



# IXL Skill Alignment

1st alignment for EngageNY Common Core Curriculum

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# Module 1

## Sums and Differences to 10

Textbook section	IXL skills
<b>Topic A:</b> Embedded Numbers and Decompositions	<b>B.2</b> Addition sentences - sums up to 10 >>
<b>Topic B:</b> Counting On from Embedded Numbers	<b>D.2</b> Make a number using addition - sums up to 10 >>
	<b>D.4</b> Ways to make a number - addition sentences >>
<b>Topic C:</b> Addition Word Problems	<b>B.1</b> Add with pictures - sums up to 10 >>
	<b>D.5</b> Addition word problems - sums up to 10 >>
	<b>D.6</b> Addition sentences for word problems - sums up to 10 >>
<b>Topic D:</b> Strategies for Counting On	<b>B.1</b> Add with pictures - sums up to 10 >>
<b>Topic E:</b> The Commutative Property of Addition and the Equals Sign	<b>D.1</b> Addition facts - sums up to 10 >>
	<b>D.4</b> Ways to make a number - addition sentences >>
	<i>See also:</i>
	<b>D.14</b> Related addition facts >>
<b>Topic F:</b> Development of Addition Fluency Within 10	<b>D.1</b> Addition facts - sums up to 10 >>
	<b>D.4</b> Ways to make a number - addition sentences >>
<b>Topic G:</b> Subtraction as an Unknown Addend Problem	<b>F.1</b> Subtract with pictures - numbers up to 10 >>
	<b>F.3</b> Subtraction sentences using number lines - numbers up to 10 >>
	<b>H.1</b> Subtraction facts - numbers up to 10 >>
	<i>See also:</i>
	<b>H.6</b> Subtraction word problems - numbers up to 10 >>
	<b>H.7</b> Subtraction sentences for word problems - numbers up to 10 >>

**Topic H:** Subtraction Word Problems

- H.6** Subtraction word problems - numbers up to 10 >>
- H.7** Subtraction sentences for word problems - numbers up to 10 >>
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**Topic I:** Decomposition Strategies for Subtraction

- F.4** Subtract zero and all >>
- G.1** Subtracting 1 >>
- G.10** Subtracting 0 >>
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**Topic J:** Development of Subtraction Fluency  
Within 10

- D.2** Make a number using addition - sums up to 10 >>
- H.2** Make a number using subtraction - numbers up to 10 >>
- J.3** Fact families >>
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# Module 2

## Sums and Differences to 10

Textbook section	IXL skills
<b>Topic A:</b> Counting On or Making Ten to Solve Result Unknown and Total Unknown Problems	<b>C.7</b> Adding 7 >>
	<b>C.8</b> Adding 8 >>
	<b>C.9</b> Adding 9 >>
	<b>D.9</b> Addition word problems - sums up to 18 >>
<b>Topic B:</b> Counting On or Taking from Ten to Solve Result Unknown and Total Unknown Problems	<b>G.7</b> Subtracting 7 >>
	<b>G.8</b> Subtracting 8 >>
	<b>G.9</b> Subtracting 9 >>
	<b>H.10</b> Subtraction word problems - numbers up to 18 >>
<b>Topic C:</b> Strategies for Solving Change or Addend Unknown Problems	<b>D.3</b> Complete the addition sentence - sums up to 10 >>
	<b>H.10</b> Subtraction word problems - numbers up to 18 >>
<b>Topic D:</b> Varied Problems with Decompositions of Teen Numbers as 1 Ten and Some Ones	<b>A.4</b> Counting tens and ones - up to 20 >>
	<b>D.8</b> Addition facts - sums up to 18 >>
	<b>D.9</b> Addition word problems - sums up to 18 >>
	<b>H.9</b> Subtraction facts - numbers up to 18 >>
	<b>H.10</b> Subtraction word problems - numbers up to 18 >>
	<b>J.5</b> Addition and subtraction facts - numbers up to 18 >>
	<b>J.6</b> Addition and subtraction word problems >>
	<b>M.2</b> Write numbers as tens and ones up to 20 >>

## Module 3

### Ordering and Comparing Length Measurements as Numbers

Textbook section	IXL skills
<b>Topic A:</b> Indirect Comparison in Length Measurement	<b>P.2</b> Compare objects: length and height >>
<b>Topic B:</b> Standard Length Units	<b>P.3</b> Measure using objects >>
<b>Topic C:</b> Non-Standard and Standard Length Units	<b>P.3</b> Measure using objects >>
<b>Topic D:</b> Data Interpretation	<b>O.1</b> Record data with tally charts, picture graphs, tables >> <b>O.2</b> Interpret data in tally charts, picture graphs, tables >>  <i>See also:</i> <b>E.11</b> Add three numbers >> <b>E.12</b> Add three numbers - word problems >>

# Module 4

## Place Value, Comparison, Addition and Subtraction to 40

Textbook section	IXL skills
<b>Topic A:</b> Tens and Ones	<b>A.4</b> Counting tens and ones - up to 20 >> <b>A.5</b> Count on ten frames - up to 40 >> <b>A.6</b> Counting by tens - up to 100 >> <b>M.1</b> Place value models up to 20 >> <b>M.2</b> Write numbers as tens and ones up to 20 >> <b>M.4</b> Convert between tens and ones >>
<b>Topic B:</b> Comparison of Pairs of Two-Digit Numbers	
<b>Topic C:</b> Addition and Subtraction of Tens	
<b>Topic D:</b> Addition of Tens or Ones to a Two-Digit Number	
<b>Topic E:</b> Varied Problem Types Within 20	<b>D.9</b> Addition word problems - sums up to 18 >> <b>J.6</b> Addition and subtraction word problems >>
<b>Topic F:</b> Additions of Tens and Ones to a Two-Digit Number	

# Module 5

## Identifying, Composing, and Partitioning Shapes

Textbook section	IXL skills
<b>Topic A:</b> Attributes of Shapes	<b>V.2</b> Select two-dimensional shapes >>
	<b>V.5</b> Open and closed shapes >>
	<b>W.9</b> Shapes of everyday objects I >>
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<b>Topic B:</b> Part-Whole Relationships Within Composite Shapes	
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<b>Topic C:</b> Halves and Quarters of Rectangles and Circles	<b>X.2</b> Equal parts - halves, thirds, and fourths >>
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<b>Topic D:</b> Application of Halves to Tell Time	<b>U.2</b> Match analog clocks and times >>
	<b>U.3</b> Match analog and digital clocks >>
	<b>U.4</b> Read clocks and write times >>

# Module 6

## Place Value, Comparison, Addition and Subtraction to 100

Textbook section	IXL skills
<b>Topic A:</b> Comparison Word Problems	
<b>Topic B:</b> Numbers to 120	<b>A.8</b> Counting tens and ones - up to 99 >> <b>A.11</b> Counting forward and backward >> <b>J.8</b> Ten more or less >> <b>K.3</b> Comparing numbers up to 100 >> <b>M.3</b> Place value models up to 100 >> <b>M.5</b> Write numbers as tens and ones >>
<b>Topic C:</b> Addition to 100 Using Place Value Understanding	<b>E.9</b> Add two multiples of ten >> <b>E.10</b> Add a multiple of ten >> <b>I.3</b> Subtract multiples of 10 >>
<b>Topic D:</b> Varied Place Value Strategies for Addition to 100	
<b>Topic E:</b> Coins and Their Values	<b>Q.1</b> Names and values of common coins >> <b>Q.3</b> Count pennies, nickels, and dimes >> <b>Q.4</b> Count pennies, nickels, dimes, and quarters >>
<b>Topic F:</b> Varied Problem Types Within 20	<b>D.9</b> Addition word problems - sums up to 18 >> <b>H.10</b> Subtraction word problems - numbers up to 18 >> <b>J.6</b> Addition and subtraction word problems >>
<b>Topic G:</b> Culminating Experiences	<b>A.6</b> Counting by tens - up to 100 >> <b>A.11</b> Counting forward and backward >> <b>D.3</b> Complete the addition sentence - sums up to 10 >> <b>D.8</b> Addition facts - sums up to 18 >> <b>D.11</b> Addition facts - sums up to 20 >> <b>H.9</b> Subtraction facts - numbers up to 18 >> <b>J.3</b> Fact families >>



- J.5** Addition and subtraction facts - numbers up to 18 >>
  - K.3** Comparing numbers up to 100 >>
  - M.5** Write numbers as tens and ones >>
  - P.3** Measure using objects >>
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