



IXL Skill Alignment

2nd grade alignment for Everyday Mathematics Fourth 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/everyday-mathematics-fourth-edition-2nd-grade

This document includes the IXL® skill alignments to McGraw-Hill's *Everyday Mathematics Fourth 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 McGraw-Hill 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

Unit 1

Establishing Routines

Textbook section	IXL skills
1-1: Numbers All Around	1. Number lines - up to 100 T6D 2. Put numbers up to 100 in order LK6 <i>Also consider</i> <ul style="list-style-type: none"> Number lines - up to 1,000 KFQ Put numbers up to 1,000 in order 3N2
1-2: Number Lines and Partnership Principles	1. Addition sentences using number lines - sums up to 20 FXF 2. Subtraction sentences using number lines - up to 20 GUZ
1-3: Math Tools	1. Count money - pennies, nickels, and dimes only AVN 2. Equivalent amounts of money - pennies, nickels, and dimes PME
1-4: Class Number Scroll	1. Hundred chart - fill in the missing numbers 8KA
1-5: Number-Grid Puzzles	1. Hundreds chart LHN
1-6: Equivalent Names for Numbers	1. Ways to make a number using addition S5E 2. Ways to make a number using subtraction DTN
1-7: Playing Fishing for 10	1. Complete the addition sentence - make ten E78 <i>Also consider</i> <ul style="list-style-type: none"> Skip-counting by tens 5PY
1-8: My Reference Book, Quarters, and Math Boxes	1. Count money - up to \$1 DGK 2. Exchanging coins - with pictures QRT <i>Also consider</i> <ul style="list-style-type: none"> Skip-counting by fives VHG

1-9: Even and Odd Number Patterns

1. Even or odd 54Z
2. Identify numbers as even or odd RGJ

Also consider

- Even or odd numbers on number lines S8E

1-10: Skip-Counting Patterns

1. Skip-counting by twos, fives, and tens CBC

Also consider

- Skip-counting puzzles U6J

1-11: Comparing Numbers and Home Links

1. Comparing numbers up to 100 G7F

Also consider

- Inequalities with addition and subtraction - up to 100 PWY

1-12: Exploring Base-10 Blocks, Area, and Dominoes

1. Place value models up to 120 TCY

Unit 2

Fact Strategies

Textbook section	IXL skills
2-1: Grouping by 10s	1. Count money - \$1 and \$10 bills LFT <i>Also consider</i> <ul style="list-style-type: none"> Count by tens and hundreds Z8G
2-2: Addition Number Stories	1. Write addition sentences to describe pictures - sums to 20 L2M 2. Addition sentences for word problems - sums to 20 VSF
2-3: Doubles and Combinations of 10	1. Add doubles 8Z7 2. Add doubles - complete the sentence S46 <i>Also consider</i> <ul style="list-style-type: none"> Add doubles using models S57
2-4: The Making-10 Strategy	1. Count to fill a ten frame 2PR 2. Make ten to add YJE
2-5: The Near-Doubles Strategy	1. Add using doubles plus or minus one A8U
2-6: The Turn-Around Rule for Addition	1. Related addition facts YDX 2. Add money - up to 20 FY6
2-7: Subtraction and the Turn-Around Rule	1. Related subtraction facts P6Y 2. Subtraction sentences for word problems - up to 18 AZ8 <i>Also consider</i> <ul style="list-style-type: none"> Write subtraction sentences to describe pictures - up to 18 F8W
2-8: Exploring Addition Tools, Odd and Even Patterns, and Shapes	1. Make halves XME 2. Make fourths QZ9

2-9: Even Numbers and Equal Addends

1. Select even or odd numbers JLX
2. Which even or odd number comes before or after? CJK

Also consider

- Addition and subtraction - balance equations - up to 20 F99

2-10: Name-Collection Boxes

1. Writing numbers up to 100 in words - convert digits to words VPG
2. Writing numbers up to 100 in words - convert words to digits 2FT
3. Addition and subtraction - ways to make a number - up to 20 PD7

Also consider

- Spell word names for numbers up to 20 QBX
- Roman numerals I, V, X, L MJE

2-11: Playing Name That Number

1. Addition and subtraction sentences using number lines: up to 20 7TD
2. Addition and subtraction - ways to make a number - up to 100 8WA

2-12: Frames and Arrows

1. Count forward and backward by twos, fives, and tens PVB
2. Skip-counting sequences - two, three, four, five, and ten RU2

Unit 3

More Fact Strategies

Textbook section	IXL skills
3-1: Using Addition Strategies	1. Add one-digit numbers 5C6
3-2: Subtraction and Addition: Think Addition	1. Addition with pictures - sums to 20 PM8 2. Subtraction with pictures XUG 3. Relate addition and subtraction sentences PRS <i>Also consider</i> <ul style="list-style-type: none"> Add and subtract numbers up to 20 QQP
3-3: Fact Families	1. Fact families NSN
3-4: Playing Salute	1. Complete the addition sentence - sums to 20 MQX
3-5: Subtraction Strategies: Counting Up and Counting Back	1. Count forward and backward - up to 20 FZC 2. Subtract a one-digit number from a two-digit number up to 18 HSU <ul style="list-style-type: none"> <i>Coming soon:</i> Count on to subtract - up to 20
3-6: -0 and -1 Fact Strategies and Subtraction Top-It	1. Subtracting 0 2WQ 2. Subtracting 1 MQJ
3-7: "What's My Rule?"	1. Addition input/output tables - sums to 20 GLB 2. Subtraction input/output tables - up to 18 8C3 3. Input/output tables - write the rule - up to 20 CPP <i>Also consider</i> <ul style="list-style-type: none"> Input/output tables - add and subtract by 10 WR2
3-8: Using Doubles to Subtract	1. Subtract doubles BEV
3-9: Going-Back-Through-10 Strategy for Subtraction	<ul style="list-style-type: none"> <i>Coming soon:</i> Use ten frames to subtract



3-10: Going-Up-Through-10 Strategy for Subtraction

1. Subtraction word problems - up to 18 2FD
 - *Coming soon:* Make 10 to subtract

3-11: Exploring Rectangles, Fact Wheels, and Coins

1. Count money - up to \$2 DVD

Unit 4

Place Value and Measurement

Textbook section	IXL skills
4-1: Clocks and Telling Time	<ol style="list-style-type: none"> 1. Read clocks and write times: hour and half hour AQW 2. Elapsed time I UDE
4-2: Telling Time to the Nearest 5 Minutes	<ol style="list-style-type: none"> 1. Match analog clocks and times D9K 2. Match digital clocks and times 36N 3. Read clocks and write times K7F <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Elapsed time II L9C • Time words: o'clock, half, quarter 5TA
4-3: A.M. and P.M.	<ol style="list-style-type: none"> 1. A.M. or P.M. EJV <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Compare clocks UFP
4-4: Numeration and Place Value	<ol style="list-style-type: none"> 1. Place value models - up to hundreds PBX 2. Place value - up to hundreds BDF 3. Convert to/from a number - up to hundreds HUX <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Identify a digit up to the hundreds place 45U • Convert from expanded form - up to hundreds LG5
4-5: Using Place Value to Compare Numbers	<ol style="list-style-type: none"> 1. Comparing numbers up to 1,000 XF9 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Comparing numbers up to 100: word problems PDB
4-6: Using Base-10 Blocks to Show a Number	<ol style="list-style-type: none"> 1. Regroup tens and ones 5LV 2. Convert between place values - ones, tens, and hundreds M6X

4-7: Playing Target

1. Use models to add a two-digit and a one-digit number - without regrouping QC9
2. Use models to add a two-digit and a one-digit number - with regrouping URQ

4-8: How Big is a Foot?

1. Measure length with objects G92

4-9: The Inch

1. Measure using an inch ruler 88A

Also consider

- Which customary unit of length is appropriate: inches or feet? 5XG

4-10: The Centimeter

1. Measure using a centimeter ruler 7WA

4-11: Matching Facts with Strategies, Measuring a Path, Exploring Arrays

1. Subtract using a related addition fact 9FL
2. Addition and subtraction word problems - up to 20 75R

Unit 5

Addition and Subtraction

Textbook section	IXL skills
5-1: Playing Beat the Calculator	1. Addition sentences: which is true? GMN
5-2: Using Coins to Buy Things	1. Equivalent amounts of money - up to \$1 MGA 2. Exchanging money - with pictures VZD 3. Exchanging money 29V
5-3: Counting Up with Money	1. Correct amount of change LQ7 2. Purchases - do you have enough money - up to \$1 F62
5-4: Coin Calculations	1. Making change LYP 2. Least number of coins QAP
5-5: Exploring Arrays, Time, and Shapes	1. Identify repeated addition in arrays: sums to 10 F7E 2. Match analog and digital clocks HKL
5-6: Mentally Adding and Subtracting 10 and 100	1. Ten more or less PHA 2. Count up or down by 10 or 100 6PX 3. Input/output tables - add and subtract by 10 or 100 6XK
5-7: Open Number Lines	1. Addition word problems - up to two digits XAT
5-8: Change-to-More Number Stories	1. Write the addition sentence - up to two digits 5FM
5-9: Parts-and-Total Number Stories	1. Add three numbers up to two digits each: word problems 52T
5-10: Change Number Stories	1. Subtraction word problems - up to two digits UFU 2. Write the subtraction sentence - up to two digits ZQH

5-11: Adding Multidigit Numbers

1. Addition word problems - up to three digits UV2
2. Subtraction word problems - up to three digits ZMA

Also consider

- Add and subtract money - up to \$1 LYC
-

Unit 6

Whole Number Operations and Number Stories

Textbook section	IXL skills
6-1: Representing Data: Pockets	<ol style="list-style-type: none"> 1. Create pictographs I NM5 2. Create bar graphs 6KD <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Which tally chart is correct? 9DN • Interpret tally charts 2VQ
6-2: Comparison Number Stories	<ol style="list-style-type: none"> 1. Comparing numbers up to 100: word problems PDB
6-3: Interpreting Number Stories	<ol style="list-style-type: none"> 1. Addition and subtraction word problems - up to 100 MEP
6-4: Animal Number Stories	<ol style="list-style-type: none"> 1. Customary units of length: word problems GSF
6-5: Two-Step Number Stories	<ol style="list-style-type: none"> 1. Two-step addition and subtraction word problems - up to 100 7P8
6-6: Recording Addition Strategies	<ol style="list-style-type: none"> 1. Add two-digit numbers - sums to 200 GZY 2. Estimate sums 73Q
6-7: Partial-Sums Addition, Part 1	<ol style="list-style-type: none"> 1. Use models to add three-digit numbers - without regrouping Q7V 2. Use models to add three-digit numbers - with regrouping KUG
6-8: Partial-Sums Addition, Part 2	<ol style="list-style-type: none"> 1. Addition with three-digit numbers ETW 2. Estimate sums 7R3
6-9: Subtracting with Base-10 Blocks	<ol style="list-style-type: none"> 1. Subtract two two-digit numbers - without regrouping R8C 2. Subtract two two-digit numbers - with regrouping TWE
6-10: Exploring Arrays, Length, and Shapes	<ol style="list-style-type: none"> 1. Write addition sentences for arrays: sums to 10 Z7N 2. Compose two-dimensional shapes QPK

Unit 7

Whole Number Operations and Measurement and Data

Textbook section	IXL skills
7-1: Playing Hit the Target	<ol style="list-style-type: none"> Add multiples of 10 NPQ Subtract multiples of 10 2Q6
7-2: Four or More Addends	<ol style="list-style-type: none"> Add four or more one-digit numbers 77J Add four or more one-digit numbers: word problems 8NS
7-3: Playing Basketball Addition	<ol style="list-style-type: none"> Add four numbers up to two digits each DP6 Add four numbers up to two digits each: word problems YSX
7-4: Measuring with Yards	<ol style="list-style-type: none"> Measure length with cubes 9Y9 Which customary unit of length is appropriate: inches, feet, or yards? GKJ
7-5: Measuring with Meters	<ol style="list-style-type: none"> Which metric unit of length is appropriate? SKH <p><i>Also consider</i></p> <ul style="list-style-type: none"> Metric units of length: word problems KJ5
7-6: Generating Data: Standing Jumps and Arm Spans	<ol style="list-style-type: none"> Choose the appropriate measuring tool 53M
7-7: Representing Data: Standing Jumps	<ol style="list-style-type: none"> Create line plots F2U <p><i>Also consider</i></p> <ul style="list-style-type: none"> Interpret line plots HY6
7-8: Representing Data: Arm Spans	<ol style="list-style-type: none"> Create frequency tables XPL
7-9: Exploring Shape Attributes, Graphs, and Measurements	<ol style="list-style-type: none"> Sort shapes into a Venn diagram G7T Create pictographs II P2T

Unit 8

Geometry and Arrays

Textbook section	IXL skills
8-1: Attributes of 2-Dimensional Shapes	<ol style="list-style-type: none"> Count sides and vertices EAQ Count parallel sides XYJ Square corners 27M <p><i>Also consider</i></p> <ul style="list-style-type: none"> Equal sides D6K
8-2: Playing Shape Capture	<ol style="list-style-type: none"> Name the two-dimensional shape 2FK
8-3: Comparing Triangles, Pentagons, and Hexagons	<ol style="list-style-type: none"> Open and closed shapes PCC Select two-dimensional shapes DWL
8-4: Drawing and Reasoning About Quadrilaterals	<ol style="list-style-type: none"> Draw quadrilaterals RX7
8-5: Attributes of 3-Dimensional Shapes	<ol style="list-style-type: none"> Select three-dimensional shapes FAL Count vertices, edges, and faces X72 Compare vertices, edges, and faces DPT <p><i>Also consider</i></p> <ul style="list-style-type: none"> Identify faces of three-dimensional shapes QSR Shapes of everyday objects I 9VC Shapes of everyday objects II 63Q
8-6: Partitioning Rectangles, Part 1	<ol style="list-style-type: none"> Tile a rectangle with squares 2VD
8-7: Partitioning Rectangles, Part 2	<ol style="list-style-type: none"> Count the number of squares in a rectangle TMY
8-8: Equal-Groups and Array Number Stories	<ol style="list-style-type: none"> Count equal groups LHS Identify multiplication sentences for equal groups S7X Relate addition and multiplication for equal groups NFF

8-9: More Equal Groups and Arrays

1. Write multiplication sentences for equal groups A86
 2. Write multiplication sentences for arrays LN5
-

8-10: Playing Array Concentration

1. Identify repeated addition in arrays: sums to 25 EUS
 2. Write addition sentences for arrays: sums to 25 W8T
-

8-11: Exploring Mystery Shapes, Polygons, and Equal Parts

1. Compare sides and vertices G9N
 2. Equal parts H5R
-

Unit 9

Equal Shares and Whole Number Operations

Textbook section	IXL skills
9-1: Creating and Naming Equal Parts	<ol style="list-style-type: none"> 1. Identify halves EZ2 2. Identify thirds EMA 3. Identify fourths V5Q <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Identify halves, thirds, and fourths 24W
9-2: Exploring Equal Shares, Pattern-Block Fractions, and Number Lines	<ol style="list-style-type: none"> 1. Make halves, thirds, and fourths QD2
9-3: Sharing Muffins	<ol style="list-style-type: none"> 1. Make halves, thirds, and fourths in different ways 6SG 2. Which shape illustrates the fraction? PTH
9-4: Fraction Units of Length	<ol style="list-style-type: none"> 1. Measure using fraction units of length F9T
9-5: Reviewing Place Value	<ol style="list-style-type: none"> 1. Place value models - up to thousands E6N 2. Place value - up to thousands 9WT 3. Convert between standard and expanded form - up to thousands ZZX
9-6: Expand-and-Trade Subtraction, Part 1	<ol style="list-style-type: none"> 1. Subtract two-digit numbers from three-digit numbers XWG
9-7: Expand-and-Trade Subtraction, Part 2	<ol style="list-style-type: none"> 1. Subtract with two-digit and three-digit numbers FXZ
9-8: Equivalent Money Amounts	<ol style="list-style-type: none"> 1. Count money - up to \$5 3R8 2. Purchases - do you have enough money - up to \$5 W79 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Which picture shows more - up to \$5 39E
9-9: Estimating Costs	<ol style="list-style-type: none"> 1. Rounding money amounts JBW



9-10: Connecting Doubles Facts, Even Numbers, and Equal Groups

1. Relate addition and multiplication LDU

9-11: Multiples of 10 and 5

1. Multiplication tables for 2, 5, and 10 8YB
