



IXL Skill Alignment

5th alignment for California GO Math!

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Chapter 1

Place Value, Multiplication, and Expressions

Textbook section	IXL skills
1.1: Place Value and Patterns	
1.2: Place Value of Whole Numbers	A.1 Convert between standard and expanded form >>
1.3: Properties	B.6 Properties of addition >> C.6 Properties of multiplication >>
1.4: Powers of 10 and Exponents	C.3 Multiplication patterns over increasing place values >> <i>See also:</i> E.1 Understanding exponents >>
1.5: Multiplication patterns	C.3 Multiplication patterns over increasing place values >> C.4 Multiply numbers ending in zeroes >>
1.6: Multiply by 1-Digit Numbers	C.1 Multiply by 1-digit numbers >> C.2 Multiply by 1-digit numbers: word problems >>
1.7: Multiply by 2-Digit Numbers	C.8 Estimate products >> C.12 Multiply by 2-digit numbers: complete the missing steps >> C.13 Multiply 2-digit numbers by 2-digit numbers >> C.14 Multiply 2-digit numbers by 3-digit numbers >>
1.8: Relate Multiplication to Division	
1.9: Problem Solving - Multiplication and Division	P.1 Multi-step word problems >>
1.10: Numerical Expressions	
1.11: Evaluate Numerical Expressions	

1.12: Grouping Symbols**0.4**

Evaluate numerical expressions >>

Chapter 2

Divide Whole Numbers

Textbook section	IXL skills	
2.1: Place the First Digit	D.3	Divide multi-digit numbers by 1-digit numbers >>
2.2: Divide by 1-Digit Divisors	D.3	Divide multi-digit numbers by 1-digit numbers >>
	D.4	Divide multi-digit numbers by 1-digit numbers: word problems >>
2.3: Division with 2-Digit Divisors	D.11	Divide 2-digit and 3-digit numbers by 2-digit numbers >>
	D.12	Divide 2-digit and 3-digit numbers by 2-digit numbers: word problems >>
2.4: Partial Quotients	D.13	Divide larger numbers by 2-digit numbers >>
	D.14	Divide larger numbers by 2-digit numbers: word problems >>
2.5: Estimate with 2-Digit Divisors		
2.6: Divide by 2-Digit Divisors	D.11	Divide 2-digit and 3-digit numbers by 2-digit numbers >>
	D.12	Divide 2-digit and 3-digit numbers by 2-digit numbers: word problems >>
	D.13	Divide larger numbers by 2-digit numbers >>
	D.14	Divide larger numbers by 2-digit numbers: word problems >>
2.7: Interpret the Remainder	D.5	Divide by 1-digit numbers: interpret remainders >>
	D.12	Divide 2-digit and 3-digit numbers by 2-digit numbers: word problems >>
2.8: Adjust Quotients		
2.9: Problem Solving: Division	P.1	Multi-step word problems >>

Chapter 3

Add and Subtract Decimals

Textbook section	IXL skills
3.1: Thousandths	
3.2: Place Value of Decimals	G.3 Understanding decimals expressed in words >> G.4 Place values in decimal numbers >> G.5 Convert decimals between standard and expanded form >> G.16 Convert decimals between standard and expanded form using fractions >>
3.3: Compare and Order Decimals	G.10 Compare decimal numbers >> G.11 Put decimal numbers in order >>
3.4: Round Decimals	G.7 Round decimals >>
3.5: Decimal Addition	H.1 Add decimal numbers >>
3.6: Decimal Subtraction	H.2 Subtract decimal numbers >>
3.7: Estimate Decimal Sums and Differences	H.8 Estimate sums and differences of decimals >>
3.8: Add Decimals	H.1 Add decimal numbers >>
3.9: Subtract Decimals	H.2 Subtract decimal numbers >> H.4 Add and subtract decimals: word problems >>
3.10: Patterns with Decimals	G.19 Number sequences involving decimals >>
3.11: Problem Solving: Add and Subtract Money	S.1 Add and subtract money amounts >> S.2 Add and subtract money: word problems >>
3.12: Choose a Method	H.3 Add and subtract decimal numbers >> S.1 Add and subtract money amounts >> S.2 Add and subtract money: word problems >>

Chapter 4

Multiply Decimals

Textbook section	IXL skills	
4.1: Multiplication Patterns with Decimals	I.2	Multiply a decimal by a power of ten >>
4.2: Multiply Decimals and Whole Numbers	I.3	Multiply a decimal by a one-digit whole number >>
4.3: Multiplication with Decimals and Whole Numbers	I.3	Multiply a decimal by a one-digit whole number >>
4.4: Multiply Using Expanded Form		
4.5: Problem Solving: Multiply Money	S.3	Multiply money amounts: word problems >>
4.6: Decimal Multiplication	I.7	Multiply two decimals using grids >>
4.7: Multiply Decimals	I.8	Multiply two decimals >>
4.8: Zeros in the Product	I.8	Multiply two decimals >>

Chapter 5

Divide Decimals

Textbook section	IXL skills
5.1: Division Patterns with Decimals	J.2 Decimal division patterns over increasing place values >>
5.2: Divide Decimals by Whole Numbers	
5.3: Estimate Quotients	
5.4: Division of Decimals by Whole Numbers	
5.5: Decimal Division	
5.6: Divide Decimals	
5.7: Write Zeros in the Dividend	J.3 Division with decimal quotients >>
5.8: Problem Solving: Decimal Operations	I.5 Multiply decimals and whole numbers: word problems >>
	O.6 Add, subtract, multiply, and divide decimals: word problems >>
	P.1 Multi-step word problems >>

Chapter 6

Add and Subtract Fractions with Unlike Denominators

Textbook section	IXL skills
6.1: Addition with Unlike Denominators	L.6 Add fractions with unlike denominators using models >>
	L.8 Add fractions with unlike denominators >>
6.2: Subtraction with Unlike Denominators	L.9 Subtract fractions with unlike denominators using models >>
	L.10 Subtract fractions with unlike denominators >>
	L.11 Add and subtract fractions with unlike denominators: word problems >>
6.3: Estimate Fraction Sums and Differences	L.17 Estimate sums and differences of mixed numbers >>
6.4: Factors	F.1 Prime and composite numbers >>
	F.2 Prime factorization >>
6.5: Common Denominators and Equivalent Fractions	K.4 Equivalent fractions >>
	K.7 Least common denominator >>
6.6: Add and Subtract Fractions	L.8 Add fractions with unlike denominators >>
	L.10 Subtract fractions with unlike denominators >>
	L.11 Add and subtract fractions with unlike denominators: word problems >>
6.7: Add and Subtract Mixed Numbers	L.18 Add mixed numbers with unlike denominators >>
	L.19 Subtract mixed numbers with unlike denominators >>
	L.20 Add and subtract mixed numbers: word problems >>
6.8: Subtraction with Renaming	L.19 Subtract mixed numbers with unlike denominators >>
6.9: Patterns with Fractions	K.12 Arithmetic sequences with fractions >>

6.10: Problem Solving: Practice Addition and Subtraction

L.20 Add and subtract mixed numbers: word problems >>

6.11: Use Properties of Addition

L.12 Add 3 or more fractions with unlike denominators >>

L.13 Add 3 or more fractions: word problems >>

Chapter 7

Multiply Fractions

Textbook section	IXL skills
7.1: Find Part of a Group	M.8 Multiply fractions by whole numbers I >>
7.2: Multiply Fractions and Whole Numbers	M.1 Multiply unit fractions by whole numbers using number lines >> M.2 Multiply unit fractions by whole numbers using models >> M.5 Multiply fractions by whole numbers using number lines >> M.6 Multiply fractions by whole numbers using models >> M.8 Multiply fractions by whole numbers I >> M.9 Multiply fractions by whole numbers II >>
7.3: Fraction and Whole Number Multiplication	M.8 Multiply fractions by whole numbers I >> M.9 Multiply fractions by whole numbers II >>
7.4: Multiply Fractions	M.12 Multiply two unit fractions using models >> M.14 Multiply two fractions using models >>
7.5: Compare Fraction Factors and Products	M.4 Multiply unit fractions and whole numbers: sorting >> M.7 Multiply fractions and whole numbers: sorting >> M.17 Scaling whole numbers by fractions >> M.18 Scaling fractions by fractions >>
7.6: Fraction Multiplication	M.14 Multiply two fractions using models >> M.15 Multiply two fractions >> M.16 Multiply two fractions: word problems >>
7.7: Area and Mixed Numbers	
7.8: Compare Mixed Number Factors and Products	M.19 Scaling mixed numbers by fractions >>

7.9: Multiply Mixed Numbers**M.23** Multiply a mixed number by a whole number >>**M.24** Multiply a mixed number by a fraction >>**M.25** Multiply two mixed numbers >>**7.10:** Problem Solving: Find Unknown Lengths

Chapter 8

Divide Fractions

Textbook section	IXL skills	
8.1: Divide Fractions and Whole Numbers	N.1	Divide unit fractions by whole numbers >>
	N.2	Divide whole numbers by unit fractions using models >>
	N.3	Divide whole numbers by unit fractions >>
	N.4	Divide whole numbers and unit fractions >>
	N.5	Divide fractions by whole numbers >>
	N.8	Divide whole numbers by fractions >>
8.2: Problem Solving: Use Multiplication	N.2	Divide whole numbers by unit fractions using models >>
8.3: Connect Fractions to Division		
8.4: Fraction and Whole-Number Division	N.5	Divide fractions by whole numbers >>
	N.8	Divide whole numbers by fractions >>
8.5: Interpret Division with Fractions	N.7	Divide unit fractions by whole numbers: word problems >>

Chapter 9

Algebra: Patterns and Graphing

Textbook section	IXL skills
9.1: Line Plots	W.10 Interpret line plots >> W.11 Create line plots >>
9.2: Ordered Pairs	U.1 Objects on a coordinate plane >> U.2 Graph points on a coordinate plane >> U.3 Coordinate planes as maps >>
9.3: Graph Data	W.3 Create line graphs >>
9.4: Line Graphs	W.2 Interpret line graphs >> W.3 Create line graphs >>
9.5: Numerical Patterns	C.22 Multiplication input/output tables >> T.2 Complete a geometric number sequence >> T.4 Number sequences: word problems >>
9.6: Problem Solving: Find a Rule	C.23 Multiplication input/output tables: find the rule >>
9.7: Graph and Analyze Relationships	V.10 Graph a two-variable relationship >>

Chapter 10

Convert Units of Measure

Textbook section	IXL skills
10.1: Customary Length	Z.2 Compare and convert customary units of length >>
10.2: Customary Capacity	Z.4 Compare and convert customary units of volume >>
10.3: Weight	Z.3 Compare and convert customary units of weight >>
10.4: Multistep Measurement Problems	
10.5: Metric Measures	Z.8 Compare and convert metric units of length >> Z.9 Compare and convert metric units of weight >> Z.10 Compare and convert metric units of volume >> Z.11 Compare and convert metric units >> <i>See also:</i> Z.12 Conversion tables - metric units >>
10.6: Problem Solving: Customary and Metric Conversions	Z.5 Compare and convert customary units >> Z.11 Compare and convert metric units >> <i>See also:</i> Z.6 Conversion tables - customary units >> Z.12 Conversion tables - metric units >> Z.13 Compare customary units by multiplying >>
10.7: Elapsed Time	Y.1 Convert time units >> Y.2 Add and subtract mixed time units >> Y.4 Elapsed time >> Y.5 Find start and end times: word problems >>

Chapter 11

Geometry and Volume

Textbook section	IXL skills
11.1: Polygons	AA.1 Is it a polygon? >> AA.2 Number of sides in polygons >> AA.3 Regular and irregular polygons >>
11.2: Triangles	BB.3 Classify triangles >>
11.3: Quadrilaterals	BB.9 Classify quadrilaterals >>
11.4: Problem Solving: Properties of Two-Dimensional Figures	
11.5: Three-Dimensional Figures	DD.1 Identify three-dimensional figures >>
11.6: Unit Cubes and Solid Figures	EE.11 Volume of rectangular prisms made of unit cubes >>
11.7: Understand Volume	EE.11 Volume of rectangular prisms made of unit cubes >> EE.12 Volume of irregular figures made of unit cubes >>
11.8: Estimate Volume	
11.9: Volume of Rectangular Prisms	EE.13 Volume of cubes and rectangular prisms >>
11.10: Apply Volume Formulas	EE.13 Volume of cubes and rectangular prisms >>
11.11: Problem Solving: Compare Volumes	
11.12: Find Volume of Composed Figures	