



IXL Skill Alignment

4th alignment for California GO Math!

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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.2 Convert between standard and expanded form >>
1.2: Read and Write Numbers	A.10 Write word names for numbers up to one million >>
1.3: Compare and Order Numbers	A.21 Compare numbers up to one billion >>
1.4: Round Numbers	A.16 Rounding >>
1.5: Rename Numbers	A.4 Convert between place values >>
1.6: Add Whole Numbers	B.2 Add numbers up to millions >> B.4 Add numbers up to millions: word problems >> B.10 Estimate sums >> B.11 Estimate sums: word problems >> <i>See also:</i> B.6 Properties of addition >>
1.7: Subtract Whole Numbers	C.2 Subtract numbers up to millions >> C.4 Subtract numbers up to millions: word problems >> C.8 Estimate differences >> C.9 Estimate differences: word problems >>
1.8: 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.9 Multiplication patterns over increasing place values >>
2.4: Estimate Products	D.13 Estimate products - multiply by 1-digit numbers >>
2.5: Multiply Using the Distributive Property	D.11 Distributive property: find the missing factor >> D.12 Multiply using the distributive property >>
2.6: Multiply Using Expanded Form	
2.7: Multiply Using Partial Products	
2.8: Multiply Using Mental Math	D.10 Properties of multiplication >>
2.9: Multistep Multiplication Problems	D.28 Multiply three or more numbers: word problems >>
2.10: Multiply 2-Digit Numbers with Regrouping	D.6 Multiply 1-digit numbers by 2-digit numbers >>
2.11: Multiply 3-Digit and 4-Digit Numbers with Regrouping	D.7 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.25 Multiply numbers ending in zeroes >>
3.2: Estimate Products	D.14 Estimate products - multiply by larger numbers >>
	D.15 Estimate products: word problems >>
3.3: Area Models and Partial Products	
3.4: Multiply Using Partial Products	D.16 Box multiplication >>
	D.19 Multiply a 2-digit number by a 2-digit number >>
3.5: Multiply with Regrouping	D.19 Multiply a 2-digit number by a 2-digit number >>
3.6: Choose a Multiplication Method	D.19 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 Division patterns over increasing place values >> E.14 Divide numbers ending in zeroes by 1-digit numbers >>
4.5: Estimate Quotients Using Compatible Numbers	E.15 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: Multistep Division Problems	

Chapter 5

Factors, Multiples, and Patterns

Textbook section	IXL skills
5.1: Model Factors	D.5 Identify factors >>
5.2: Factors and Divisibility	D.5 Identify factors >> E.16 Divisibility rules >> E.17 Divisibility rules: word problems >>
5.3: Common Factors	
5.4: Factors and Multiples	D.4 Choose the multiples of a given number up to 12 >>
5.5: Prime and Composite Numbers	A.14 Prime and composite - up to 20 >>
5.6: Number Patterns	L.8 Number patterns: word problems >>

Chapter 6

Fraction Equivalence and Comparison

Textbook section	IXL skills
6.1: Equivalent Fractions	P.5 Find equivalent fractions using area models >>
	P.7 Equivalent fractions >>
6.2: Generate Equivalent Fractions	P.9 Patterns of equivalent fractions >>
6.3: Simplest Form	P.10 Write fractions in lowest terms >>
6.4: Common Denominators	
6.5: Problem Solving - Find Equivalent Fractions	
6.6: Compare Fractions Using Benchmarks	P.15 Benchmark fractions >>
	P.16 Compare fractions using benchmarks >>
6.7: Compare Fractions	P.12 Graph and compare fractions with like numerators or denominators on number lines >>
	P.14 Compare fractions using models >>
	P.17 Compare fractions >>
6.8: Compare and Order Fractions	P.19 Graph and order fractions on number lines >>
	P.21 Order fractions >>
	<i>See also:</i> P.22 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	Q.1 Decompose fractions into unit fractions >> Q.2 Decompose fractions >> Q.3 Decompose fractions multiple ways >>
7.3: Add Fractions Using Models	Q.4 Add fractions with like denominators using number lines >>
7.4: Subtract Fractions Using Models	Q.6 Subtract fractions with like denominators using number lines >>
7.5: Add and Subtract Fractions	Q.8 Add and subtract fractions with like denominators using number lines >> Q.9 Add and subtract fractions with like denominators >> Q.11 Add and subtract fractions with like denominators: word problems >>
7.6: Rename Fractions and Mixed Numbers	P.4 Mixed number review >> P.23 Convert between improper fractions and mixed numbers >>
7.7: Add and Subtract Mixed Numbers	Q.14 Add and subtract mixed numbers with like denominators >>
7.8: Subtraction with Renaming	Q.14 Add and subtract mixed numbers with like denominators >>
7.9: Fractions and Properties of Addition	
7.10: Multistep Fraction Problems	

Chapter 8

Multiply Fractions by Whole Numbers

Textbook section	IXL skills
8.1: Multiples of Unit Fractions	S.1 Multiply unit fractions by whole numbers using number lines >>
	S.2 Multiply unit fractions by whole numbers using models >>
	S.3 Multiples of fractions >>
	S.5 Multiply unit fractions by whole numbers >>
	S.6 Multiply unit fractions by whole numbers: word problems >>
8.2: Multiples of Fractions	S.3 Multiples of fractions >>
	S.7 Multiply fractions by whole numbers using number lines >>
8.3: Multiply a Fraction by a Whole Number Using Models	S.2 Multiply unit fractions by whole numbers using models >>
	S.7 Multiply fractions by whole numbers using number lines >>
	S.8 Multiply fractions by whole numbers using models >>
	S.10 Multiply fractions by whole numbers >>
	S.12 Multiply fractions by whole numbers: word problems >>
8.4: Multiply a Fraction or Mixed Number by a Whole Number	S.13 Multiply fractions and mixed numbers by whole numbers in recipes >>
8.5: Comparison Problems with Fractions	S.6 Multiply unit fractions by whole numbers: word problems >>
	S.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>T.1 What decimal number is illustrated? >></p> <p>T.2 Model decimals and fractions >></p> <p>T.3 Understanding decimals expressed in words >></p> <p>T.4 Place values in decimal numbers >></p> <p>T.6 Graph decimals on number lines >></p> <p>T.8 Graph fractions as decimals on number lines >></p>
9.3: Equivalent Fractions and Decimals	<p>P.8 Fractions with denominators of 10, 100, and 1000 >></p> <p>T.5 Equivalent decimals >></p> <p>T.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>R.5 Add fractions with denominators of 10 and 100 >></p> <p>R.6 Add and subtract fractions with denominators of 10, 100, and 1000 >></p>
9.7: Compare Decimals	<p>T.14 Compare decimals on number lines >></p> <p>T.15 Compare decimal numbers >></p> <p>T.18 Compare decimals and fractions on number lines >></p> <p><i>See also:</i></p> <p>T.19 Compare decimals and fractions >></p>

Chapter 10

Two-Dimensional Figures

Textbook section	IXL skills
10.1: Lines, Rays, and Angles	W.4 Lines, line segments, and rays >> Z.1 Acute, right, obtuse, and straight angles >>
10.2: Classify Triangles by Angles	X.1 Acute, obtuse, and right triangles >>
10.3: Classify Triangles by Sides	X.2 Scalene, isosceles, and equilateral triangles >>
10.4: Parallel Lines and Perpendicular Lines	W.5 Parallel, perpendicular, and intersecting lines >>
10.5: Classify Quadrilaterals	X.9 Classify quadrilaterals >>
10.6: Line Symmetry	Y.1 Identify lines of symmetry >>
10.7: Find and Draw Lines of Symmetry	
10.8: Problem Solving - Shape Patterns	L.9 Number patterns: mixed review >>

Chapter 11

Angles

Textbook section	IXL skills
11.1: Angles and Fractional Parts of a Circle	
11.2: Degrees	Z.2 Angles of 90, 180, 270, and 360 degrees >>
11.3: Measure and Draw Angles	Z.3 Measure angles with a protractor >>
11.4: Join and Separate Angles	Z.5 Adjacent angles >>
11.5: Problem Solving - Unknown Angle Measures	Z.5 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.11 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.12 Compare and convert metric units of length >>
12.7: Metric Units of Mass and Liquid Volume	N.13 Compare and convert metric units of weight >> N.14 Compare and convert metric units of volume >> <i>See also:</i> N.16 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.10 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	BB.1 Perimeter >>
13.2: Area	BB.6 Find the area or missing side length of a rectangle >>
13.3: Area of Combined Rectangles	BB.7 Area of complex figures (with all right angles) >>
13.4: Find Unknown Measures	BB.1 Perimeter >> <i>See also:</i> BB.10 Relationship between area and perimeter >>
13.5: Problem Solving - Find the Area	BB.8 Area between two rectangles >>