



IXL Skill Alignment

4th grade alignment for GO MATH! COMMON CORE EDITION

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Chapter 1

Place Value, Addition, and Subtraction to One Million

Textbook section	IXL skills
1.1: Model Place Value Relationships	A.1 Place values >>
1.2: Read and Write Numbers	A.3 Word names for numbers >>
1.3: Compare and Order Numbers	A.9 Compare numbers up to billions >>
1.4: Round Numbers	A.6 Rounding >>
1.5: Rename Numbers	A.2 Convert between place values >>
1.6: Add Whole Numbers	B.1 Add numbers up to millions >> B.2 Add numbers up to millions: word problems >> B.8 Estimate sums >> B.9 Estimate sums: word problems >> <i>See also:</i> B.4 Properties of addition >>
1.7: Subtract Whole Numbers	C.1 Subtract numbers up to millions >> C.2 Subtract numbers up to millions: word problems >> C.6 Estimate differences >> C.7 Estimate differences: word problems >>
1.8: Problem Solving – Comparison Problems with Addition and Subtraction	J.1 Read a table >>

Chapter 2

Multiply by 1-Digit Numbers

Textbook section	IXL skills
2.1: Multiplication Comparisons	
2.2: Comparison Problems	
2.3: Multiply Tens, Hundreds, and Thousands	D.8 Multiplication patterns over increasing place values >>
2.4: Estimate Products	D.12 Estimate products - multiply by 1-digit numbers >>
2.5: Multiply Using the Distributive Property	D.10 Distributive property: find the missing factor >>
	D.11 Multiply using the distributive property >>
2.6: Multiply Using Expanded Form	
2.7: Multiply Using Partial Products	
2.8: Multiply Using Mental Math	D.9 Properties of multiplication >>
2.9: Problem Solving – Multistep Multiplication Problems	D.27 Multiply three or more numbers: word problems >>
2.10: Multiply 2-Digit Numbers with Regrouping	D.5 Multiply 1-digit numbers by 2-digit numbers >>
2.11: Multiply 3-Digit Numbers and 4-Digit Numbers with Regrouping	D.6 Multiply 1-digit numbers by 3-digit or 4-digit numbers >>
2.12: Solve Multistep Problems Using Equations	

Chapter 3

Multiply 2-Digit Numbers

Textbook section	IXL skills
3.1: Multiply by Tens	D.24 Multiply numbers ending in zeroes >>
3.2: Estimate Products	D.13 Estimate products - multiply by larger numbers >>
	D.14 Estimate products: word problems >>
3.3: Area Models and Partial Products	
3.4: Multiply Using Partial Products	D.15 Box multiplication >>
	D.18 Multiply a 2-digit number by a 2-digit number >>
3.5: Multiply with Regrouping	D.18 Multiply a 2-digit number by a 2-digit number >>
3.6: Choose a Multiplication Method	D.18 Multiply a 2-digit number by a 2-digit number >>
3.7: Problem Solving – Multiply 2-Digit Numbers	

Chapter 4

Divide by 1-Digit Numbers

Textbook section	IXL skills
4.1: Estimate Quotients Using Multiples	
4.2: Remainders	
4.3: Interpret the Remainder	E.7 Divide 2-digit numbers by 1-digit numbers: interpret remainders >>
4.4: Divide Tens, Hundreds, and Thousands	E.13 Divide numbers ending in zeroes by 1-digit numbers >> E.17 Division patterns over increasing place values >>
4.5: Estimate Quotients Using Compatible Numbers	E.14 Divide by 1-digit numbers: estimate quotients >>
4.6: Division and the Distributive Property	
4.7: Divide Using Repeated Subtraction	E.1 Division facts to 12 >> E.4 Divide 2-digit numbers by 1-digit numbers >> <i>See also:</i> E.5 Divide 2-digit numbers by 1-digit numbers: word problems >>
4.8: Divide Using Partial Quotients	
4.9: Model Division with Regrouping	
4.10: Place the First Digit	E.8 Divide larger numbers by 1-digit numbers >>
4.11: Divide by 1-Digit Numbers	E.8 Divide larger numbers by 1-digit numbers >> E.9 Divide larger numbers by 1-digit numbers: word problems >>
4.12: Problem Solving – Multistep Division Problems	

Chapter 5

Factors, Multiples, and Patterns

Textbook section	IXL skills
5.1: Model Factors	D.4 Identify factors >>
5.2: Factors and Divisibility	D.4 Identify factors >> E.15 Divisibility rules >> E.16 Divisibility rules: word problems >>
5.3: Problem Solving – Common Factors	
5.4: Factors and Multiples	D.3 Choose the multiples of a given number up to 12 >>
5.5: Prime and Composite Numbers	A.5 Prime and composite numbers >>
5.6: Number Patterns	L.3 Numeric patterns: word problems >>

Chapter 6

Fraction Equivalence and Comparison

Textbook section	IXL skills
6.1: Equivalent Fractions	Q.4 Find equivalent fractions using area models >> Q.6 Equivalent fractions >>
6.2: Generate Equivalent Fractions	Q.8 Patterns of equivalent fractions >>
6.3: Simplest Form	Q.9 Reduce fractions to lowest terms >>
6.4: Common Denominators	
6.5: Problem Solving – Find Equivalent Fractions	
6.6: Compare Fractions Using Benchmarks	Q.10 Benchmark fractions >> Q.11 Compare fractions using benchmarks >>
6.7: Compare Fractions	Q.12 Graph and compare fractions on number lines >> Q.15 Compare fractions using models >> Q.16 Compare fractions >>
6.8: Compare and Order Fractions	Q.18 Graph and order fractions on number lines >> Q.20 Order fractions >> <i>See also:</i> Q.21 Find smaller or larger fractions >>

Chapter 7

Add and Subtract Fractions

Textbook section	IXL skills
7.1: Add and Subtract Parts of a Whole	
7.2: Write Fractions as Sums	R.1 Decompose fractions into unit fractions >> R.2 Decompose fractions >> R.3 Decompose fractions multiple ways >>
7.3: Add Fractions Using Models	R.4 Add fractions with like denominators using number lines >>
7.4: Subtract Fractions Using Models	R.5 Subtract fractions with like denominators using number lines >>
7.5: Add and Subtract Fractions	R.6 Add and subtract fractions with like denominators using number lines >> R.7 Add and subtract fractions with like denominators >> R.9 Add and subtract fractions with like denominators: word problems >>
7.6: Rename Fractions and Mixed Numbers	Q.3 Mixed number review >> Q.22 Convert between improper fractions and mixed numbers >>
7.7: Add and Subtract Mixed Numbers	R.12 Add and subtract mixed numbers with like denominators >>
7.8: Subtraction with Renaming	R.12 Add and subtract mixed numbers with like denominators >>
7.9: Fractions and Properties of Addition	
7.10: Problem Solving – Multistep Fraction Problems	

Chapter 8

Multiply Fractions by Whole Numbers

Textbook section	IXL skills
8.1: Multiples of Unit Fractions	T.1 Multiply unit fractions by whole numbers using number lines >>
	T.2 Multiply unit fractions by whole numbers using models >>
	T.3 Multiples of fractions >>
	T.5 Multiply unit fractions by whole numbers >>
	T.6 Multiply unit fractions by whole numbers: word problems >>
8.2: Multiples of Fractions	T.3 Multiples of fractions >>
	T.7 Multiply fractions by whole numbers using number lines >>
8.3: Multiply a Fraction by a Whole Number Using Models	T.2 Multiply unit fractions by whole numbers using models >>
	T.7 Multiply fractions by whole numbers using number lines >>
	T.8 Multiply fractions by whole numbers using models >>
	T.10 Multiply fractions by whole numbers >>
	T.12 Multiply fractions by whole numbers: word problems >>
8.4: Multiply a Fraction or Mixed Number by a Whole Number	T.13 Multiply fractions and mixed numbers by whole numbers in recipes >>
8.5: Problem Solving – Comparison Problems with Fractions	T.6 Multiply unit fractions by whole numbers: word problems >>
	T.12 Multiply fractions by whole numbers: word problems >>

Chapter 9

Relate Fractions and Decimals

Textbook section	IXL skills
9.1: Relate Tenths and Decimals	
9.2: Relate Hundredths and Decimals	<p>U.1 What decimal number is illustrated? >></p> <p>U.2 Model decimals and fractions >></p> <p>U.3 Understanding decimals expressed in words >></p> <p>U.4 Place values in decimal numbers >></p> <p>U.6 Graph decimals on number lines >></p> <p>U.8 Graph fractions as decimals on number lines >></p>
9.3: Equivalent Fractions and Decimals	<p>Q.7 Fractions with denominators of 10, 100, and 1000 >></p> <p>U.5 Equivalent decimals >></p> <p>U.8 Graph fractions as decimals on number lines >></p>
9.4: Relate Fractions, Decimals, and Money	M.1 Count coins and bills - up to \$5 bill >>
9.5: Problem Solving – Money	<p>M.4 Add and subtract money amounts >></p> <p>M.5 Add, subtract, multiply, and divide money amounts >></p>
9.6: Add Fractional Parts of 10 and 100	<p>S.5 Add up to 4 fractions with denominators of 10 and 100 >></p> <p>S.6 Add and subtract fractions with denominators of 10, 100, and 1000 >></p>
9.7: Compare Decimals	<p>U.13 Compare decimals on number lines >></p> <p>U.14 Compare decimal numbers >></p> <p>U.17 Compare decimals and fractions on number lines >></p>
	<p><i>See also:</i></p> <p>U.18 Compare decimals and fractions >></p>

Chapter 10

Two-Dimensional Figures

Textbook section	IXL skills
10.1: Lines, Rays, and Angles	P.13 Acute, right, obtuse, and straight angles >> P.30 Lines, line segments, and rays >>
10.2: Classify Triangles	P.3 Classify triangles by angles >>
10.3: Parallel Lines and Perpendicular Lines	P.31 Parallel, perpendicular, intersecting >>
10.4: Classify Quadrilaterals	P.8 Classify quadrilaterals >>
10.5: Line Symmetry	P.29 Lines of symmetry >>
10.6: Find and Draw Lines of Symmetry	
10.7: Problem Solving – Shape Patterns	L.5 Mixed patterns review >>

Chapter 11

Angles

Textbook section	IXL skills
11.1: Angles and Fractional Parts of a Circle	
11.2: Degrees	P.14 Angles of 90, 180, 270, and 360 degrees >>
11.3: Measure and Draw Angles	P.15 Measure angles with a protractor >>
11.4: Join and Separate Angles	P.17 Adjacent angles >>
11.5: Problem Solving – Unknown Angle Measures	P.17 Adjacent angles >>

Chapter 12

Relative Sizes of Measurement Units

Textbook section	IXL skills
12.1: Measurement Benchmarks	N.2 Which customary unit is appropriate? >> N.8 Which metric unit is appropriate? >>
12.2: Customary Units of Length	N.3 Compare and convert customary units of length >>
12.3: Customary Units of Weight	N.4 Compare and convert customary units of weight >>
12.4: Customary Units of Liquid Volume	N.5 Compare and convert customary units of volume >> <i>See also:</i> N.7 Conversion tables - customary units >>
12.5: Line Plots	J.6 Interpret line plots >> J.7 Create line plots >>
12.6: Metric Units of Length	N.9 Compare and convert metric units of length >>
12.7: Metric Units of Mass and Liquid Volume	N.10 Compare and convert metric units of weight >> N.11 Compare and convert metric units of volume >> <i>See also:</i> N.13 Conversion tables - metric units >>
12.8: Units of Time	O.1 Convert time units >>
12.9: Problem Solving – Elapsed Time	O.5 Elapsed time >> O.6 Elapsed time: word problems >>
12.10 Mixed Measures	N.16 Add and subtract mixed customary units >>
12.11 Patterns in Measurement Units	

Chapter 13

Algebra: Perimeter and Area

Textbook section	IXL skills
13.1: Perimeter	P.19 Perimeter >>
13.2: Area	P.21 Area of squares and rectangles >>
13.3: Area of Combined Rectangles	P.22 Area of complex figures (with all right angles) >>
13.4: Find Unknown Measures	P.19 Perimeter >> <i>See also:</i> P.25 Relationship between area and perimeter >>
13.5: Problem Solving – Find the Area	P.23 Area between two rectangles >>