



# IXL Skill Alignment

2nd grade alignment for GO Math! 2015 Common Core Edition



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# Chapter 1

## Number Concepts

Textbook section	IXL skills
<b>Lesson 1.1:</b> Even and Odd Numbers	<ol style="list-style-type: none"> <li>1. Even or odd 54Z</li> <li>2. Identify numbers as even or odd RGJ</li> <li>3. Select even or odd numbers JLX</li> </ol>
<b>Lesson 1.2:</b> Represent Even Numbers	<ol style="list-style-type: none"> <li>1. Add doubles - complete the sentence S46</li> </ol>
<b>Lesson 1.3:</b> Understand Place Value	<ol style="list-style-type: none"> <li>1. Place value - tens and ones RSH</li> </ol>
<b>Lesson 1.4:</b> Expanded Form	<ol style="list-style-type: none"> <li>1. Convert to/from a number - tens and ones GDN</li> </ol>
<b>Lesson 1.5:</b> Different Ways to Write Numbers	<ol style="list-style-type: none"> <li>1. Writing numbers up to 100 in words - convert words to digits 2FT</li> <li>2. Writing numbers up to 100 in words - convert digits to words VPG</li> </ol>
<b>Lesson 1.6:</b> Different Names for Numbers	<ol style="list-style-type: none"> <li>1. Place value models - tens and ones HQR</li> </ol>
<b>Lesson 1.7:</b> Tens and Ones	<ol style="list-style-type: none"> <li>1. Regroup tens and ones - ways to make a number JKT</li> </ol>
<b>Lesson 1.8:</b> Counting Patterns Within 100	<ol style="list-style-type: none"> <li>1. Skip-counting by fives VHG</li> </ol>
<b>Lesson 1.9:</b> Counting Patterns Within 1,000	<ol style="list-style-type: none"> <li>1. Count forward - up to 1,000 88P</li> <li>2. Count forward by tens - up to 1,000 B86</li> <li>3. Skip-counting puzzles U6J</li> </ol>

# Chapter 2

## Numbers to 1,000

Textbook section	IXL skills
<b>Lesson 2.1:</b> Group Tens as Hundreds	
<b>Lesson 2.2:</b> Explore 3-Digit Numbers	
<b>Lesson 2.3:</b> Model 3-Digit Numbers	1. Place value models - up to hundreds PBX
<b>Lesson 2.4:</b> Hundreds, Tens, and Ones	1. Place value models - up to hundreds PBX 2. Convert to/from a number - up to hundreds HUX
<b>Lesson 2.5:</b> Place Value to 1,000	1. Identify a digit up to the hundreds place 45U 2. Place value - up to hundreds BDF
<b>Lesson 2.6:</b> Number Names	1. Writing numbers up to 1,000 in words - convert words to digits JKD 2. Writing numbers up to 1,000 in words - convert digits to words VPQ
<b>Lesson 2.7:</b> Different Forms of Numbers	1. Convert to/from a number - up to hundreds HUX 2. Convert from expanded form - up to hundreds LG5
<b>Lesson 2.8:</b> Different Ways to Show Numbers	
<b>Lesson 2.9:</b> Count On and Count Back by 10 and 100	1. Input/output tables - add and subtract by 10 WR2 2. Input/output tables - add and subtract by 100 C97 3. Input/output tables - add and subtract by 10 or 100 6XK
<b>Lesson 2.10:</b> Number Patterns	1. Count forward and backward by fives, tens, and hundreds R5A
<b>Lesson 2.11:</b> Compare Numbers	1. Greatest and least - word problems - up to 100 2F7 2. Greatest and least - word problems - up to 1,000 6QX



**Lesson 2.12:** Compare Numbers

1. Comparing numbers up to 1,000 XF9

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# Chapter 3

## Basic Facts and Relationships

Textbook section	IXL skills
<b>Lesson 3.1:</b> Use Double Facts	<ol style="list-style-type: none"> <li>Add doubles 8Z7</li> <li>Add doubles - complete the sentence S46</li> </ol>
<b>Lesson 3.2:</b> Practice Addition Facts	<ol style="list-style-type: none"> <li>Add one-digit numbers - sums to 10 M55</li> <li>Ways to make a number with addition - sums to 10 KKE</li> <li>Add one-digit numbers 5C6</li> <li>Complete the addition sentence - sums to 20 MQX</li> </ol>
<b>Lesson 3.3:</b> Make a Ten to Add	
<b>Lesson 3.4:</b> Add 3 Addends	<ol style="list-style-type: none"> <li>Add three one-digit numbers YCC</li> <li>Add three one-digit numbers: word problems VJ9</li> </ol>
<b>Lesson 3.5:</b> Relate Addition and Subtraction	<ol style="list-style-type: none"> <li>Fact families NSN</li> </ol>
<b>Lesson 3.6:</b> Practice Subtraction Facts	<ol style="list-style-type: none"> <li>Subtract one-digit numbers - up to 10 VY2</li> <li>Ways to subtract - up to 10 RHJ</li> <li>Subtract a one-digit number from a two-digit number up to 18 HSU</li> <li>Subtract zero/all ZG2</li> <li>Complete the subtraction sentence - up to 18 QS5</li> </ol>
<b>Lesson 3.7:</b> Use Ten to Subtract	
<b>Lesson 3.8:</b> Use Drawings to Represent Problems	<ol style="list-style-type: none"> <li>Addition word problems - sums to 20 EN6</li> <li>Subtraction word problems - up to 18 2FD</li> <li>Addition and subtraction word problems - up to 20 75R</li> </ol>

**Lesson 3.9:** Use Equations to Represent Problems

1. Addition sentences for word problems - sums to 20 VSF
  2. Subtraction sentences for word problems - up to 18 AZ8
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**Lesson 3.10:** Equal Groups**Lesson 3.11:** Repeated Addition

1. Identify repeated addition in arrays: sums to 10 F7E
  2. Write addition sentences for arrays: sums to 10 Z7N
  3. Identify repeated addition in arrays: sums to 25 EUS
  4. Write addition sentences for arrays: sums to 25 W8T
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# Chapter 4

## 2-Digit Addition

Textbook section	IXL skills
<b>Lesson 4.1:</b> Break Apart Ones to Add	<ol style="list-style-type: none"><li>1. Add a two-digit and a one-digit number - without regrouping EZ7</li><li>2. Add a two-digit and a one-digit number - with regrouping 8BT</li></ol>
<b>Lesson 4.2:</b> Use Compensation	<ol style="list-style-type: none"><li>1. Add two-digit numbers without regrouping - sums to 100 TX5</li><li>2. Add two-digit numbers with regrouping - sums to 100 GLX</li></ol>
<b>Lesson 4.3:</b> Break Apart Addends as Tens and Ones	<ol style="list-style-type: none"><li>1. Add two-digit numbers without regrouping - sums to 100 TX5</li><li>2. Add two-digit numbers with regrouping - sums to 100 GLX</li></ol>
<b>Lesson 4.4:</b> Model Regrouping for Addition	<ol style="list-style-type: none"><li>1. Add a two-digit and a one-digit number - without regrouping EZ7</li><li>2. Add a two-digit and a one-digit number - with regrouping 8BT</li><li>3. Add two-digit numbers without regrouping - sums to 100 TX5</li><li>4. Add two-digit numbers with regrouping - sums to 100 GLX</li></ol>
<b>Lesson 4.5:</b> Model and Record 2-Digit Addition	<ol style="list-style-type: none"><li>1. Add a two-digit and a one-digit number - without regrouping EZ7</li><li>2. Add a two-digit and a one-digit number - with regrouping 8BT</li><li>3. Add two-digit numbers without regrouping - sums to 100 TX5</li><li>4. Add two-digit numbers with regrouping - sums to 100 GLX</li></ol>
<b>Lesson 4.6:</b> 2-Digit Addition	<ol style="list-style-type: none"><li>1. Add a two-digit and a one-digit number - without regrouping EZ7</li><li>2. Add a two-digit and a one-digit number - with regrouping 8BT</li></ol>

**Lesson 4.7:** Practice 2-Digit Addition

1. Add two-digit numbers without regrouping - sums to 100 TX5
2. Add two-digit numbers with regrouping - sums to 100 GLX
3. Ways to make a number using addition S5E
4. Complete the addition sentence - up to two digits CZK

**Lesson 4.8:** Rewrite 2-Digit Addition**Lesson 4.9:** Addition

1. Addition word problems - up to two digits XAT

**Lesson 4.10:** Write Equations to Represent Addition

1. Addition sentences for word problems - sums to 20 VSF
2. Write addition sentences to describe pictures XJ5
3. Write the addition sentence - up to two digits 5FM

**Lesson 4.11:** Find Sums for 3 Addends

1. Add three numbers up to two digits each YTH
2. Add three numbers up to two digits each: word problems 52T

**Lesson 4.12:** Find Sums for 4 Addends

1. Add four numbers up to two digits each DP6
2. Add four numbers up to two digits each: word problems YSX



# Chapter 5

## 2-Digit Subtraction

Textbook section	IXL skills
<b>Lesson 5.1:</b> Break Apart Ones to Subtract	<ol style="list-style-type: none"><li>1. Subtract a one-digit number from a two-digit number - without regrouping L8D</li><li>2. Subtract a one-digit number from a two-digit number - with regrouping P85</li></ol>
<b>Lesson 5.2:</b> Break Apart Numbers to Subtract	<ol style="list-style-type: none"><li>1. Subtract two two-digit numbers - without regrouping R8C</li><li>2. Subtract two two-digit numbers - with regrouping TWE</li></ol>
<b>Lesson 5.3:</b> Model Regrouping for Subtraction	<ol style="list-style-type: none"><li>1. Subtract a one-digit number from a two-digit number - without regrouping L8D</li><li>2. Subtract a one-digit number from a two-digit number - with regrouping P85</li><li>3. Subtract two two-digit numbers - without regrouping R8C</li><li>4. Subtract two two-digit numbers - with regrouping TWE</li></ol>
<b>Lesson 5.4:</b> Model and Record 2-Digit Subtraction	<ol style="list-style-type: none"><li>1. Subtract a one-digit number from a two-digit number - without regrouping L8D</li><li>2. Subtract a one-digit number from a two-digit number - with regrouping P85</li><li>3. Subtract two two-digit numbers - without regrouping R8C</li><li>4. Subtract two two-digit numbers - with regrouping TWE</li></ol>
<b>Lesson 5.5:</b> 2-Digit Subtraction	<ol style="list-style-type: none"><li>1. Subtract a one-digit number from a two-digit number - without regrouping L8D</li><li>2. Subtract a one-digit number from a two-digit number - with regrouping P85</li></ol>
<b>Lesson 5.6:</b> Practice 2-Digit Subtraction	<ol style="list-style-type: none"><li>1. Subtract two two-digit numbers - without regrouping R8C</li><li>2. Subtract two two-digit numbers - with regrouping TWE</li></ol>

3. Ways to make a number using subtraction DTN
4. Complete the subtraction sentence - up to two digits YWC

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**Lesson 5.7:** Rewrite 2-Digit Subtraction

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**Lesson 5.8:** Add to Find Differences

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**Lesson 5.9:** Subtraction

1. Subtraction word problems - up to 18 2FD
2. Subtraction word problems - up to two digits UFU

**Lesson 5.10:** Write Equations to Represent Subtraction

1. Write subtraction sentences to describe pictures - up to 18 F8W
2. Subtraction sentences for word problems - up to 18 AZ8
3. Write subtraction sentences to describe pictures - up to two digits UBF
4. Write the subtraction sentence - up to two digits ZQH

**Lesson 5.11:** Solve Multistep Problems

1. Add three numbers up to two digits each: word problems 52T
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# Chapter 6

## 3-Digit Addition and Subtraction

Textbook section	IXL skills
<b>Lesson 6.1:</b> Draw to Represent 3-Digit Addition	1. Addition with three-digit numbers ETW
<b>Lesson 6.2:</b> Break Apart 3-Digit Addends	1. Addition with three-digit numbers ETW
<b>Lesson 6.3:</b> 3-Digit Addition: Regroup Ones	
<b>Lesson 6.4:</b> 3-Digit Addition: Regroup Tens	
<b>Lesson 6.5:</b> Addition: Regroup Ones and Tens	1. Addition with three-digit numbers ETW 2. Complete the addition sentence - up to three digits R5W 3. Regroup tens and ones - ways to make a number JKT 4. Regroup tens and ones 5LV
<b>Lesson 6.6:</b> 3-Digit Subtraction	1. Subtraction word problems - up to three digits ZMA
<b>Lesson 6.7:</b> 3-Digit Subtraction: Regroup Tens	
<b>Lesson 6.8:</b> 3-Digit Subtraction: Regroup Hundreds	
<b>Lesson 6.9:</b> Subtraction: Regroup Hundreds and Tens	1. Subtract three-digit numbers ZVR
<b>Lesson 6.10:</b> Regrouping with Zeros	1. Subtract three-digit numbers ZVR 2. Complete the subtraction sentence - up to three digits MDY

# Chapter 7

## Money and Time

Textbook section	IXL skills
<b>Lesson 7.1:</b> Dimes, Nickels, and Pennies	1. Count money - pennies, nickels, and dimes only AVN
<b>Lesson 7.2:</b> Quarters	
<b>Lesson 7.3:</b> Count Collections	1. Count money - up to \$1 DGK
<b>Lesson 7.4:</b> Show Amounts in Two Ways	1. Equivalent amounts of money - up to \$1 MGA 2. Exchanging money - with pictures VZD 3. Comparing groups of coins FVT
<b>Lesson 7.5:</b> One Dollar	1. How much more to make a dollar? V9L
<b>Lesson 7.6:</b> Amounts Greater Than \$1	1. Count money - up to \$5 3R8
<b>Lesson 7.7:</b> Money	1. Add money - up to \$1: word problems ZWJ 2. Subtract money - up to \$1: word problems ME9 3. Add and subtract money - up to \$1: word problems N5Y 4. Purchases - do you have enough money - up to \$1 F62 5. Purchases - do you have enough money - up to \$5 W79 6. Making change LYP
<b>Lesson 7.8:</b> Time to the Hour and Half Hour	1. Read clocks and write times: hour and half hour AQW
<b>Lesson 7.9:</b> Time to 5 minutes	1. Match digital clocks and times 36N 2. Match analog clocks and times D9K 3. Match analog and digital clocks HKL 4. Read clocks and write times K7F
<b>Lesson 7.10:</b> Practice Telling Time	1. Time words: o'clock, half, quarter 5TA



**Lesson 7.11:** A.M. and P.M.

1. A.M. or P.M. EJV

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# Chapter 8

## Length in Customary Units

Textbook section	IXL skills
<b>Lesson 8.1:</b> Measure with Inch Models	
<b>Lesson 8.2:</b> Make and Use a Ruler	
<b>Lesson 8.3:</b> Estimate Lengths in Inches	
<b>Lesson 8.4:</b> Measure with an Inch Ruler	1. Measure using an inch ruler 88A
<b>Lesson 8.5:</b> Add and Subtract in Inches	1. Customary units of length: word problems GSF
<b>Lesson 8.6:</b> Measure in Inches and Feet	
<b>Lesson 8.7:</b> Estimate Lengths in Feet	1. Which customary unit of length is appropriate: inches, feet, or yards? GKJ
<b>Lesson 8.8:</b> Choose a Tool	
<b>Lesson 8.9:</b> Display Measurement Data	1. Create line plots F2U

# Chapter 9

## Length in Metric Units

Textbook section	IXL skills
<b>Lesson 9.1:</b> Measure with a Centimeter Model	
<b>Lesson 9.2:</b> Estimate Lengths in Centimeters	
<b>Lesson 9.3:</b> Measure with a Centimeter Ruler	1. Measure using a centimeter ruler 7WA
<b>Lesson 9.4:</b> Add and Subtract Lengths	1. Metric units of length: word problems KJ5
<b>Lesson 9.5:</b> Centimeters and Meters	
<b>Lesson 9.6:</b> Estimate Lengths in Meters	1. Which metric unit of length is appropriate? SKH
<b>Lesson 9.7:</b> Measure and Compare Lengths	

# Chapter 10

## Data

Textbook section	IXL skills
<b>Lesson 10.1:</b> Collect Data	
<b>Lesson 10.2:</b> Read Picture Graphs	1. Interpret pictographs I QDT
<b>Lesson 10.3:</b> Make Picture Graphs	1. Create pictographs I NM5
<b>Lesson 10.4:</b> Read Bar Graphs	1. Interpret bar graphs I RPD 2. Interpret bar graphs II 8CH 3. Which bar graph is correct? BMG
<b>Lesson 10.5:</b> Make Bar Graphs	1. Create bar graphs 6KD
<b>Lesson 10.6:</b> Display Data	



# Chapter 11

## Geometry and Fraction Concepts

Textbook section	IXL skills
<b>Lesson 11.1:</b> Three-Dimensional Shapes	<ol style="list-style-type: none"> <li>1. Name the three-dimensional shape 9E9</li> <li>2. Select three-dimensional shapes FAL</li> <li>3. Shapes of everyday objects I 9VC</li> <li>4. Shapes of everyday objects II 63Q</li> </ol>
<b>Lesson 11.2:</b> Attributes of Three-Dimensional Shapes	<ol style="list-style-type: none"> <li>1. Count vertices, edges, and faces X72</li> <li>2. Compare vertices, edges, and faces DPT</li> <li>3. Identify faces of three-dimensional shapes QSR</li> <li>4. Identify shapes traced from solids MRD</li> </ol>
<b>Lesson 11.3:</b> Build three-Dimensional Shapes	
<b>Lesson 11.4:</b> Two-Dimensional Shapes	<ol style="list-style-type: none"> <li>1. Name the two-dimensional shape 2FK</li> <li>2. Select two-dimensional shapes DWL</li> <li>3. Count sides and vertices EAQ</li> </ol>
<b>Lesson 11.5:</b> Angles in Two-Dimensional Shapes	
<b>Lesson 11.6:</b> Sort Two-Dimensional Shapes	<ol style="list-style-type: none"> <li>1. Compare sides and vertices G9N</li> </ol>
<b>Lesson 11.7:</b> Partition Rectangles	<ol style="list-style-type: none"> <li>1. Area 73H</li> <li>2. Create figures with a given area XQT</li> </ol>
<b>Lesson 11.8:</b> Equal Parts	<ol style="list-style-type: none"> <li>1. Equal parts H5R</li> </ol>
<b>Lesson 11.9:</b> Show Equal Parts of a Whole	
<b>Lesson 11.10:</b> Describe Equal Parts	
<b>Lesson 11.11:</b> Equal Shares	