



IXL Skill Alignment

6th alignment for GO Math! 2011 Common Core Edition

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Chapter 1

Whole Numbers and Decimals

Textbook section	IXL skills
1.1: Divide Multi-Digit Numbers	C.5 Divide whole numbers - 2-digit divisors >> <i>See also:</i> C.4 Estimate quotients >>
1.2: Prime Factorization	C.1 Divisibility rules >> E.4 Identify factors >> E.5 Prime factorization >>
1.3: Least Common Multiple	E.8 Least common multiple >>
1.4: Greatest Common Factor	E.7 Greatest common factor >>
1.5: Problem Solving - Apply the Greatest Common Factor	
1.6: Add and Subtract Decimals	G.1 Add and subtract decimal numbers >> G.2 Add and subtract decimals: word problems >> G.3 Estimate sums and differences of decimals >>
1.7: Multiply Decimals	H.1 Estimate products of decimal numbers >> H.2 Multiply decimals >>
1.8: Divide Decimals by Whole Numbers	H.4 Divide decimals by whole numbers >>
1.9: Divide with Decimals	H.7 Division with decimal quotients >>

Chapter 2

Fractions

Textbook section	IXL skills
2.1: Fractions and Decimals	I.10 Convert between decimals and fractions >>
2.2: Compare and Order Fractions and Decimals	I.7 Compare fractions with like and unlike denominators >> I.12 Put a mix of decimals, fractions, and mixed numbers in order >>
2.3: Multiply Fractions	K.1 Fractions of whole numbers I >> K.2 Fractions of whole numbers II >> K.6 Multiply two fractions >> K.10 Multiply mixed numbers and whole numbers >> K.11 Multiply mixed numbers >>
2.4: Simplify Factors	
2.5: Model Fraction Division	L.1 Divide whole numbers by unit fractions using models >>
2.6: Estimate Quotients	
2.7: Divide Fractions	L.3 Divide whole numbers and unit fractions >> L.5 Divide fractions >>
2.8: Model Mixed Number Division	
2.9: Divide Mixed Numbers	L.7 Divide fractions and mixed numbers >> L.8 Divide fractions and mixed numbers: word problems >>
2.10: Problem Solving: Fraction Operations	

Chapter 3

Rational Numbers

Textbook section	IXL skills
3.1: Understand Positive and Negative Numbers	M.1 Understanding integers >> M.2 Integers on number lines >>
3.2: Compare and Order Integers	M.5 Compare integers >>
3.3: Rational Numbers and the Number Line	M.4 Graph integers on horizontal and vertical number lines >>
3.4: Compare and Order Rational Numbers	P.1 Compare rational numbers >> P.2 Put rational numbers in order >>
3.5: Absolute Value	M.3 Absolute value and opposite integers >> P.3 Absolute value of rational numbers >>
3.6: Compare Absolute Values	
3.7: Rational Numbers and the Coordinate Plane	X.2 Graph points on a coordinate plane >>
3.8: Ordered Pair Relationships	X.1 Objects on a coordinate plane >>
3.9: Distance on the Coordinate Plane	X.5 Distance between two points >>
3.10: Problem Solving: The Coordinate Plane	X.4 Coordinate planes as maps >> X.6 Follow directions on a coordinate plane >>

Chapter 4

Ratios and Rates

Textbook section	IXL skills
4.1: Model Ratios	R.1 Write a ratio >> R.2 Write a ratio: word problems >> R.5 Ratio tables >>
4.2: Ratios and Rates	R.1 Write a ratio >> R.2 Write a ratio: word problems >> R.5 Ratio tables >>
4.3: Equivalent Ratios and Multiplication Tables	R.3 Identify equivalent ratios >> R.5 Ratio tables >> R.6 Equivalent ratios: word problems >>
4.4: Problem Solving: Use Tables to Compare Ratios	R.6 Equivalent ratios: word problems >>
4.5: Use Equivalent Ratios	
4.6: Find Unit Rates	R.7 Unit rates and equivalent rates >> <i>See also:</i> R.8 Compare ratios: word problems >>
4.7: Use Unit Rates	R.9 Unit rates: word problems >>
4.8: Equivalent Ratios and Graphs	

Chapter 5

Percents

Textbook section	IXL skills
5.1: Model Percents	
5.2: Write Percents as Fractions and Decimals	S.1 Convert between percents, fractions, and decimals >>
5.3: Write Fractions and Decimals as Percents	S.1 Convert between percents, fractions, and decimals >>
5.4: Percent of a Quantity	S.4 Percents of numbers and money amounts >> S.5 Percents of numbers: word problems >>
5.5: Problem Solving: Percents	
5.6: Find the Whole from a Percent	

Chapter 6

Units of Measure

Textbook section	IXL skills
6.1: Convert Units of Length	
6.2: Convert Units of Capacity	
6.3: Convert Units of Weight and Mass	
6.4: Transform Units	R.9 Unit rates: word problems >>
6.5: Problem Solving: Distance, Rate, and Time Formulas	

Chapter 7

Exponents

Textbook section	IXL skills
7.1: Exponents	D.1 Write multiplication expressions using exponents >>
	D.2 Evaluate exponents >>
7.2: Evaluate Expressions Involving Exponents	
7.3: Write Algebraic Expressions	Y.1 Write variable expressions >>
	Y.2 Write variable expressions: word problems >>
7.4: Identify Parts of Expressions	
7.5: Evaluate Algebraic Expressions and Formulas	Y.3 Evaluate variable expressions with whole numbers >>
7.6: Use Algebraic Expressions	Y.2 Write variable expressions: word problems >>
	Y.3 Evaluate variable expressions with whole numbers >>
7.7: Problem Solving - Combine Like Terms	Y.14 Add and subtract like terms >>
7.8: Generate Equivalent Expressions	Y.13 Write equivalent expressions using properties >>
7.9: Identify Equivalent Expressions	Y.13 Write equivalent expressions using properties >>

Chapter 8

Algebra: Equations and Inequalities

Textbook section	IXL skills
8.1: Solutions of Equations	Z.1 Does x satisfy an equation? >>
8.2: Write Equations	Y.2 Write variable expressions: word problems >>
	Z.3 Write an equation from words >>
8.3: Model and Solve Addition Equations	Z.4 Model and solve equations using algebra tiles >>
8.4: Solve Addition and Subtraction Equations	
8.5: Model and Solve Multiplication Equations	
8.6: Solve Multiplication and Division Equations	Z.6 Solve one-step equations with whole numbers >>
	Z.7 Solve one-step equations with decimals, fractions, and mixed numbers >>
8.7: Problem Solving - Equations with Fractions	
8.8: Solutions of Inequalities	AA.1 Solutions to inequalities >>
8.9: Write Inequalities	
8.10: Graph Inequalities	AA.3 Write inequalities from number lines >>

Chapter 9

Algebra: Relationships Between Variables

Textbook section	IXL skills
9.1: Independent and Dependent Variables	BB.2 Identify independent and dependent variables >>
9.2: Equations and Tables	BB.5 Complete a table for a two-variable relationship >>
	BB.6 Write a two-variable equation >>
9.3: Problem Solving - Analyze Relationships	
9.4: Graph Relationships	BB.7 Identify the graph of an equation >>
9.5: Equations and Graphs	BB.8 Graph a two-variable equation >>
	BB.10 Write an equation from a graph using a table >>

Chapter 10

Area

Textbook section	IXL skills
10.1: Area of Parallelograms	
10.2: Explore Area of Triangles	
10.3: Area of Triangles	
10.4: Explore Area of Trapezoids	
10.5: Area of Trapezoids	FF.5 Area of quadrilaterals >>
10.6: Area of Regular Polygons	
10.7: Composite Figures	FF.6 Area of compound figures >> <i>See also:</i> FF.7 Area between two rectangles >>
10.8: Problem Solving - Changing Dimensions	
10.9: Figures on the Coordinate Plane	X.2 Graph points on a coordinate plane >> X.5 Distance between two points >>

Chapter 11

Surface Area and Volume

Textbook section	IXL skills
11.1: Three-Dimensional Figures and Nets	EE.3 Nets of three-dimensional figures >> <i>See also:</i> EE.2 Which figure is being described? >>
11.2: Explore Surface Area Using Nets	FF.15 Surface area of cubes and rectangular prisms >>
11.3: Surface Area of Prisms	FF.15 Surface area of cubes and rectangular prisms >>
11.4: Surface Area of Pyramids	
11.5: Fractions and Volume	FF.14 Volume of cubes and rectangular prisms >>
11.6: Volume of Rectangular Prisms	FF.14 Volume of cubes and rectangular prisms >>
11.7: Problem Solving - Geometric Measurements	

Chapter 12

Data Displays and Measures of Center

Textbook section	IXL skills
12.1: Recognize Statistical Questions	
12.2: Describe Data Collection	
12.3: Dot Plots and Frequency Tables	GG.3 Interpret line plots >> GG.4 Create line plots >> GG.6 Create frequency tables >>
12.4: Histograms	GG.11 Interpret histograms >> GG.12 Create histograms >>
12.5: Mean as Fair Share and Balance Point	
12.6: Measures of Center	HH.1 Calculate mean, median, mode, and range >>
12.7: Effects of Outliers	
12.8: Problem Solving - Data Displays	GG.3 Interpret line plots >> GG.4 Create line plots >> GG.6 Create frequency tables >> GG.12 Create histograms >>

Chapter 13

Variability and Data Distributions

Textbook section	IXL skills
13.1: Patterns in Data	
13.2: Box Plots	GG.19 Interpret box-and-whisker plots >>
13.3: Mean Absolute Deviation	
13.4: Measures of Variability	
13.5: Choose Appropriate Measures of Center and Variability	HH.1 Calculate mean, median, mode, and range >>
13.6: Apply Measures of Center and Variability	
13.7: Describe Distributions	
13.8: Problem Solving - Misleading Statistics	