



# IXL Skill Alignment

3rd 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-3rd-grade](http://www.ixl.com/math/skill-plans/everyday-mathematics-fourth-edition-3rd-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](http://IXL.com) for more information

IXL Learning © 2021

# Unit 1

## Math Tools, Time, and Multiplication

Textbook section	IXL skills
<b>1-1:</b> Number Grids	1. Compare numbers up to 100 using words AZL
<b>1-2:</b> Introducing the Student Reference Book	1. Subtract numbers - up to two digits 9N9
<b>1-3:</b> Tools for Mathematics	1. Read clocks and write times: to the nearest 5 minutes 64G
<b>1-4:</b> Number Lines and Rounding	1. Round using a number line - nearest ten or hundred 6ST 2. Rounding - nearest ten or hundred only Q65 3. Estimate sums: round to tens WBC
<b>1-5:</b> Time	1. Read clocks and write times 5ZQ 2. Match analog and digital clocks L5U
<b>1-6:</b> How Long is a Morning?	1. Find the elapsed time SCQ  <i>Also consider</i> <ul style="list-style-type: none"> <li>Elapsed time: find the end time U7B</li> </ul>
<b>1-7:</b> Scaled Bar Graphs	1. Interpret tally charts 8CW 2. Create bar graphs RPF
<b>1-8:</b> Multiplication Strategies	1. Count equal groups 9K7 2. Write multiplication sentences for arrays 5FZ  <i>Also consider</i> <ul style="list-style-type: none"> <li>Multiplication word problems: factors up to 5 HDU</li> <li>Identify multiplication expressions for equal groups 9AE</li> <li>Identify multiplication expressions for arrays HZL</li> </ul>

**1-9: Introducing Division**

1. Write division sentences for groups FSX
2. Write division sentences for arrays 8RW

*Also consider*

- Division word problems: divisors and quotients up to 5 CFR
- Divide by counting equal groups UYK

**1-10: Foundational Multiplication Facts**

1. Skip-counting LQM
2. Multiply by 2 94M
3. Multiply by 5 Y9E
4. Multiply by 10 6YD

**1-11: The Length-of-Day Project**

1. Elapsed time word problems: find the end time 5VC
2. Elapsed time word problems: find the elapsed time V9D

**1-12: Exploring Mass, Equal Shares, and Equal Groups**

1. Write multiplication sentences for equal groups V98

*Also consider*

- Make halves, thirds, and fourths HGP

**1-13: Measuring Mass**

1. Which metric unit of weight is appropriate? PTF

## Unit 2

### Number Stories and Arrays

Textbook section	IXL skills
<b>2-1:</b> Extended Facts: Addition and Subtraction	<ol style="list-style-type: none"> <li>1. Addition patterns over increasing place values 5RG</li> <li>2. Subtraction patterns over increasing place values VKD</li> </ol>
<b>2-2:</b> Number Stories	<ol style="list-style-type: none"> <li>1. Addition and subtraction word problems - up to 100 V7P</li> <li>2. Write addition or subtraction sentences for word problems XR7</li> </ol>
<b>2-3:</b> More Number Stories	<ol style="list-style-type: none"> <li>1. Addition and subtraction word problems XSH</li> </ol>
<b>2-4:</b> Multistep Number Stories, Part 1	<ol style="list-style-type: none"> <li>1. Two-step addition and subtraction word problems - up to 100 L96</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Two-step word problems: identify reasonable answers V5A</li> </ul>
<b>2-5:</b> Multistep Number Stories, Part 2	<ol style="list-style-type: none"> <li>1. Two-step addition and subtraction word problems CBA</li> </ol>
<b>2-6:</b> Equal Groups	<ol style="list-style-type: none"> <li>1. Multiplication word problems 9TA</li> <li>2. Multiply by 1 and 0 CNG</li> </ol>
<b>2-7:</b> Multiplication Arrays	<ol style="list-style-type: none"> <li>1. Make arrays to model multiplication PPR</li> </ol>
<b>2-8:</b> Picturing Division	<ol style="list-style-type: none"> <li>1. Division word problems ECS</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Relate multiplication and division for arrays XSK</li> </ul>
<b>2-9:</b> Modeling Division	<ol style="list-style-type: none"> <li>1. Division word problems involving remainders RE8</li> </ol>
<b>2-10:</b> Playing Division Arrays	<ol style="list-style-type: none"> <li>1. Pick the model that shows a division expression 7DD</li> </ol>

**2-11: Frames and Arrows**

1. Use a rule to complete a number pattern 25S

*Also consider*

- Number sequences 7Y5
- Skip-counting puzzles 78C

---

**2-12: Exploring Fraction Circles, Liquid Volume, and Area**

1. Match fraction words to models P6L
  2. Select figures with a given area XR6
-

# Unit 3

## Operations

Textbook section	IXL skills
<b>3-1:</b> What's My Rule?	1. Addition and subtraction input/output tables: find the rule BHW  <i>Also consider</i> <ul style="list-style-type: none"> <li>Addition input/output tables: up to three digits MUE</li> <li>Subtraction input/output tables: up to three digits J9S</li> </ul>
<b>3-2:</b> Estimating Costs	1. Use compatible numbers to estimate sums HRT 2. Estimate sums and differences MTL 3. Estimate sums and differences: word problems BU8
<b>3-3:</b> Partial-Sums Addition	1. Add two numbers up to three digits using place value BMH  <i>Also consider</i> <ul style="list-style-type: none"> <li>Estimate sums up to 1,000 3Y9</li> </ul>
<b>3-4:</b> Column Addition	1. Add three-digit numbers: with regrouping 9NH  <i>Also consider</i> <ul style="list-style-type: none"> <li>Use models to add three-digit numbers: with regrouping NWW</li> </ul>
<b>3-5:</b> Counting-Up Subtraction	1. Subtract numbers up to three digits EHT  <i>Also consider</i> <ul style="list-style-type: none"> <li>Estimate differences up to 1,000 A47</li> </ul>
<b>3-6:</b> Expand-and-Trade Subtraction	1. Subtract three-digit numbers: regroup tens and hundreds WR8
<b>3-7:</b> Exploring Bar Graphs, Area, and Partitioning Rectangles	1. Interpret bar graphs V54 2. Tile a rectangle and find the area EKK

*Also consider*

- Use bar graphs to solve problems BCJ
- Create rectangles with a given area V73

**3-8:** Scaled Picture Graphs

1. Create pictographs AVG
2. Interpret pictographs Y5D

**3-9:** Exploring Multiplication Squares

1. Squares up to  $10 \times 10$  GMM

**3-10:** The Commutative Property of Multiplication

1. Multiplication tables up to 10 PNV

**3-11:** Adding a Group

1. Multiply by 3 38K
2. Multiply by 6 SX6

*Also consider*

- Relate addition and multiplication P74

**3-12:** Subtracting a Group

1. Multiply by 4 5U6
2. Multiply by 9 SUH

*Also consider*

- Multiply by 5 and 10 G48

**3-13:** Equivalent Names

1. Write numbers in different ways WJ5

# Unit 4

## Measurement and Geometry

Textbook section	IXL skills
<b>4-1:</b> Measuring with a Ruler	<ol style="list-style-type: none"> <li>1. Measure using an inch ruler LC2</li> <li>2. Measure using a centimeter ruler MPX</li> </ol>
<b>4-2:</b> Application: Line Plots	<ol style="list-style-type: none"> <li>1. Create line plots H5J</li> <li>2. Interpret line plots YXD</li> </ol>
<b>4-3:</b> Exploring Measures of Distance and Comparisons of Mass	
<b>4-4:</b> Polygon Review	<ol style="list-style-type: none"> <li>1. Is it a polygon? C2P</li> <li>2. Count and compare sides and vertices GWA</li> <li>3. Parallel sides in quadrilaterals 6E9</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Open and closed shapes 9PS</li> <li>• Identify two-dimensional shapes JBT</li> </ul>
<b>4-5:</b> Special Quadrilaterals	<ol style="list-style-type: none"> <li>1. Draw quadrilaterals 5KS</li> <li>2. Classify quadrilaterals CNJ</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Identify parallelograms V6L</li> <li>• Identify trapezoids 67A</li> <li>• Identify rectangles 47T</li> <li>• Identify rhombuses ZSD</li> </ul>
<b>4-6:</b> Perimeter	<ol style="list-style-type: none"> <li>1. Perimeter of polygons LLY</li> <li>2. Perimeter of rectangles ZJT</li> <li>3. Perimeter: word problems CLD</li> </ol>
<b>4-7:</b> Area and Perimeter	<ol style="list-style-type: none"> <li>1. Find the area of figures made of unit squares FLQ</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Area of figures on grids J93</li> </ul>



- Perimeter of figures on grids TQP

---

**4-8: Area and Composite Units**

1. Find the area of rectangles and squares 8KJ

*Also consider*

- Find the area of rectangles: word problems 5HA

---

**4-9: Number Sentences for Area of Rectangles**

1. Use multiplication to find the area of a rectangle made of unit squares LC6

---

**4-10: Playing the Area and Perimeter Game**

1. Find the area or perimeter of rectangles and squares QYU

---

**4-11: Building a Rabbit Pen**

1. Compare area and perimeter of two figures PMF

*Also consider*

- Use area and perimeter to determine cost 8H8

---

**4-12: Rectilinear Figures**

1. Find the areas of complex figures by dividing them into rectangles DVB
2. Find the area of complex figures SGP

*Also consider*

- Perimeter of rectilinear shapes 65Z
-

# Unit 5

## Fractions and Multiplication Strategies

Textbook section	IXL skills
<b>5-1:</b> Exploring Equal Parts, Fractions of Different Wholes, and Area	<ol style="list-style-type: none"> <li>1. Identify equal parts FHY</li> <li>2. Make halves, thirds, fourths, sixths, and eighths JHE</li> <li>3. Select two figures with the same area 7GW</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Match fractions to models: halves, thirds, and fourths Y55</li> </ul>
<b>5-2:</b> Representing Fractions	<ol style="list-style-type: none"> <li>1. Match fractions to models YHL</li> <li>2. Show fractions: area models NLE</li> <li>3. Decompose fractions into unit fractions using models P75</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Understand fractions: area models RTW</li> <li>• Match unit fractions to models CPK</li> </ul>
<b>5-3:</b> Equivalent Fractions	<ol style="list-style-type: none"> <li>1. Find equivalent fractions using area models: two models ZJ2</li> </ol>
<b>5-4:</b> Recognizing Helper Facts	<ol style="list-style-type: none"> <li>1. Multiply by 3, 4, 6, and 9 9DK</li> </ol>
<b>5-5:</b> Multiplication Facts Strategies: Doubling, Part 1	<ol style="list-style-type: none"> <li>1. Multiply by 8 SMR</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Add doubles NLQ</li> </ul>
<b>5-6:</b> Multiplication Facts Strategies: Doubling, Part 2	<ol style="list-style-type: none"> <li>1. Multiply by 2, 4, 6, 8 and 10 FKS</li> <li>2. Divide by 2 ANU</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Create bar graphs: multi-digit numbers WYL</li> <li>• Interpret bar graphs: multi-digit numbers UP6</li> </ul>

**5-7: Patterns in Products**

1. Even or odd: multiplication patterns WS2

*Also consider*

- Even or odd U9Q
- Convert between hours and fractions of hours YRP
- Multiplication input/output tables 8CM

**5-8: Finding Missing Factors**

1. Multiplication facts up to 10: find the missing factor FZA

*Also consider*

- Multiplication facts up to 10: select the missing factors WZA
- Multiplication word problems: find the missing factor F6C

**5-9: Multiplication Facts Strategies: Near Squares**

1. Multiplication tables for 2, 3, 4, 5, and 10 DW5
2. Multiplication tables for 6, 7, 8, and 9 XT7

**5-10: Button Dolls: Solving a Number Story**

1. Two-step multiplication and division word problems 8FP

**5-11: Multiplication Facts Strategies: Break-Apart Strategy**

1. Distributive property: fill in the missing number 7UP

*Also consider*

- Multiply by 7 9PT

# Unit 6

## More Operations

Textbook section	IXL skills
<b>6-1:</b> Trade-First Subtraction	<ol style="list-style-type: none"> <li>1. Subtract numbers up to three digits: with regrouping UPT</li> <li>2. Estimate differences: up to three digits 42M</li> </ol>
<b>6-2:</b> Playing Baseball Multiplication	<ol style="list-style-type: none"> <li>1. Multiplication facts up to 10: sorting SUJ</li> </ol>
<b>6-3:</b> Taking Inventory of Known Facts Strategies	<ol style="list-style-type: none"> <li>1. Multiplication facts for 6, 7, 8, and 9: true or false? EEY</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Multiply by 11 AZJ</li> </ul>
<b>6-4:</b> Fact Power and Beat the Calculator	<ol style="list-style-type: none"> <li>1. Multiplication facts up to 10: true or false? 3K8</li> </ol>
<b>6-5:</b> Exploring Geometry Problems, Measurement Data, and Polygons	<ol style="list-style-type: none"> <li>1. Draw quadrilaterals II 88B</li> <li>2. Create line plots with halves 6RC</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Sort shapes into a Venn diagram 9L6</li> </ul>
<b>6-6:</b> Multiplication and Division Diagrams	<ol style="list-style-type: none"> <li>1. Relate multiplication and division 67L</li> <li>2. Write variable equations to represent word problems: multiplication and division only ZNN</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Multiplication and division word problems 85K</li> </ul>
<b>6-7:</b> Multiplication with Larger Factors	<ol style="list-style-type: none"> <li>1. Multiplication tables up to 12 TK7</li> <li>2. Multiply 1-digit numbers by teen numbers using grids 8XQ</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Multiply by 12 8NV</li> </ul>
<b>6-8:</b> Number Sentences with Parentheses	<ol style="list-style-type: none"> <li>1. Understanding parentheses AYY</li> </ol>
<b>6-9:</b> Writing Number Stories	<ol style="list-style-type: none"> <li>1. Two-step mixed operation word problems SRL</li> </ol>



**6-10:** Order of Operations

1. Perform multiple operations with whole numbers UKB

---

**6-11:** Number Models for Two-Step Number Stories

1. Write variable equations to represent word problems U6P

*Also consider*

- Multiplication facts up to 12: true or false? YSY
-

# Unit 7

## Fractions

Textbook section	IXL skills
<b>7-1:</b> Liquid Volume	1. Which metric unit of volume is appropriate? LYS
<b>7-2:</b> Exploring Arrays, Volume, and Equal Shares	1. Estimate the number of objects to the nearest ten A9J 2. Find equivalent fractions using area models: one model 6DY
<b>7-3:</b> Number Stories with Measures	1. Measurement word problems VPW  <i>Also consider</i> <ul style="list-style-type: none"> <li>Choose the appropriate measuring tool FTA</li> </ul>
<b>7-4:</b> Fraction Strips	1. Show fractions: fraction bars ZPW 2. Compare fractions with like denominators using models TDE 3. Compare fractions with like numerators using models RGM  <i>Also consider</i> <ul style="list-style-type: none"> <li>Understand fractions: fraction bars 6JL</li> </ul>
<b>7-5:</b> Fractions on a Number Line, Part 1	1. Identify fractions on number lines AWH 2. Identify equivalent fractions on number lines HYM  <i>Also consider</i> <ul style="list-style-type: none"> <li>Graph unit fractions on number lines CBW</li> <li>Identify unit fractions on number lines JVC</li> <li>Identify equivalent fractions 7DA</li> </ul>
<b>7-6:</b> Fractions on a Number Line, Part 2	1. Graph fractions on number lines 7QM 2. Graph fractions equivalent to 1 on number lines 7BL  <i>Also consider</i> <ul style="list-style-type: none"> <li>Select fractions equivalent to whole numbers using area models GKZ</li> </ul>

**7-7: Comparing Fractions**

1. Graph and compare fractions on number lines 6H5
2. Compare fractions using benchmarks D8B

*Also consider*

- Graph smaller or larger fractions on a number line 2PH
- Compare fractions using number lines 38T

**7-8: Finding Rules for Comparing Fractions**

1. Order fractions with like numerators PCW
2. Benchmark fractions EEU

*Also consider*

- Order fractions with like denominators HYZ

**7-9: Locating Fractions on Number Lines**

1. Fractions of number lines PYB
2. Find equivalent fractions using number lines JL8

**7-10: Justifying Fraction Comparisons**

1. Compare fractions 78D
2. Find equivalent fractions WMX

*Also consider*

- Graph equivalent fractions on number lines WPQ

**7-11: Fractions in Number Stories**

1. Fractions of a whole: word problems BV7

*Also consider*

- Fractions of a whole: modeling word problems 9PU
- Compare fractions in recipes 9BK

**7-12: Fractions of Collections**

1. Fractions of a group: word problems Z65

*Also consider*

- Fractions of a group 8H3
- Fractions of a number: word problems 9HF

# Unit 8

## Multiplication and Division

Textbook section	IXL skills
<b>8-1:</b> Measuring to the Nearest 1/4 Inch	1. Measure using an inch ruler: nearest 1/4 inch 5R3
<b>8-2:</b> Extended Facts: Multiplication and Division	1. Multiplication patterns: multiples of 10 and 100 QGP 2. Division patterns over increasing place values: up to hundreds E95
<b>8-3:</b> Factors of Counting Numbers	1. Multiplication facts up to 12: select the missing factors VTZ
<b>8-4:</b> Setting Up Chairs	1. Make arrays to model multiplication: given products TY9  <i>Also consider</i> • Guess the number KEJ
<b>8-5:</b> Playing Factor Bingo	1. Choose the multiples of a given number up to 10 DNT  <i>Also consider</i> • Multiplication facts up to 12: find the missing factor WB8 • Division facts up to 12: select the missing numbers SP9
<b>8-6:</b> Sharing Money	1. Divide 2-digit numbers by 1-digit numbers: word problems C6T
<b>8-7:</b> Exploring Number Lines, Fractions, and Area	1. Graph and order fractions on number lines T7E 2. Create rectangles with a given area V73  <i>Also consider</i> • Multiply to find the area of a rectangle made of unit squares S7G
<b>8-8:</b> Solid Shapes	1. Identify faces of three-dimensional shapes S8P 2. Count vertices, edges, and faces ZBU



# Unit 9

## Multidigit Operations

Textbook section	IXL skills
<b>9-1:</b> Playing Product Pile-Up	<ol style="list-style-type: none"> <li>1. Multiplication facts for 6, 7, 8, and 9: sorting TZ7</li> <li>2. Multiplication sentences up to 10: true or false? MTU</li> </ol>
<b>9-2:</b> Multiply and Divide with Multiples of 10	<ol style="list-style-type: none"> <li>1. Multiply by a multiple of ten MS6</li> </ol>
<b>9-3:</b> Using Mental Math to Multiply	<ol style="list-style-type: none"> <li>1. Multiply one-digit numbers by two-digit numbers 9PM</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Multiply using the distributive property 6W7</li> </ul>
<b>9-4:</b> Exploring Elapsed Time, Squares, and Bridges	<ol style="list-style-type: none"> <li>1. Reading schedules SWU</li> <li>2. Time word problems: find the start, end, or elapsed time MNY</li> <li>3. Make sixths and eighths KTM</li> </ol>
<b>9-5:</b> Multidigit Multiplication	<ol style="list-style-type: none"> <li>1. Multiply one-digit numbers by two-digit numbers using area models I V9Q</li> <li>2. Multiply one-digit numbers by two-digit numbers using area models II QXM</li> </ol>
<b>9-6:</b> Packing Apples	<ol style="list-style-type: none"> <li>1. Divide three-digit numbers: word problems 2AT</li> <li>2. Divide using repeated subtraction XK6</li> </ol>
<b>9-7:</b> The Length-of-Day Project, Revisited	<ol style="list-style-type: none"> <li>1. Time word problems FTT</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Interpret line graphs B66</li> </ul>