IXL Skill Alignment

6th alignment for GO Math! 2011 Common Core Edition

IXL

Chapter 1
Whole Numbers and Decimals

Textbook section	IXL skills	
1.1: Divide Multi-Digit Numbers	**C.5**	Divide whole numbers - 2-digit divisors >>
	See also:	
	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 >>
	See also:	
	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.2**	Convert between percents, fractions, and decimals >>
5.3: Write Fractions and Decimals as Percents	**S.2**	Convert between percents, fractions, and decimals >>
5.4: Percent of a Quantity	**S.5**	Percents of numbers and money amounts >>
	S.6	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 >>
	See also:	
	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 >>
	See also:	
	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		

IXL

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		