



# IXL Skill Alignment

1st alignment for California GO Math!

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# Chapter 1

## Addition Concepts

Textbook section	IXL skills
<b>1.1:</b> Algebra - Use Pictures to Add To	<b>B.1</b> Add with pictures - sums up to 10 >>
<b>1.2:</b> Hands On - Model Adding To	<b>B.1</b> Add with pictures - sums up to 10 >> <b>B.2</b> Addition sentences - sums up to 10 >>
<b>1.3:</b> Hands On - Model Putting Together	<b>D.5</b> Addition word problems - sums up to 10 >>
<b>1.4:</b> Problem Solving - Model Addition	<b>D.3</b> Complete the addition sentence - sums up to 10 >> <b>D.5</b> Addition word problems - sums up to 10 >>
<b>1.5:</b> Algebra - Add Zero	<b>B.4</b> Adding zero >>
<b>1.6:</b> Hands On - Algebra - Add in Any Order	
<b>1.7:</b> Hands On - Algebra - Put Together Numbers to 10	<b>D.4</b> Ways to make a number - addition sentences >>  <i>See also:</i> <b>D.2</b> Make a number using addition - sums up to 10 >>
<b>1.8:</b> Addition to 10	<b>D.1</b> Addition facts - sums up to 10 >>

# Chapter 2

## Subtraction Concepts

Textbook section	IXL skills
<b>2.1:</b> Use Pictures to Show Taking From	<b>F.1</b> Subtract with pictures - numbers up to 10 >>
<b>2.2:</b> Hands On - Model Taking From	<b>F.1</b> Subtract with pictures - numbers up to 10 >> <b>F.2</b> Subtraction sentences - numbers up to 10 >>
<b>2.3:</b> Hands On - Model Taking Apart	<b>H.6</b> Subtraction word problems - numbers up to 10 >> <b>H.7</b> Subtraction sentences for word problems - numbers up to 10 >>
<b>2.4:</b> Problem Solving - Model Subtraction	<b>H.5</b> Complete the subtraction sentence >> <b>H.6</b> Subtraction word problems - numbers up to 10 >>
<b>2.5:</b> Use Pictures and Subtraction to Compare	
<b>2.6:</b> Use Pictures and Subtraction to Compare	
<b>2.7:</b> Subtract All or Zero	<b>F.4</b> Subtract zero and all >>
<b>2.8:</b> Hands On - Algebra - Take Apart Numbers	<b>H.4</b> Ways to subtract from a number - subtraction sentences >>  <i>See also:</i> <b>H.2</b> Make a number using subtraction - numbers up to 10 >> <b>H.3</b> Ways to make a number - subtraction sentences >>
<b>2.9:</b> Subtraction from 10 or Less	<b>H.1</b> Subtraction facts - numbers up to 10 >>

# Chapter 3

## Addition Strategies

Textbook section	IXL skills
<b>3.1:</b> Algebra - Add in Any Order	<b>D.14</b> <a href="#">Related addition facts &gt;&gt;</a>
<b>3.2:</b> Count On	<b>D.1</b> <a href="#">Addition facts - sums up to 10 &gt;&gt;</a>
<b>3.3:</b> Hands On - Add Doubles	<b>E.1</b> <a href="#">Add doubles - with models &gt;&gt;</a> <b>E.2</b> <a href="#">Add doubles &gt;&gt;</a>
<b>3.4:</b> Hands On - Use Doubles to Add	<b>E.1</b> <a href="#">Add doubles - with models &gt;&gt;</a> <b>E.2</b> <a href="#">Add doubles &gt;&gt;</a> <b>E.4</b> <a href="#">Add using doubles plus one &gt;&gt;</a>
<b>3.5:</b> Hands On - Doubles Plus 1 and Doubles Minus 1	<b>E.4</b> <a href="#">Add using doubles plus one &gt;&gt;</a> <b>E.5</b> <a href="#">Add using doubles minus one &gt;&gt;</a>
<b>3.6:</b> Practice the Strategies	<b>D.8</b> <a href="#">Addition facts - sums up to 18 &gt;&gt;</a> <b>E.4</b> <a href="#">Add using doubles plus one &gt;&gt;</a> <b>E.5</b> <a href="#">Add using doubles minus one &gt;&gt;</a>
<b>3.7:</b> Hands On - Add 10 and More	
<b>3.8:</b> Hands On - Make a 10 to Add	
<b>3.9:</b> Use Make a 10 to Add	
<b>3.10:</b> Hands On - Algebra - Add 3 Numbers	<b>E.11</b> <a href="#">Add three numbers &gt;&gt;</a>
<b>3.11:</b> Algebra - Add 3 Numbers	<b>E.11</b> <a href="#">Add three numbers &gt;&gt;</a> <b>E.12</b> <a href="#">Add three numbers - word problems &gt;&gt;</a>
<b>3.12:</b> Problem Solving - Use Addition Strategies	<b>E.12</b> <a href="#">Add three numbers - word problems &gt;&gt;</a>

# Chapter 4

## Subtraction Strategies

Textbook section	IXL skills
<b>4.1:</b> Count Back	
<b>4.2:</b> Hands On - Think Addition to Subtract	<b>D.8</b> Addition facts - sums up to 18 >> <b>J.3</b> Fact families >>
<b>4.3:</b> Use Think Addition to Subtract	<b>H.9</b> Subtraction facts - numbers up to 18 >>
<b>4.4:</b> Hands On - Use 10 to Subtract	
<b>4.5:</b> Break Apart to Subtract	
<b>4.6:</b> Problem Solving - Use Subtraction Strategies	<b>H.5</b> Complete the subtraction sentence >> <b>H.10</b> Subtraction word problems - numbers up to 18 >>

# Chapter 5

## Addition and Subtraction Relationships

Textbook section	IXL skills
<b>5.1:</b> Problem Solving - Add or Subtract	
<b>5.2:</b> Hands On - Record Related Facts	<b>D.14</b> Related addition facts >> <b>H.13</b> Related subtraction facts >> <b>J.3</b> Fact families >>
<b>5.3:</b> Identify Related Facts	<b>D.14</b> Related addition facts >> <b>H.13</b> Related subtraction facts >> <b>J.3</b> Fact families >>
<b>5.4:</b> Use Addition to Check Subtraction	
<b>5.5:</b> Hands On - Algebra - Missing Numbers	<b>D.3</b> Complete the addition sentence - sums up to 10 >> <b>H.5</b> Complete the subtraction sentence >>
<b>5.6:</b> Algebra - Use Related Facts	<b>H.9</b> Subtraction facts - numbers up to 18 >>
<b>5.7:</b> Choose an Operation	<b>J.6</b> Addition and subtraction word problems >>
<b>5.8:</b> Hands On - Algebra - Ways to Make Numbers to 20	<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>H.2</b> Make a number using subtraction - numbers up to 10 >> <b>H.3</b> Ways to make a number - subtraction sentences >>
<b>5.9:</b> Algebra - Equal and Not Equal	<b>D.15</b> Addition sentences: true or false? >> <b>H.14</b> Subtraction sentences: true or false? >> <b>J.7</b> Addition and subtraction sentences: true or false? >>
<b>5.10:</b> Basic Facts to 20	<b>D.11</b> Addition facts - sums up to 20 >> <b>H.9</b> Subtraction facts - numbers up to 18 >>

# Chapter 6

## Count and Model Numbers

Textbook section	IXL skills
<b>6.1:</b> Count by Ones to 120	
<b>6.2:</b> Count by Tens to 120	<b>A.14</b> Hundred chart >>  <i>See also:</i> <b>A.13</b> Counting on the hundred chart >>
<b>6.3:</b> Understand Tens and One	<b>A.4</b> Counting tens and ones - up to 20 >> <b>M.1</b> Place value models up to 20 >> <b>M.2</b> Write numbers as tens and ones up to 20 >>
<b>6.4:</b> Hands On - Make Ten and Ones	<b>M.2</b> Write numbers as tens and ones up to 20 >>
<b>6.5:</b> Hands On - Tens	<b>M.4</b> Convert between tens and ones >>
<b>6.6:</b> Hands On - Tens and Ones to 50	
<b>6.7:</b> Hands On - Tens and Ones to 100	<b>M.3</b> Place value models up to 100 >> <b>M.5</b> Write numbers as tens and ones >>
<b>6.8:</b> Problem Solving - Show Numbers in Different Ways	<b>D.17</b> Regroup tens and ones - ways to make a number >> <b>D.18</b> Regroup tens and ones >>
<b>6.9:</b> Hands On - Model, Read, and Write Numbers from 100 to 110	
<b>6.10:</b> Hands On - Model, Read, and Write Numbers from 110 to 120	

# Chapter 7

## Compare Numbers

Textbook section	IXL skills	
7.1: Hands On - Algebra - Greater Than		
7.2: Hands On - Algebra - Less Than		
7.3: Hands On - Algebra - Use Symbols to Compare	<b>K.3</b>	Comparing numbers up to 100 >>
7.4: Problem Solving - Compare Numbers		
7.5: Hands On - 10 Less, 10 More	<b>J.8</b>	Ten more or less >>



# Chapter 8

## Two-Digit Addition and Subtraction

Textbook section	IXL skills
<b>8.1:</b> Add and Subtract within 20	<b>D.8</b> Addition facts - sums up to 18 >> <b>H.9</b> Subtraction facts - numbers up to 18 >> <b>J.5</b> Addition and subtraction facts - numbers up to 18 >>
<b>8.2:</b> Hands On - Add Tens	<b>E.9</b> Add two multiples of ten >>
<b>8.3:</b> Hands On - Subtract Tens	<b>I.3</b> Subtract multiples of 10 >>
<b>8.4:</b> Use a Hundred Chart to Add	<b>A.14</b> Hundred chart >>
<b>8.5:</b> Hands On - Use Models to Add	<b>D.16</b> Add a one-digit number to a two-digit number - without regrouping >> <b>E.10</b> Add a multiple of ten >>
<b>8.6:</b> Hands On - Make Ten to Add	
<b>8.7:</b> Hands On - Make Ten to Add	<b>D.18</b> Regroup tens and ones >> <b>D.19</b> Add a one-digit number to a two-digit number - with regrouping >> <b>E.10</b> Add a multiple of ten >>
<b>8.8:</b> Hands On - Use Place Value to Add	
<b>8.9:</b> Problem Solving - Addition Word Problems	
<b>8.10:</b> Practice Addition and Subtraction	<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>I.4</b> Subtract a multiple of 10 >> <b>J.5</b> Addition and subtraction facts - numbers up to 18 >> <b>J.9</b> Add and subtract tens >>

# Chapter 9

## Measurement

Textbook section	IXL skills
<b>9.1:</b> Hands On - Order Lengths	<b>P.2</b> Compare objects: length and height >>
<b>9.2:</b> Indirect Measurement	
<b>9.3:</b> Hands on - Use Nonstandard Units to Measure Length	<b>P.3</b> Measure using objects >>
<b>9.4:</b> Hands On - Make a Nonstandard Measuring Tool	<b>P.3</b> Measure using objects >>
<b>9.5:</b> Problem Solving - Measure and Compare	
<b>9.6:</b> Time to the Hour	
<b>9.7:</b> Time to the Half Hour	
<b>9.8:</b> Tell Time to the Hour and Half Hour	<b>U.2</b> Match analog clocks and times >> <b>U.4</b> Read clocks and write times >>
<b>9.9:</b> Practice Time to the Hour and Half Hour	<b>U.3</b> Match analog and digital clocks >>

# Chapter 10

## Represent Data

Textbook section	IXL skills
<b>10.1:</b> Read Picture Graphs	
<b>10.2:</b> Hands On - Make Picture Graphs	
<b>10.3:</b> Read Bar Graphs	<b>0.4</b> Interpret bar graphs II >>
<b>10.4:</b> Hands On - Make Bar Graphs	
<b>10.5:</b> Read Tally Charts	
<b>10.6:</b> Hands On - Make Tally Charts	
<b>10.7:</b> Problem Solving - Represent Data	<b>0.1</b> Record data with tally charts, picture graphs, tables >> <b>0.2</b> Interpret data in tally charts, picture graphs, tables >>

# Chapter 11

## Three-Dimensional Geometry

Textbook section	IXL skills
<b>11.1:</b> Hands On - Three-Dimensional Shapes	<b>W.2</b> Name the three-dimensional shape >> <b>W.9</b> Shapes of everyday objects I >> <b>W.10</b> Shapes of everyday objects II >>
<b>11.2:</b> Hands On - Combine Three-Dimensional Shapes	
<b>11.3:</b> Hands On - Make New Three-Dimensional Shapes	
<b>11.4:</b> Problem Solving - Take Apart Three-Dimensional Shapes	
<b>11.5:</b> Hands On - Two-Dimensional Shapes on Three-Dimensional Shapes	<b>W.7</b> Identify shapes traced from solids >>

# Chapter 12

## Two-Dimensional Geometry

Textbook section	IXL skills
<b>12.1:</b> Sort Two-Dimensional Shapes	<b>V.3</b> <a href="#">Count sides and vertices &gt;&gt;</a>
<b>12.2:</b> Hands On - Describe Two-Dimensional Shapes	<b>V.1</b> <a href="#">Name the two-dimensional shape &gt;&gt;</a> <b>V.3</b> <a href="#">Count sides and vertices &gt;&gt;</a>
<b>12.3:</b> Hands On - Combine Two-Dimensional Shapes	
<b>12.4:</b> Combine More Shapes	
<b>12.5:</b> Problem Solving - Make New Two-Dimensional Shapes	
<b>12.6:</b> Hands On - Find Shapes in Shapes	
<b>12.7:</b> Take Apart Two-Dimensional Shapes	
<b>12.8:</b> Equal or Unequal Parts	<b>X.2</b> <a href="#">Equal parts - halves, thirds, and fourths &gt;&gt;</a>
<b>12.9:</b> Halves	
<b>12.10:</b> Fourths	