



IXL Skill Alignment

2nd grade alignment for GO Math! 2011 Common Core Edition



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/go-math-2011-common-core-edition-2nd-grade

This document includes the IXL® skill alignments to Houghton Mifflin Harcourt's *GO Math! 2011 Common Core Edition* 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 Houghton Mifflin Harcourt 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 for more information

IXL Learning © 2021

Chapter 1

Number Concepts

Textbook section	IXL skills
1.1: Even and Odd Numbers	<ol style="list-style-type: none"> 1. Even or odd 54Z 2. Identify numbers as even or odd RGJ 3. Select even or odd numbers JLX <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Even or odd numbers on number lines S8E
1.2: Represent Even Numbers	<ol style="list-style-type: none"> 1. Add doubles using models S57 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Add doubles 8Z7 • Add doubles - complete the sentence S46
1.3: Understand Place Value	<ol style="list-style-type: none"> 1. Place value - tens and ones RSH <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Place value models - tens and ones HQR
1.4: Expanded Form	<ol style="list-style-type: none"> 1. Convert to/from a number - tens and ones GDN <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Place value models - tens and ones HQR
1.5: Different Ways to Write Numbers	<ol style="list-style-type: none"> 1. Convert to/from a number - tens and ones GDN
1.6: Different Names for Numbers	<ol style="list-style-type: none"> 1. Convert to/from a number - tens and ones GDN
1.7: Problem Solving: Tens and Ones	<ol style="list-style-type: none"> 1. Regroup tens and ones - ways to make a number JKT 2. Regroup tens and ones 5LV
1.8: Counting Patterns Within 100	<ol style="list-style-type: none"> 1. Hundreds chart LHN <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Skip-counting stories SSL • Skip-counting sequences MV8



- Count forward and backward by fives and tens 8JK
- Skip-counting puzzles U6J

1.9: Counting Patterns Within 1,000

1. Count forward and backward by fives, tens, and hundreds R5A
-

Chapter 2

Numbers to 1,000

Textbook section	IXL skills
2.1: Group Tens as Hundreds	
2.2: Explore 3-Digit Numbers	
2.3: Hands On - Model 3-Digit Numbers	1. Place value models - up to hundreds PBX 2. Convert to/from a number - up to hundreds HUX
2.4: Hundreds, Tens, and Ones	1. Place value models - up to hundreds PBX 2. Convert to/from a number - up to hundreds HUX
2.5: Place Value to 1,000	1. Place value models - up to hundreds PBX
2.6: Number Names	1. Writing numbers up to 100 in words - convert words to digits 2FT 2. Writing numbers up to 1,000 in words - convert words to digits JKD <i>Also consider</i> <ul style="list-style-type: none"> Convert from expanded form - up to hundreds LG5
2.7: Different Forms of Numbers	1. Convert to/from a number - up to hundreds HUX <i>Also consider</i> <ul style="list-style-type: none"> Convert from expanded form - up to hundreds LG5
2.8: Different Ways to Show Numbers	1. Place value models - up to thousands E6N
2.9: Count On and Count Back by 10 and 100	
2.10: Number Patterns	1. Skip-counting sequences MV8
2.11: Problem Solving: Compare Numbers	1. Comparing numbers up to 100 G7F 2. Comparing numbers up to 1,000 XF9

Also consider

- Greatest and least - word problems - up to 100 2F7
- Greatest and least - word problems - up to 1,000 6QX

2.12: Algebra - Compare Numbers

1. Comparing numbers up to 1,000 XF9

Also consider

- Put numbers up to 100 in order LK6
 - Put numbers up to 1,000 in order 3N2
-

Chapter 3

Basic Facts and Relationships

Textbook section	IXL skills
3.1: Use Doubles Facts	<ol style="list-style-type: none"> Add doubles using models S57 Add doubles 8Z7 Add doubles - complete the sentence S46
3.2: Practice Addition Facts	<ol style="list-style-type: none"> Add one-digit numbers - sums to 10 M55 Addition with pictures - sums to 20 PM8 Add one-digit numbers 5C6 Add zero YEY Add doubles 8Z7 Addition word problems - sums to 20 EN6 <p><i>Also consider</i></p> <ul style="list-style-type: none"> Ways to make a number with addition - sums to 10 KKE Complete the addition sentence - sums to 20 MQX
3.3: Make a Ten to Add	<ol style="list-style-type: none"> Complete the addition sentence - sums to 20 MQX Balance addition equations - sums to 20 6LC
3.4: Add 3 Addends	<ol style="list-style-type: none"> Add three one-digit numbers YCC Add three one-digit numbers: word problems VJ9
3.5: Relate Addition and Subtraction	<ol style="list-style-type: none"> Fact families NSN <p><i>Also consider</i></p> <ul style="list-style-type: none"> Related addition facts YDX Related subtraction facts P6Y
3.6: Practice Subtraction Facts	<ol style="list-style-type: none"> Subtract one-digit numbers - up to 10 VY2 Subtraction with pictures XUG Subtract a one-digit number from a two-digit number up to 18 HSU

4. Subtraction input/output tables - up to 18 8C3
5. Subtract zero/all ZG2

Also consider

- Ways to subtract - up to 10 RHJ
- Complete the subtraction sentence - up to 18 QS5
- Subtraction sentences: which is true? UY2

3.7: Use Ten to Subtract

3.8: Use Drawings to Represent Problems

3.9: Use Equations to Represent Problems

1. Addition word problems - sums to 20 EN6
2. Addition sentences for word problems - sums to 20 VSF
3. Subtraction word problems - up to 18 2FD
4. Subtraction sentences for word problems - up to 18 AZ8

3.10: Problem Solving - Equal Groups

1. Addition word problems - sums to 20 EN6

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

Chapter 4

2-Digit Addition

Textbook section	IXL skills
4.1: Break Apart Ones to Add	1. Add a two-digit and a one-digit number - with regrouping 8BT
4.2: Use Compensation	1. Place value models - tens and ones HQR
4.3: Break Apart Addends as Tens and Ones	1. Place value models - up to hundreds PBX 2. Convert to/from a number - up to hundreds HUX
4.4: Model Regrouping for Addition	
4.5: Model and Record 2-Digit Addition	
4.6: 2-Digit Addition	1. Add a two-digit and a one-digit number - with regrouping 8BT 2. Add two-digit numbers without regrouping - sums to 100 TX5 3. Add two-digit numbers with regrouping - sums to 100 GLX 4. Complete the addition sentence - up to two digits CZK
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
4.8: Rewrite 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
4.9: Problem Solving: Addition	1. Addition word problems - up to two digits XAT 2. Write the addition sentence - up to two digits 5FM

4.10: Write Equations to Represent Addition

1. Addition word problems - up to two digits XAT
 2. Complete the addition sentence - up to two digits CZK
 3. Write the addition sentence - up to two digits 5FM
-

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
-

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
5.1: Break Apart Ones to Subtract	<ol style="list-style-type: none"> 1. Subtract a one-digit number from a two-digit number - with regrouping P85
5.2: Break Apart Numbers to Subtract	<ol style="list-style-type: none"> 1. Subtract two two-digit numbers - without regrouping R8C 2. Subtract two two-digit numbers - with regrouping TWE
5.3: Model Regrouping for Subtraction	
5.4: Model and Record 2-Digit Subtraction	<ol style="list-style-type: none"> 1. Subtract a one-digit number from a two-digit number - without regrouping L8D 2. Subtract a one-digit number from a two-digit number - with regrouping P85 3. Subtract two two-digit numbers - without regrouping R8C 4. Subtract two two-digit numbers - with regrouping TWE
5.5: 2-Digit Subtraction	<ol style="list-style-type: none"> 1. Subtract two two-digit numbers - without regrouping R8C 2. Subtract two two-digit numbers - with regrouping TWE <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Complete the subtraction sentence - up to two digits YWC
5.6: Practice 2-Digit Subtraction	<ol style="list-style-type: none"> 1. Subtract two two-digit numbers - without regrouping R8C 2. Subtract two two-digit numbers - with regrouping TWE
5.7: Rewrite 2-Digit Subtraction	<ol style="list-style-type: none"> 1. Subtract two two-digit numbers - without regrouping R8C 2. Subtract two two-digit numbers - with regrouping TWE

5.8: Add to Find Differences

5.9: Problem Solving: Subtraction

1. Subtraction word problems - up to two digits UFU
 2. Write the subtraction sentence - up to two digits ZQH
-

5.10: Write Equations to Represent Subtraction

1. Subtraction word problems - up to two digits UFU
 2. Complete the subtraction sentence - up to two digits YWC
 3. Write the subtraction sentence - up to two digits ZQH
-

5.11: Solve Multistep Problems

Chapter 6

3-Digit Addition and Subtraction

Textbook section	IXL skills
6.1: Draw to Represent 3-Digit Addition	1. Place value models - up to hundreds PBX
6.2: Break Apart 3-Digit Addends	1. Convert to/from a number - up to hundreds HUX 2. Convert from expanded form - up to hundreds LG5
6.3: 3-Digit Addition: Regroup Ones	
6.4: 3-Digit Addition: Regroup Tens	
6.5: Addition: Regroup Ones and Tens	1. Addition with three-digit numbers ETW 2. Addition word problems - up to three digits UV2 <i>Also consider</i> • Complete the addition sentence - up to three digits R5W
6.6: Problem Solving: 3-Digit Subtraction	1. Write the subtraction sentence - up to three digits 5B3
6.7: 3-Digit Subtraction: Regroup Tens	
6.8: 3-Digit Subtraction: Regroup Hundreds	
6.9: Subtraction: Regroup Hundreds and Tens	1. Subtraction word problems - up to three digits ZMA <i>Also consider</i> • Complete the subtraction sentence - up to three digits MDY • Write the subtraction sentence - up to three digits 5B3
6.10: Regrouping with Zeros	1. Subtract three-digit numbers ZVR 2. Subtraction word problems - up to three digits ZMA

Chapter 7

Money and Time

Textbook section	IXL skills
7.1: Dimes, Nickels, and Pennies	1. Count money - pennies, nickels, and dimes only AVN
7.2: Quarters	1. Names and values of common coins 2QM 2. Count money - up to \$1 DGK <i>Also consider</i> • Equivalent amounts of money - up to \$1 MGA
7.3: Count Collections	1. Count money - up to \$1 DGK
7.4: Show Amounts in Two Ways	1. Equivalent amounts of money - up to \$1 MGA <i>Also consider</i> • Exchanging money - with pictures VZD • Comparing groups of coins FVT
7.5: One Dollar	1. How much more to make a dollar? V9L
7.6: Amounts Greater than \$1	1. Count money - up to \$5 3R8 2. Equivalent amounts of money - up to \$1 MGA
7.7: Problem Solving: Money	1. Add money - up to \$1 6X3 2. Add money - up to \$1: word problems ZWJ
7.8: Time to the Hour and Half Hour	1. Read clocks and write times: hour and half hour AQW
7.9: Time to 5 Minutes	1. Match analog and digital clocks HKL 2. Read clocks and write times K7F
7.10: Practice Telling Time	1. Match analog clocks and times D9K 2. Match analog and digital clocks HKL 3. Read clocks and write times K7F 4. Time words: o'clock, half, quarter 5TA



Also consider

- Compare clocks UFP

7.11: A.M. and P.M.

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

Chapter 8

Length in Customary Units

Textbook section	IXL skills
8.1: Measure with Inch Models	
8.2: Make and Use a Ruler	
8.3: Estimate Lengths in Inches	
8.4: Measure with an Inch Ruler	1. Measure using an inch ruler 88A
8.5: Problem Solving: Add and Subtract in Inches	1. Customary units of length: word problems GSF
8.6: Hands On - Measure in Inches and Feet	
8.7: Estimate Lengths in Feet	
8.8: Choose a Tool	
8.9: Display Measurement Data	1. Interpret line plots HY6 2. Create line plots F2U

Chapter 9

Length in Metric Units

Textbook section	IXL skills
9.1: Measure with a Centimeter Model	
9.2: Estimate Lengths in Centimeters	
9.3: Hands On - Measure with a Centimeter Ruler	1. Measure using a centimeter ruler 7WA
9.4: Problem Solving: Add and Subtract Lengths	1. Metric units of length: word problems KJ5
9.5: Centimeters and Meters	
9.6: Estimate Lengths in Meters	
9.7: Measure and Compare Lengths	

Chapter 10

Data

Textbook section	IXL skills
10.1: Collect Data	1. Interpret tally charts 2VQ
10.2: Read Picture Graphs	1. Interpret pictographs II YL6
10.3: Make Picture Graphs	1. Create pictographs II P2T
10.4: Read Bar Graphs	1. Interpret bar graphs II 8CH
10.5: Make Bar Graphs	1. Which bar graph is correct? BMG 2. Create bar graphs 6KD
10.6: Problem Solving: Display Data	1. Interpret bar graphs II 8CH 2. Interpret pictographs II YL6

Chapter 11

Geometry and Fraction Concepts

Textbook section	IXL skills
11.1: Three-Dimensional Shapes	1. Name the three-dimensional shape 9E9
11.2: Attributes of Three-Dimensional Shapes	1. Count vertices, edges, and faces X72 2. Compare vertices, edges, and faces DPT
11.3: Two-Dimensional Shapes	1. Name the two-dimensional shape 2FK
11.4: Angles in Two-Dimensional Shapes	1. Count sides and vertices EAQ <i>Also consider</i> <ul style="list-style-type: none">• Compare sides and vertices G9N
11.5: Sort Two-Dimensional Shapes	
11.6: Partition Rectangles	1. Area 73H
11.7: Equal Parts	1. Identify halves, thirds, and fourths 24W
11.8: Show Equal Parts of a Whole	1. Equal parts H5R 2. Identify halves, thirds, and fourths 24W
11.9: Describe Equal Parts	
11.10: Problem Solving: Equal Shares	