



IXL Skill Alignment

5th 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-5th-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 for more information

IXL Learning © 2021

Unit 1

Area and Volume

Textbook section	IXL skills
1-2: Area of a Rectangle, Part 1	1. Multiply a mixed number by a whole number using a model I ZJ7
1-3: Quilt Area	1. Multiply a mixed number by a whole number using a model II FWN
1-4: Area of a Rectangle, Part 2	
1-5: Introduction to Volume	1. Greater or smaller volume NZJ
1-6: Exploring Nonstandard Volume Units	1. Identify objects with volume YEL
1-7: Measuring Volume by Counting Cubes	1. Volume of rectangular prisms made of unit cubes WG8
1-8: Measuring Volume by Iterating Layers	1. Relationship between volume and the area of the base: word problems QMA <i>Also consider</i> • Conversion tables: customary and metric units T8R
1-9: Two Formulas for Volume	1. Volume of rectangular prisms CVR <i>Also consider</i> • Write numerical expressions: two operations 8ME
1-10: Visualizing Volume Units	1. Understanding cubic units L56
1-11: Volume Explorations	1. Volume of irregular figures made of unit cubes WCE 2. Volume of compound figures J83
1-12: Playing Prism Pile-Up	1. Evaluate numerical expressions with parentheses HGW

Also consider

- Compare volumes and dimensions of rectangular prisms: word problems JP6
 - Evaluate numerical expressions with parentheses in different places 9F5
-

Unit 2

Whole Number Place Value and Operations

Textbook section	IXL skills
2-1: Understanding Place Value	<ol style="list-style-type: none"> 1. Convert between standard and expanded form HU7 2. Value of a digit FHT 3. Place value 83P
2-2: Exponents and Powers of 10	<ol style="list-style-type: none"> 1. Multiply a whole number by a power of ten: with exponents 92K <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Write powers of ten with exponents KGQ
2-3: Applying Powers of 10	<ol style="list-style-type: none"> 1. Estimate products word problems: identify reasonable answers WP8
2-4: U.S. Traditional Multiplication, Part 1	<ol style="list-style-type: none"> 1. Multiply 1-digit numbers by 2-digit numbers 5N3 2. Multiply 1-digit numbers by 2-digit numbers: word problems WLB <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Multiply 1-digit numbers by 2-digit numbers using area models 2EA
2-5: U.S. Traditional Multiplication, Part 2	<ol style="list-style-type: none"> 1. Multiply by 1-digit numbers 7H4 2. Multiply by 1-digit numbers: word problems 94W 3. Multiplication patterns over increasing place values BCK <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Multiply 1-digit numbers by 3-digit numbers using area models X8T
2-6: Application: Unit Conversions	<ol style="list-style-type: none"> 1. Convert customary units SZZ
2-7: U.S. Traditional Multiplication, Part 3	<ol style="list-style-type: none"> 1. Multiply by 2-digit numbers: complete the missing steps 9LX 2. Multiply 2-digit numbers by 2-digit numbers LLJ

Also consider

- Multiply 2-digit numbers by 2-digit numbers using area models AMJ

2-8: U.S. Traditional Multiplication, Part 4

1. Multiply 2-digit numbers by 3-digit numbers JHB

Also consider

- Multiply 2-digit numbers by larger numbers 9VQ
- Multiply by 2-digit numbers: word problems J95
- Multiply by 3-digit numbers NSP

2-9: One Million Taps

1. Multiply numbers ending in zeroes: word problems 8KY

Also consider

- Multiply numbers ending in zeroes 3V9
- Estimate products: word problems 9JW

2-10: A Mental Division Strategy

1. Divide 2-digit by 1-digit numbers using the distributive property EGM

2-11: Reviewing Partial-Quotients Division

1. Divide by 2-digit numbers using partial quotients ASM

2-12: Strategies for Choosing Partial Quotients**2-13:** Interpreting the Remainder

1. Divide by 1-digit numbers: interpret remainders 72W

Unit 3

Fraction Concepts, Addition, and Subtraction

Textbook section	IXL skills
3-1: Connecting Fractions and Division, Part 1	1. Fractions of a whole: word problems 2VP
3-2: Connecting Fractions and Division, Part 2	1. Understand fractions as division: word problems CTD
3-3: Application: Interpreting Remainders	1. One-step word problems involving remainders BGF
3-4: Fractions on a Number Line	1. Convert between improper fractions and mixed numbers B7X 2. Graph and compare fractions on number lines RGV
3-5: Game Strategies	1. Make the largest possible quotient QMF
3-6: Fraction Estimation with Number Sense	1. Compare sums of unit fractions ZX8 <i>Also consider</i> <ul style="list-style-type: none"> Put fractions in order T76
3-7: Fraction Estimation with Benchmarks	1. Estimate sums and differences of fractions using benchmarks 9JR
3-8: Renaming Fractions and Mixed Numbers	
3-9: Introduction to Adding and Subtracting Fractions and Mixed Numbers	1. Add and subtract mixed numbers with like denominators XHJ 2. Add and subtract mixed numbers with like denominators: word problems 45R
3-10: Exploring Addition of Fractions with Unlike Denominators	1. Add fractions with unlike denominators using models 2BS
3-11: Playing Fraction Capture	1. Decompose fractions multiple ways 7FU
3-12: Solving Fraction Number Stories	1. Fraction word problems: mixed review T5P



3-13: Fraction-Of Problems, Part 1

1. Unit fractions of a number: whole number answers XXD
2. Unit fractions of a number: word problems UF6

3-14: Fraction-Of Problems, Part 2

1. Unit fractions of a number 74D
-

Unit 4

Decimal Concepts; Coordinate Grids

Textbook section	IXL skills
4-1: Decimal Place Value	<ol style="list-style-type: none"> Understanding decimals expressed in words F9G Place values in decimal numbers X8U Convert fractions and decimals 8MX <p><i>Also consider</i></p> <ul style="list-style-type: none"> Relationship between decimal place values DVM
4-2: Representing Decimals through Thousandths	<ol style="list-style-type: none"> What decimal number is illustrated? CTP Model decimals and fractions FQP Equivalent decimals C2X
4-3: Representing Decimals in Expanded Form	<ol style="list-style-type: none"> Convert decimals between standard and expanded form WTU Convert decimals to mixed numbers TBV
4-4: Comparing and Ordering Decimals	<ol style="list-style-type: none"> Compare decimals on number lines CUF Compare decimal numbers NSG
4-5: Rounding Decimals	<ol style="list-style-type: none"> Graph decimals on number lines VQR Round decimals MPB Compare, order, and round decimals: word problems 2MV <p><i>Also consider</i></p> <ul style="list-style-type: none"> Compare decimals using grids QTG
4-6: Introduction to the Coordinate System	<ol style="list-style-type: none"> Objects on a coordinate plane NTR Graph points on a coordinate plane AST <p><i>Also consider</i></p> <ul style="list-style-type: none"> Describe the coordinate plane PF8
4-7: Playing Hidden Treasure	<ol style="list-style-type: none"> Coordinate planes as maps ZBD Follow directions on a coordinate plane XQR

4-8: Solving Problems on a Coordinate Grid, Part 1

1. Graph points from a table HWV
2. Use a rule to complete a table and a graph N9B
3. Graph triangles and quadrilaterals 5ZC

4-9: Solving Problems on a Coordinate Grid, Part 2

1. Complete an input/output table: word problems WWC
2. Analyze graphed relationships SMY

4-10: Folder Art**4-11: Addition and Subtraction of Decimals with Hundredths Grids**

1. Add decimal numbers using blocks NWJ

4-12: Decimal Addition Algorithms

1. Add decimal numbers BDX

Also consider

- Estimate sums and differences of decimals using benchmarks CHE

4-13: Decimals Subtraction Algorithms

1. Subtract decimal numbers SC8
2. Add and subtract decimals: word problems 35U

Also consider

- Add and subtract decimal numbers 7VJ
- Choose decimals with a particular sum or difference ARW

4-14: Addition and Subtraction of Money

1. Add and subtract money: word problems DLC

Also consider

- Add and subtract money amounts A8R

Unit 5

Operations with Fractions

Textbook section	IXL skills
5-1: Using Equivalent Fractions to Find Common Denominators	<ol style="list-style-type: none"> Equivalent fractions MKA Estimate sums and differences of fractions using benchmarks 9JR Add and subtract fractions with unlike denominators I 6RE <p><i>Also consider</i></p> <ul style="list-style-type: none"> Compare fractions with unlike denominators 92M
5-2: More Strategies for Finding Common Denominators	<ol style="list-style-type: none"> Add and subtract fractions with unlike denominators II JN2 Add and subtract fractions with unlike denominators: word problems TCD
5-3: Addition of Fractions and Mixed Numbers	<ol style="list-style-type: none"> Add mixed numbers with unlike denominators FHD
5-4: Subtraction of Fractions and Mixed Numbers	<ol style="list-style-type: none"> Subtract mixed numbers with unlike denominators FAA Estimate sums and differences of mixed numbers 7A6 Add and subtract mixed numbers: word problems 6BH <p><i>Also consider</i></p> <ul style="list-style-type: none"> Add and subtract fractions in recipes W9K
5-5: Connecting Fraction-Of Problems to Multiplication	<ol style="list-style-type: none"> Fractions of a number E7W Fractions of a number: word problems RHE
5-6: Multiplication of Fractions and Whole Numbers	<ol style="list-style-type: none"> Multiply fractions and whole numbers Y74 Multiply fractions and whole numbers: word problems UP5

Also consider

- Multiply fractions by whole numbers using models: complete the equation VXF
- Multiply fractions by whole numbers using arrays RB9
- Multiply unit fractions by whole numbers using number lines X8E

5-7: Fractions of Fractions

1. Understand fraction multiplication and area NFK
2. Multiply fractions to find area SEZ

5-8: Area Models for Fraction Multiplication

1. Multiply two fractions using models: fill in the missing factor AT7
2. Multiply two fractions using models UAY

5-9: Understanding an Algorithm for Fraction Multiplication

1. Multiply two fractions 8KV

Also consider

- Complete the fraction multiplication sentence S6G

5-10: Sharing Breakfast**5-11:** Explaining the Equivalent Fractions Rule

1. Patterns of equivalent fractions BC6

Also consider

- Scaling whole numbers by fractions: justify your answer Q7M
- Least common denominator R7P

5-12: Fraction Multiplication Number Stories

1. Multiply two fractions: word problems 38Y

5-13: Fraction Division, Part 1

1. Divide unit fractions by whole numbers using models XML
2. Divide unit fractions by whole numbers GXY

5-14: Fraction Division, Part 2

1. Divide whole numbers by unit fractions using models VDU
2. Divide whole numbers by unit fractions 3L9

Also consider

- Divide unit fractions and whole numbers: word problems G2N

Unit 6

Investigations in Measurement; Decimal Multiplication and Division

Textbook section	IXL skills
6-1: Multiplying and Dividing Decimals by Powers of 10	<ol style="list-style-type: none"> 1. Multiply a decimal by a power of ten: with exponents 5KC 2. Divide by a power of ten: with exponents CL2 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Multiply a decimal by a power of ten DN2 • Divide by powers of ten H2N • Decimal division patterns over increasing place values GBS
6-2: Playing Exponent Ball	<ol style="list-style-type: none"> 1. Multiply and divide by a power of ten: with exponents FXQ
6-3: Application: Converting Measurements in the Metric System	<ol style="list-style-type: none"> 1. Convert metric units of length, mass, and capacity VQP 2. Multi-step problems with metric unit conversions X5T
6-4: Line Plots	<ol style="list-style-type: none"> 1. Create and interpret line plots with fractions XBS
6-5: Working with Data in Line Plots	<ol style="list-style-type: none"> 1. Create line plots to find averages 8AW
6-6: Applying Volume Concepts	<ol style="list-style-type: none"> 1. Volume of cubes and rectangular prisms: word problems NR6
6-7: Measuring Volume by Displacement	
6-8: Estimating Decimal Products and Quotients	<ol style="list-style-type: none"> 1. Estimate products of decimals SL7 2. Estimate decimal quotients CZ9
6-9: Multiplication of Decimals	<ol style="list-style-type: none"> 1. Multiply two decimals: products up to hundredths FLL 2. Multiply two decimals: where does the decimal point go? 6FA

Also consider

- Multiply decimals using grids 66Z

6-10: Open Response: Fund Raising

1. Estimate products of whole numbers and decimals Q6D
2. Multiply decimals and whole numbers: word problems 83A

6-11: Division of Decimals by Whole Numbers

1. Divide decimals by one-digit whole numbers MTQ
2. Divide decimals by one-digit whole numbers: word problems D66

Also consider

- Divide decimals using blocks: complete the equation DDK

6-12: Division of Decimals by Decimals

1. Divide by decimals without adding zeroes RTS
2. Divide by decimals 8FT

6-13: Application: Estimating Your Reaction Time

1. Calculate mean, median, mode, and range: word problems ZJF

Unit 7

Multiplication of Mixed Numbers; Geometry; Graphs

Textbook section	IXL skills
7-1: Multiplication of Mixed Numbers, Part 1	1. Multiply with mixed numbers using area models WVR
7-2: Multiplication of Mixed Numbers, Part 2	1. Convert between improper fractions and mixed numbers B7X 2. Multiply mixed numbers XSE 3. Multiplication with mixed numbers: word problems 5W6
7-3: Rectangles with Fractional Side Lengths	1. Area of squares and rectangles with fractions PMV
7-4: Using Common Denominators for Fraction Division	1. Divide unit fractions and whole numbers using area models A7W 2. Divide unit fractions and whole numbers NTW
7-5: A Hierarchy of Triangles	1. Classify triangles: scalene, isosceles, and equilateral XNF
7-6: A Hierarchy of Quadrilaterals	1. Identify relationships between quadrilaterals V5Y
7-7: Playing Property Pandemonium	1. Select all names for a quadrilateral 8L9
7-8: Open Response: A Hierarchy of Polygons	1. Properties of polygons 3D5 <i>Also consider</i> <ul style="list-style-type: none"> Sort polygons into Venn diagrams US8
7-9: Collecting and Using Fractional Data	1. Create line plots to find totals and averages TYR
7-10: Identifying and Visualizing Patterns	1. Use a rule to complete a table and a graph UNF <i>Also consider</i> <ul style="list-style-type: none"> Find the rule from a table: word problems PN6 Compare patterns XPM

7-11: Rules, Tables, and Graphs: Part 1

1. Complete a table for a two-variable relationship NEK

Also consider

- Graph patterns using rules PN2

7-12: Rules, Tables, and Graphs: Part 2

1. Complete a table for a two-variable relationship II RFL

7-13: Old Faithful's Next Eruption

1. Graph a two-variable relationship QEH
2. Interpret a graph: word problems AVP

Unit 8

Applications of Measurement, Computation, and Graphing

Textbook section	IXL skills
8-1: Planning an Athletic Center	1. Area of squares and rectangles 2RB
8-2: Applying the Rectangle Method for Area	1. Understanding area of a parallelogram XGY 2. Understanding area of a triangle RPR <i>Also consider</i> <ul style="list-style-type: none"> Area of figures on grids 9RD
8-3: Planning an Aquarium	1. Volume of cubes and rectangular prisms with fractional side lengths YBN <i>Also consider</i> <ul style="list-style-type: none"> Area of compound figures YGC
8-4: Open Response: A Treasure Hunt	1. Apply volume formulas for rectangular prisms 9M5
8-5: Spending \$1,000,000	1. Add and subtract money: multi-step word problems MCG <i>Also consider</i> <ul style="list-style-type: none"> Adjust a budget NRQ
8-6: Earning \$1,000,000	1. Multiply money amounts: two-step word problems HY9 <i>Also consider</i> <ul style="list-style-type: none"> Convert units of time B8U
8-7: Paying Off the National Debt	1. Multiply money amounts: multi-step word problems J9B <i>Also consider</i> <ul style="list-style-type: none"> Divide 3-digit and 4-digit numbers by 2-digit numbers: word problems BA5
8-8: A Footstep Problem	

8-9: Finding Your Heart Rate

1. Two-step problems with customary or metric unit conversions SEB

8-10: Finding Your Cardiac Output

1. Multi-step problems with customary or metric unit conversions AMN

8-11: Pendulums, Part 1

1. Interpret line graphs UFX
2. Create line graphs KFZ

8-12: Pendulums, Part 2

1. Interpret a graph: word problems II 5BR