



# IXL Skill Alignment

1st grade alignment for EngageNY Common Core Curriculum



Use IXL's interactive skill plan to get up-to-date skill alignments, assign skills to your students, and track progress.

[www.ixl.com/math/skill-plans/engageny-common-core-curriculum-1st-grade](https://www.ixl.com/math/skill-plans/engageny-common-core-curriculum-1st-grade)

This document includes the IXL® skill alignments to New York State Education Department's [EngageNY Common Core Curriculum](#). IXL provides skill alignments as a service to teachers, students, and parents. The skill alignments are provided by IXL and are not affiliated with, sponsored by, reviewed, approved or endorsed by New York State Education Department or any other third party. IXL® and IXL Learning® are registered trademarks of IXL Learning, Inc. All other intellectual property rights (e.g., unregistered and registered trademarks and copyrights) are the property of their respective owners.

Visit [IXL.com](https://www.ixl.com) for more information

IXL Learning © 2021

# Module 1

## Sums and Differences to 10

Textbook section	IXL skills
<b>Topic A:</b> Embedded Numbers and Decompositions	<ol style="list-style-type: none"> <li>1. Addition sentences up to 10: which model matches? E5U</li> </ol>
<b>Topic B:</b> Counting On from Embedded Numbers	<ol style="list-style-type: none"> <li>1. Make a number using addition - sums up to 10 VSE</li> <li>2. Ways to make a number - addition sentences up to 10 K48</li> </ol>
<b>Topic C:</b> Addition Word Problems	<ol style="list-style-type: none"> <li>1. Add with pictures - sums up to 10 H6S</li> <li>2. Addition word problems - sums up to 10 P6D</li> <li>3. Addition sentences for word problems - sums up to 10 ZE8</li> </ol>
<b>Topic D:</b> Strategies for Counting On	<ol style="list-style-type: none"> <li>1. Add with pictures - sums up to 10 H6S</li> </ol>
<b>Topic E:</b> The Commutative Property of Addition and the Equals Sign	<ol style="list-style-type: none"> <li>1. Addition facts - sums up to 10 WUL</li> <li>2. Ways to make a number - addition sentences up to 10 K48</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Related addition facts Y8Y</li> </ul>
<b>Topic F:</b> Development of Addition Fluency Within 10	<ol style="list-style-type: none"> <li>1. Addition facts - sums up to 10 WUL</li> <li>2. Ways to make a number - addition sentences up to 10 K48</li> </ol>
<b>Topic G:</b> Subtraction as an Unknown Addend Problem	<ol style="list-style-type: none"> <li>1. Subtract with pictures - up to 10 Y2Z</li> <li>2. Subtraction sentences using number lines - up to 10 LRN</li> <li>3. Subtraction facts - up to 10 EQK</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Subtraction word problems - up to 10 7NL</li> <li>• Subtraction sentences for word problems - up to 10 R2J</li> </ul>

**Topic H:** Subtraction Word Problems

1. Subtraction word problems - up to 10 7NL
2. Subtraction sentences for word problems - up to 10 R2J

**Topic I:** Decomposition Strategies for Subtraction

1. Subtract zero and all PEQ
2. Subtracting 1 HAQ
3. Subtracting 0 8DN

**Topic J:** Development of Subtraction Fluency  
Within 10

1. Make a number using addition - sums up to 10 VSE
2. Make a number using subtraction - up to 10 RSR
3. Fact families WD2

## Module 2

### Introduction to Place Value Through Addition and Subtraction Within 20

Textbook section	IXL skills
<b>Topic A:</b> Counting On or Making Ten to Solve Result Unknown and Total Unknown Problems	<ol style="list-style-type: none"> <li>1. Adding 7 BVK</li> <li>2. Adding 8 LTE</li> <li>3. Adding 9 H8F</li> <li>4. Addition word problems - sums up to 20 KY5</li> </ol>
<b>Topic B:</b> Counting On or Taking from Ten to Solve Result Unknown and Total Unknown Problems	<ol style="list-style-type: none"> <li>1. Subtracting 7 62E</li> <li>2. Subtracting 8 WMY</li> <li>3. Subtracting 9 YYK</li> <li>4. Subtraction word problems - up to 20 9Q9</li> </ol>
<b>Topic C:</b> Strategies for Solving Change or Addend Unknown Problems	<ol style="list-style-type: none"> <li>1. Complete the addition sentence - sums up to 10 N2N</li> <li>2. Subtraction word problems - up to 20 9Q9</li> </ol>
<b>Topic D:</b> Varied Problems with Decompositions of Teen Numbers as 1 Ten and Some Ones	<ol style="list-style-type: none"> <li>1. Counting tens and ones - up to 20 GU6</li> <li>2. Addition word problems - sums up to 20 KY5</li> <li>3. Subtraction facts - up to 20 PV5</li> <li>4. Subtraction word problems - up to 20 9Q9</li> <li>5. Addition and subtraction facts - up to 20 C78</li> <li>6. Addition and subtraction word problems - up to 20 VJR</li> <li>7. Write numbers as tens and ones up to 20 5HL</li> </ol>

## Module 3

### Ordering and Comparing Length Measurements as Numbers

Textbook section	IXL skills
<b>Topic A:</b> Indirect Comparison in Length Measurement	1. Compare objects: length and height D7U
<b>Topic B:</b> Standard Length Units	1. Measure length with objects GWG
<b>Topic C:</b> Non-Standard and Standard Length Units	1. Measure length with objects GWG
<b>Topic D:</b> Data Interpretation	1. Which tally chart is correct? XRL 2. Interpret tally charts LBV  <i>Also consider</i> <ul style="list-style-type: none"><li>• Add three numbers RL2</li><li>• Add three numbers - word problems Z7S</li></ul>

# Module 4

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

Textbook section	IXL skills
<b>Topic A:</b> Tens and Ones	<ol style="list-style-type: none"><li>1. Counting tens and ones - up to 20 GU6</li><li>2. Count on ten frames - up to 40 WTZ</li><li>3. Skip-counting by tens N89</li><li>4. Place value models up to 20 YPB</li><li>5. Write numbers as tens and ones up to 20 5HL</li><li>6. Convert between tens and ones - multiples of 10 VH7</li></ol>
<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	<ol style="list-style-type: none"><li>1. Addition word problems - sums up to 20 KY5</li><li>2. Addition and subtraction word problems - up to 20 VJR</li></ol>
<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	<ol style="list-style-type: none"><li>1. Select two-dimensional shapes HV6</li><li>2. Open and closed shapes DBN</li><li>3. Shapes of everyday objects I ZCN</li></ol>
<b>Topic B:</b> Part-Whole Relationships Within Composite Shapes	
<b>Topic C:</b> Halves and Quarters of Rectangles and Circles	<ol style="list-style-type: none"><li>1. Equal parts - halves, thirds, and fourths FZT</li></ol>
<b>Topic D:</b> Application of Halves to Tell Time	<ol style="list-style-type: none"><li>1. Match analog clocks and times 5FJ</li><li>2. Match analog and digital clocks 7N3</li><li>3. Read clocks and write times UJM</li></ol>

# 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	<ol style="list-style-type: none"> <li>Counting tens and ones - up to 99 <small>EAN</small></li> <li>Counting forward - up to 100 <small>A6F</small></li> <li>Ten more or less <small>CLA</small></li> <li>Compare numbers up to 100 using symbols <small>FU5</small></li> <li>Place value models up to 100 <small>5CG</small></li> <li>Write numbers as tens and ones <small>7WF</small></li> </ol>
<b>Topic C:</b> Addition to 100 Using Place Value Understanding	<ol style="list-style-type: none"> <li>Add two multiples of ten <small>EMK</small></li> <li>Add a multiple of ten and a two-digit number <small>LNL</small></li> <li>Subtract multiples of 10 <small>9DD</small></li> </ol>
<b>Topic D:</b> Varied Place Value Strategies for Addition to 100	
<b>Topic E:</b> Coins and Their Values	<ol style="list-style-type: none"> <li>Names and values of common coins <small>FT2</small></li> <li>Count pennies, nickels, and dimes <small>UED</small></li> <li>Count pennies, nickels, dimes, and quarters <small>8AK</small></li> </ol>
<b>Topic F:</b> Varied Problem Types Within 20	<ol style="list-style-type: none"> <li>Addition word problems - sums up to 20 <small>KY5</small></li> <li>Subtraction word problems - up to 20 <small>9Q9</small></li> <li>Addition and subtraction word problems - up to 20 <small>VJR</small></li> </ol>
<b>Topic G:</b> Culminating Experiences	<ol style="list-style-type: none"> <li>Skip-counting by tens <small>N89</small></li> <li>Counting forward - up to 100 <small>A6F</small></li> <li>Complete the addition sentence - sums up to 10 <small>N2N</small></li> <li>Addition facts - sums up to 20 <small>6TM</small></li> <li>Addition word problems - sums up to 20 <small>KY5</small></li> <li>Subtraction facts - up to 20 <small>PV5</small></li> <li>Fact families <small>WD2</small></li> </ol>





8. Addition and subtraction facts - up to 20 C78
  9. Compare numbers up to 100 using symbols FU5
  10. Write numbers as tens and ones 7WF
  11. Measure length with objects GWG
-