparison of Length, Weight, Capacity, and Numbers to 10

Textbook section	IXL skills
<b>Topic A:</b> Comparison of Length and Height	
<b>Topic B:</b> Comparison of Length and Height of Linking Cube Sticks Within 10	
<b>Topic C:</b> Comparison of Weight	
<b>Topic D:</b> Comparison of Volume	<b>S.4</b> Holds more or less >>
<b>Topic E:</b> Are There Enough?	<b>G.1</b> Are there enough? >>  <i>See also:</i> <b>G.2</b> Fewer and more - compare by matching >> <b>G.3</b> Fewer and more - compare by counting >> <b>G.4</b> Fewer and more - compare in a mixed group >> <b>G.5</b> Fewer, more, and same >>
<b>Topic F:</b> Comparison of Sets Within 10	<b>B.7</b> One more - up to 5 >> <b>B.8</b> Count one more - up to 5 >> <b>B.9</b> One less - up to 5 >> <b>B.10</b> Count one less - up to 5 >> <b>C.9</b> One more - up to 10 >> <b>C.10</b> Count one more - up to 10 >> <b>C.11</b> One less - up to 10 >> <b>C.12</b> Count one less - up to 10 >>  <i>See also:</i> <b>C.13</b> One more and one less - up to 10 >> <b>C.14</b> Count one more and one less - up to 10 >>
<b>Topic G:</b> Comparison of Numerals	
<b>Topic H:</b> Clarification of Measurable Attributes	

# Module 4

## Number Pairs, Addition and Subtraction to 10

Textbook section	IXL skills
<b>Topic A:</b> Compositions and Decompositions of 2, 3, 4, and 5	
<b>Topic B:</b> Decompositions of 6, 7, and 8 into Number Pairs	
<b>Topic C:</b> Addition with Totals of 6, 7, and 8	
<b>Topic D:</b> Subtraction from Numbers to 8	<p><b>K.2</b> Subtraction sentences - numbers up to 5 &gt;&gt;</p> <p><i>See also:</i></p> <p><b>K.1</b> Subtract with pictures - numbers up to 5 &gt;&gt;</p> <p><b>K.5</b> Subtraction word problems - numbers up to 5 &gt;&gt;</p>
<b>Topic E:</b> Decompositions of 9 and 10 into Number Pairs	
<b>Topic F:</b> Addition with Totals of 9 and 10	
<b>Topic G:</b> Subtraction from 9 and 10	<p><b>I.3</b> Add two numbers - sums up to 5 &gt;&gt;</p> <p><b>K.3</b> Subtract - numbers up to 5 &gt;&gt;</p> <p><b>L.2</b> Subtraction sentences - numbers up to 10 &gt;&gt;</p> <p><i>See also:</i></p> <p><b>L.1</b> Subtract with pictures - numbers up to 10 &gt;&gt;</p> <p><b>L.7</b> Subtraction word problems - numbers up to 10 &gt;&gt;</p>
<b>Topic H:</b> Patterns with Adding 0 and 1 and Making 10	<p><b>C.17</b> Count to fill a ten frame &gt;&gt;</p> <p><b>I.3</b> Add two numbers - sums up to 5 &gt;&gt;</p>

*See also:*

**J.5** Complete the addition sentence - make ten >>

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# Module 5

## Numbers 10-20 and Counting to 100

Textbook section	IXL skills
<b>Topic A:</b> Count 10 Ones and Some Ones	
<b>Topic B:</b> Compose Numbers 11-20 from 10 Ones and Some Ones; Represent and Write Teen Numbers	<b>D.4</b> Show numbers on ten frames - up to 20 >> <b>D.5</b> Represent numbers - up to 20 >>
<b>Topic C:</b> Decompose Numbers 11-20, and Count to Answer 'How Many?' Questions in Varied Configurations	<b>D.1</b> Count to 20 >> <b>D.2</b> Count dots - 0 to 20 >> <b>D.3</b> Count on ten frames - up to 20 >> <b>D.6</b> Count up - up to 20 >> <b>D.15</b> Count blocks - up to 20 >>  <i>See also:</i> <b>D.11</b> Count forward - up to 20 >> <b>D.12</b> Count forward and backward - up to 20 >> <b>D.14</b> Complete a sequence - up to 20 >>
<b>Topic D:</b> Extend the Say Ten and Regular Count Sequence to 100	<b>E.1</b> Count on ten frames - up to 30 >> <b>E.2</b> Count groups of ten >> <b>E.3</b> Count to 100 >> <b>E.6</b> Count blocks - up to 30 >> <b>E.9</b> Count blocks - up to 100 >> <b>F.6</b> Learn to skip-count by tens >> <b>F.7</b> Skip-count by tens >>  <i>See also:</i> <b>E.4</b> Counting on the hundred chart >>
<b>Topic E:</b> Represent and Apply Compositions and Decompositions of Teen Numbers	



# Module 6

## Analyzing, Comparing, and Composing Shapes

### Textbook section

### IXL skills

**Topic A:** Building and Drawing Flat and Solid Shapes

- I.3** Add two numbers - sums up to 5 >>
- K.3** Subtract - numbers up to 5 >>
- W.8** Identify shapes traced from solids >>

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**Topic B:** Composing and Decomposing Shapes

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