



IXL Skill Alignment

2nd grade alignment for Go Math! (2023)



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-2023-common-core-edition-2nd-grade

This document includes the IXL® skill alignments to Houghton Mifflin Harcourt's **Go Math! (2023)** 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](https://www.ixl.com) for more information

IXL Learning © 2026

Chapter 1

Understand Place Value

Textbook section	IXL skills
Lesson 1: Group Tens as Hundreds	1. Convert between place values - tens and hundreds 74S
Lesson 2: Explore 3-Digit Numbers	1. Convert between place values - ones, tens, and hundreds M6X
Lesson 3: Model 3-Digit Numbers	1. Place value models up to hundreds: find the model CGY
Lesson 4: Hundreds, Tens, and Ones	1. Place value models up to hundreds: find the number EQV
Lesson 5: Place Value to 1,000	1. Identify a digit up to the hundreds place 45U 2. Value of a digit - up to hundreds BDF
Lesson 6: Word Form for Numbers	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
Lesson 7: Different Forms of Numbers	1. Convert to/from a number - up to hundreds HUX 2. Convert between standard and expanded form DZB
Lesson 8: Different Ways to Show Numbers	1. Regroup hundreds, tens, and ones - ways to make a number F6P

Chapter 2

Use Place Value

Textbook section	IXL skills
Lesson 1: Counting Patterns Within 100	1. Hundred chart LHN 2. Skip-count by fives and tens FVF 3. Count forward and backward by fives and tens 8JK
Lesson 2: Counting Patterns Within 1,000	1. Count forward - up to 1,000 88P 2. Count forward by tens - up to 1,000 B86 3. Count forward by fives, tens, and hundreds ET8
Lesson 3: Count on and Count Back by 10 and 100	1. Add 10 or 100 to a three-digit number K8E 2. Subtract 10 or 100 from a three-digit number RXY <i>Also consider</i> • Input/output tables - add and subtract by 10 WR2 • Input/output tables - add and subtract by 100 C97 • Input/output tables - add and subtract by 10 or 100 6XK
Lesson 4: Compare Numbers	1. Comparing numbers up to 1,000 using words SKJ
Lesson 5: Use a Number Line to Compare Numbers	2. Greatest and least - word problems - up to 1,000 6QX
Lesson 6: Use Symbols to Compare Numbers	1. Comparing numbers up to 1,000 using symbols HRC <i>Also consider</i> • Put numbers up to 1,000 in order 3N2
Lesson 7: Order Numbers	1. Put numbers up to 1,000 in order 3N2

Chapter 3

Basic Facts

Textbook section	IXL skills
Lesson 1: Use Doubles Facts to Add	- Add doubles 8Z7 - Add near doubles A8U
Lesson 2: Practice Addition Facts	- Add one-digit numbers - sums to 20 5C6 - Add zero YEY - Related addition facts YDX <i>Also consider</i> - Complete the addition sentence - sums to 20 MQX - Balance addition equations - sums to 20 6LC - Which addition sentence is true? - sums to 20 GMN
Lesson 3: Make a Ten to Add	- Make ten to add YJE - Addition word problems - sums to 20 EN6 <i>Also consider</i> - Addition sentences for word problems - sums to 20 VSF - Addition sentences using number lines - sums to 20 FXF
Lesson 4: Relate Addition and Subtraction	- Relate addition and subtraction sentences PRS - Subtract doubles BEV <i>Also consider</i> - Related subtraction facts P6Y - Fact families NSN
Lesson 5: Practice Subtraction Facts	- Subtract a one-digit number from a two-digit number up to 20 HSU - Subtract zero or all ZG2

Lesson 6: Use Ten to Subtract*Also consider*

- Complete the subtraction sentence - up to 20 QS5
- Balance subtraction equations - up to 20 HFK
- Which subtraction sentence is true? - up to 20 UY2

1. Use ten frames to subtract C48
2. Use ten to subtract ZUW
3. Subtraction sentences using number lines - up to 20 GUZ
4. Subtraction word problems - up to 20 2FD

Also consider

- Subtraction sentences for word problems - up to 20 AZ8
- Addition and subtraction - up to 20 QQP
- Ways to make a number using addition and subtraction - up to 20 PD7
- Balance addition and subtraction equations - up to 20 F99
- Which addition or subtraction sentence is true? - up to 20 KP6

Lesson 7: Use Equations to Represent Problems

1. Match word problems to addition and subtraction sentences - up to 20 ZCU
2. Addition and subtraction sentences for word problems - up to 20 KKC

Chapter 4

Equal Groups

Textbook section	IXL skills
Lesson 1: Even and Odd Numbers	1. Even or odd number of shapes - up to 20 54Z 2. Identify even and odd numbers - up to 20 NLH 3. Identify even and odd numbers - up to 100 RGJ 4. Select even and odd numbers - up to 100 JLX
Lesson 2: Represent Even Numbers	1. Add doubles using models S57 2. Add doubles - complete the sentence S46
Lesson 3: Equal Groups	1. Count equal groups LHS 2. Solve word problems using repeated addition - sums to 25 Y8S
Lesson 4: Repeated Addition	1. Identify repeated addition for arrays - sums to 25 EUS 2. Write addition sentences for arrays - sums to 25 W8T 3. Write addition sentences for arrays in two ways CXL <i>Also consider</i> • Identify repeated addition for equal groups - sums to 25 MQP • Write addition sentences for equal groups - sums to 25 G2Y

Chapter 5

2-Digit Addition

Textbook section	IXL skills
Lesson 1: Break Apart Ones to Add	1. Break apart a one-digit number to add YBH 2. Use models to add a two-digit and a one-digit number - with regrouping URQ 3. Add a two-digit and a one-digit number - with regrouping 8BT <i>Also consider</i> • Use models to add a two-digit and a one-digit number - without regrouping QC9 • Add a two-digit and a one-digit number - without regrouping EZ7
Lesson 2: Use Compensation	1. Break apart a two-digit number to add - sums to 100 YXZ <i>Also consider</i> • Use compensation to add on a number line - up to two digits WNM • Use compensation to add - up to two digits SCF
Lesson 3: Break Apart Addends as Tens and Ones	1. Use number lines to add two-digit numbers HBW 2. Use place value to add two-digit numbers - with regrouping EMH 3. Use place value to add two-digit numbers - without regrouping NPN
Lesson 4: Model Regrouping for Addition	1. Use models to add two-digit numbers - with regrouping QL8
Lesson 5: Model and Record 2-Digit Addition	1. Add two-digit numbers with regrouping - sums to 100 GLX

Chapter 6

More 2-Digit Addition

Textbook section	IXL skills
Lesson 1: 2-Digit Addition	1. Add two-digit numbers vertically - sums to 100 LZJ
Lesson 2: Practice 2-Digit Addition	2. Addition input/output tables - up to two digits 5NL
	<i>Also consider</i>
	• Ways to make a number using addition S5E
Lesson 3: Rewrite 2-Digit Addition	1. Add two-digit numbers - sums to 100 PLW
	2. Addition word problems - up to two digits XAT
Lesson 4: Model Addition	1. Use models to solve word problems involving addition situations - up to 100 YFX
	<i>Also consider</i>
	• Addition word problems - up to two digits XAT
Lesson 5: Write Equations to Represent Addition	1. Word problems involving addition situations - up to 100 HQX
	<i>Also consider</i>
	• Write the addition sentence - sums to 99 5AD
	• Write addition sentences to describe pictures XJ5
Lesson 6: Find Sums for 3 Addends	1. Add three numbers up to two digits each YTH
	2. Addition word problems - three numbers up to two digits each 52T
Lesson 7: Find Sums for 4 Addends	1. Add four numbers vertically - up to two digits each G7A
	2. Addition word problems - four numbers up to two digits each YSX

Chapter 7

2-Digit Subtraction

Textbook section

IXL skills

Lesson 1: Break Apart Ones to Subtract

1. Break apart a one-digit number to subtract P2C
2. Use models to subtract a one-digit number from a two-digit number - with regrouping MU8
3. Subtract a one-digit number from a two-digit number - with regrouping P85

Also consider

- Use models to subtract a one-digit number from a two-digit number - without regrouping WKG
- Subtract a one-digit number from a two-digit number - without regrouping L8D

Lesson 2: Break Apart Numbers to Subtract

1. Break apart a two-digit number to subtract 9WW
2. Use models to subtract two-digit numbers - without regrouping SKW
3. Subtract two-digit numbers - without regrouping R8C

Also consider

- Use number lines to subtract two-digit numbers BA7
- Use compensation to subtract on a number line - up to two digits NFC
- Use compensation to subtract - up to two digits 6TE
- Subtract a multiple of 10 from a two-digit number 2Q6

Lesson 3: Model Regrouping for Subtraction

1. Use models to subtract two-digit numbers - with regrouping EVB

Lesson 4: Model and Record 2-Digit Subtraction

1. Use place value to subtract two-digit numbers - with regrouping Y7U
2. Subtract two-digit numbers - with regrouping TWE

Also consider

- Use place value to subtract two-digit numbers - without regrouping 6C6

Chapter 8

More 2-Digit Subtraction

Textbook section	IXL skills
Lesson 1: 2-Digit Subtraction	1. Subtract two-digit numbers vertically FWD
Lesson 2: Practice 2-Digit Subtraction	2. Subtraction input/output tables - up to two digits NJ5
Lesson 3: Rewrite 2-Digit Subtraction	1. Subtract from two-digit numbers 5EL
Lesson 4: Add to Find Differences	1. Count on to subtract two-digit numbers ZV7 2. Relate addition and subtraction sentences - up to two digits 7NX
Lesson 5: Model Subtraction	1. Use models to solve word problems involving subtraction situations - up to 100 DHA <i>Also consider</i> • Subtraction word problems - up to two digits UFU
Lesson 6: Write Equations to Represent Subtraction	1. Write the subtraction sentence - up to two digits ZQH <i>Also consider</i> • Write subtraction sentences to describe pictures - up to two digits UBF

Chapter 9

2-Digit Addition and Subtraction

Textbook section	IXL skills
Lesson 1: Models for Multi-Step Problems	- Two-step addition and subtraction word problems - up to 100 7P8 <i>Also consider</i> - Use models to solve addition and subtraction word problems - up to 100 KT7 - Match addition and subtraction word problems to equations - up to 100 VHC - Addition and subtraction word problems - up to 100 MEP
Lesson 2: Write Problem Situations	Match word problems to addition and subtraction sentences - up to 20 ZCU
Lesson 3: Balance Number Sentences	- Balance addition equations - up to two digits NH7 - Balance subtraction equations - up to two digits SRC
Lesson 4: Equal and Not Equal	

Chapter 10

3-Digit Addition and Subtraction

Textbook section	IXL skills
Lesson 1: Draw to Represent 3-Digit Addition	1. Use models to add three-digit numbers - without regrouping Q7V 2. Use models to add three-digit numbers - regroup tens or ones 52B 3. Use number lines to add three-digit numbers CVM <i>Also consider</i> • Add a multiple of 10 or 100 to a three-digit number RCJ
Lesson 2: Break Apart 3-Digit Addends	1. Use models to add three-digit numbers - regroup tens or ones 52B 2. Use expanded form to add three-digit numbers XTU
Lesson 3: 3-Digit Addition: Regroup Ones	1. Use models to add three-digit numbers - regroup ones 7JN 2. Add a one-digit number and a three-digit number RXE
Lesson 4: 3-Digit Addition: Regroup Tens	1. Use models to add three-digit numbers - regroup tens PNX 2. Add a two-digit number and a three-digit number - with regrouping CYX
Lesson 5: Addition: Regroup Ones and Tens	1. Use models to add three-digit numbers - regroup tens and ones 8R8 2. Addition with three-digit numbers - with regrouping 7G7 3. Complete the addition sentence - up to three digits R5W <i>Also consider</i> • Add three-digit numbers vertically 7DG • Use compensation to add - up to three digits 89B

- Addition word problems - up to three digits UV2
- Write the addition sentence - up to three digits PQT
- Balance addition equations - up to three digits 5U9

Lesson 6: 3-Digit Subtraction

1. Break apart a three-digit number to subtract CL8
2. Use number lines to subtract three-digit numbers C75
3. Use models to subtract from three-digit numbers - without regrouping 55T
4. Use models to subtract from three-digit numbers - with regrouping GHQ
5. Subtract from three-digit numbers ZVR

Also consider

- Subtract a multiple of 10 or 100 from a three-digit number VVM

Lesson 7: 3-Digit Subtraction: Regroup Tens

1. Subtract three-digit numbers - regroup tens N47

Also consider

- Use models to subtract from three-digit numbers without zeros - with regrouping HCT
- Use expanded form to subtract three-digit numbers - with regrouping R9F

Lesson 8: 3-Digit Subtraction: Regroup Hundreds

1. Subtract three-digit numbers - regroup hundreds MQ5

Lesson 9: 3-Digit Subtraction: Regroup Hundreds and Tens

1. Subtract from three-digit numbers - with regrouping E8A
2. Subtract from three-digit numbers - regroup tens and hundreds WJP
3. Complete the subtraction sentence - up to three digits MDY

Also consider

- Subtract from three-digit numbers vertically JRW
- Subtraction word problems - up to three digits ZMA

- Write the subtraction sentence - up to three digits 5B3
- Balance subtraction equations - up to three digits LSU

Lesson 10: Regrouping with Zeros

1. Use models to subtract from three-digit numbers with zeros - with regrouping AAC
 2. Subtract across zeros 9G5
-

Chapter 11

Money

Textbook section	IXL skills
Lesson 1: Find the Total Coin Value	1. Count money up to \$1 DGK <i>Also consider</i> Names and values of common coins 2QM
Lesson 2: Equal Amounts	1. Equivalent amounts of money up to \$1 MGA 2. Exchanging money - with pictures VZD 3. Exchanging money 29V <i>Also consider</i> Exchanging money II FVT
Lesson 3: One Dollar	1. How much more to make a dollar? V9L
Lesson 4: One, Five, and Ten Dollar Bills	1. Skip-count \$1, \$5, or \$10 bills R52
Lesson 5: Compute the Value of Dollar Combinations	1. Count money up to \$100 - bills YPH
Lesson 6: Solve Problems Involving Money	1. Add and subtract money up to \$1: word problems N5Y 2. Do you have enough money? - up to \$5 W79 3. Correct amount of change LQ7 <i>Also consider</i> - Add and subtract money up to \$1 LYC - Making change LYP

Chapter 12

Time

Textbook section	IXL skills
Lesson 1: Time to 15 Minutes	1. Read clocks and write times to 15 minutes HLH
Lesson 2: 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
Lesson 3: Practice Telling Time	1. Read clocks and write times K7F 2. Time words: o'clock, half, quarter 5TA
Lesson 4: A.M. and P.M.	1. A.M. or P.M. EJW

Chapter 13

Length in Customary Units

Textbook section	IXL skills
Lesson 1: Measure with Inch Models	1. Measure length with inch cubes ZUR
Lesson 2: Make and Use a Ruler	
Lesson 3: Estimate Lengths in Inches	1. Measure using an inch ruler 88A
Lesson 4: Measure with an Inch Ruler	
Lesson 5: Add and Subtract Lengths in Inches	1. Compare lengths in inches YXL
Lesson 6: Measure in Inches and Feet	1. Measure with different customary units: inches and feet XU9
Lesson 7: Estimate Lengths in Feet	1. Estimate lengths with inches and feet SDC 2. Which customary unit of length is appropriate: inches or feet? 5XG
Lesson 8: Estimate and Measure to the Nearest Yard	1. Which customary unit of length is appropriate: feet or yards? EBW
Lesson 9: Estimate Lengths to Solve Problems	1. Customary units of length: word problems GSF
Lesson 10: Choose a Tool	1. Choose the best measuring tool: customary units of length 8SB 2. Which customary unit of length is appropriate: inches, feet, or yards? GKJ
Lesson 11: Display Measurement Data	1. Interpret line plots HY6 2. Create line plots F2U

Chapter 14

Length in Metric Units

Textbook section	IXL skills
Lesson 1: Measure with a Centimeter Model	1. Measure length with objects G92
Lesson 2: Estimate Lengths in Centimeters	1. Measure using a centimeter ruler 7WA
Lesson 3: Measure with a Centimeter Ruler	
Lesson 4: Add and Subtract Lengths in Centimeters	1. Compare lengths in centimeters KBA
Lesson 5: Centimeters and Meters	1. Choose the best measuring tool: metric units of length 26F
Lesson 6: Estimate Lengths in Meters	1. Estimate lengths with centimeters and meters 5BF 2. Which metric unit of length is appropriate? SKH
Lesson 7: Measure and Compare Lengths	1. Measure to compare length in centimeters YRD <i>Also consider</i> • Measure to compare length in inches DMP

Chapter 15

Geometry

Textbook section	IXL skills
Lesson 1: Three-Dimensional Shapes	1. Name the three-dimensional shape 9E9 2. Select three-dimensional shapes FAL 3. Three-dimensional shapes in the real world I 9VC <i>Also consider</i> • Three-dimensional shapes in the real world II 63Q
Lesson 2: Attributes of Three-Dimensional Shapes	1. Count vertices, edges, and faces X72 2. Identify faces of three-dimensional shapes QSR <i>Also consider</i> • Compare vertices, edges, and faces DPT • Identify shapes traced from solids MRD
Lesson 3: Two-Dimensional Figures	1. Open and closed shapes PCC 2. Name polygons: up to 6 sides HUA 3. Classify polygons: up to 6 sides QUQ
Lesson 4: More Two-Dimensional Figures	1. Name polygons: up to 8 sides M5Z 2. Classify polygons: up to 8 sides T2J 3. Count sides and vertices EAQ <i>Also consider</i> • Compare sides and vertices G9N
Lesson 5: Draw Two-Dimensional Figures	1. Draw polygons 5LU
Lesson 6: Sort Two-Dimensional Shapes	1. Compose two-dimensional shapes QPK 2. Compare sides and vertices G9N 3. Sort two-dimensional shapes ZNH

Lesson 7: Partition Rectangles

1. Tile a rectangle with squares 2VD
2. Count the number of squares in a rectangle TMY

Also consider

- Area 73H
 - Select figures with a given area KLV
 - Create rectangles with a given area G6Y
-

Chapter 16

Fraction Concepts

Textbook section	IXL skills
Lesson 1: Equal Parts	1. Equal parts H5R 2. Identify halves, thirds, and fourths 24W
Lesson 2: Show Equal Parts of a Whole	1. Make halves, thirds, and fourths QD2
Lesson 3: Describe Equal Parts	1. Identify a half, a third, and a fourth PZG
Lesson 4: Equal Shares	1. Make halves, thirds, and fourths in different ways 6SG

Chapter 17

Data

Textbook section	IXL skills
Lesson 1: Collect and Represent Data	- Which tally chart is correct? 9DN - Interpret tally charts 2VQ <i>Also consider</i> - Record data in tables 89J - Interpret data in tables PBZ
Lesson 2: Read Picture Graphs	- Introduction to picture graphs S7A - Interpret picture graphs QDT <i>Also consider</i> - Interpret scaled picture graphs YL6
Lesson 3: Make Picture Graphs	- Create picture graphs NM5 <i>Also consider</i> - Create scaled picture graphs P2T
Lesson 4: Read Bar Graphs	- Interpret bar graphs I RPD - Interpret horizontal bar graphs QQF - Interpret bar graphs II 8CH
Lesson 5: Make Bar Graphs	- Create bar graphs 6KD - Create bar graphs II RGN
Lesson 6: Practice Picture and Bar Graphs	- Which bar graph is correct? BMG - Which picture graph is correct? SAM <i>Also consider</i> - Convert between bar graphs and tables 6WP