



IXL Skill Alignment

6th grade 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	<ol style="list-style-type: none">1. Divide whole numbers - 2-digit divisors FL2 <p><i>Also consider</i></p> <ul style="list-style-type: none">• Estimate quotients 5RQ
1.2: Prime Factorization	<ol style="list-style-type: none">1. Divisibility rules WCD2. Identify factors BGJ3. Prime factorization 9CP
1.3: Least Common Multiple	<ol style="list-style-type: none">1. Least common multiple NGA
1.4: Greatest Common Factor	<ol style="list-style-type: none">1. Greatest common factor AMB
1.5: Problem Solving - Apply the Greatest Common Factor	
1.6: Add and Subtract Decimals	<ol style="list-style-type: none">1. Add and subtract decimal numbers 79J2. Add and subtract decimals: word problems 97T3. Estimate sums and differences of decimals SJ6
1.7: Multiply Decimals	<ol style="list-style-type: none">1. Estimate products of decimal numbers EPL2. Multiply decimals 2WT
1.8: Divide Decimals by Whole Numbers	<ol style="list-style-type: none">1. Divide decimals by whole numbers NLL
1.9: Divide with Decimals	<ol style="list-style-type: none">1. Division with decimal quotients BFR

Chapter 2

Fractions

Textbook section	IXL skills
2.1: Fractions and Decimals	1. Convert between decimals and fractions FL5
2.2: Compare and Order Fractions and Decimals	1. Compare fractions with like and unlike denominators SX9 2. Put a mix of decimals, fractions, and mixed numbers in order AWV
2.3: Multiply Fractions	1. Fractions of whole numbers I CGR 2. Fractions of whole numbers II RLN 3. Multiply two fractions BNT 4. Multiply mixed numbers and whole numbers VUH 5. Multiply mixed numbers Z9M
2.4: Simplify Factors	
2.5: Model Fraction Division	1. Divide whole numbers by unit fractions using models DXW
2.6: Estimate Quotients	
2.7: Divide Fractions	1. Divide whole numbers and unit fractions DPA 2. Divide fractions DS2
2.8: Model Mixed Number Division	
2.9: Divide Mixed Numbers	1. Divide fractions and mixed numbers N2B 2. Divide fractions and mixed numbers: word problems WAH
2.10: Problem Solving: Fraction Operations	

Chapter 3

Rational Numbers

Textbook section	IXL skills
3.1: Understand Positive and Negative Numbers	<ol style="list-style-type: none">1. Understanding integers 8EP2. Integers on number lines K6J
3.2: Compare and Order Integers	<ol style="list-style-type: none">1. Compare integers 4G6
3.3: Rational Numbers and the Number Line	<ol style="list-style-type: none">1. Graph integers on horizontal and vertical number lines 36C
3.4: Compare and Order Rational Numbers	<ol style="list-style-type: none">1. Compare rational numbers KS22. Put rational numbers in order 5AX
3.5: Absolute Value	<ol style="list-style-type: none">1. Absolute value 2YZ2. Absolute value of rational numbers KGX
3.6: Compare Absolute Values	
3.7: Rational Numbers and the Coordinate Plane	<ol style="list-style-type: none">1. Graph points on a coordinate plane VHQ
3.8: Ordered Pair Relationships	<ol style="list-style-type: none">1. Objects on a coordinate plane GFN
3.9: Distance on the Coordinate Plane	<ol style="list-style-type: none">1. Distance between two points A7P
3.10: Problem Solving: The Coordinate Plane	<ol style="list-style-type: none">1. Coordinate planes as maps N962. Follow directions on a coordinate plane XDQ

Chapter 4

Ratios and Rates

Textbook section	IXL skills
4.1: Model Ratios	<ol style="list-style-type: none">1. Write a ratio 83K2. Write a ratio: word problems SBQ3. Ratio tables PPF
4.2: Ratios and Rates	<ol style="list-style-type: none">1. Write a ratio 83K2. Write a ratio: word problems SBQ3. Ratio tables PPF
4.3: Equivalent Ratios and Multiplication Tables	<ol style="list-style-type: none">1. Identify equivalent ratios 2LM2. Ratio tables PPF3. Equivalent ratios: word problems RLZ
4.4: Problem Solving: Use Tables to Compare Ratios	<ol style="list-style-type: none">1. Equivalent ratios: word problems RLZ
4.5: Use Equivalent Ratios	
4.6: Find Unit Rates	<ol style="list-style-type: none">1. Unit rates JSZ <p><i>Also consider</i></p> <ul style="list-style-type: none">• Compare ratios: word problems 2HT
4.7: Use Unit Rates	<ol style="list-style-type: none">1. Ratios and rates: word problems ZB9
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	1. Convert between percents, fractions, and decimals ZAV
5.3: Write Fractions and Decimals as Percents	1. Convert between percents, fractions, and decimals ZAV
5.4: Percent of a Quantity	1. Percents of numbers and money amounts 8N4 2. Percents of numbers: word problems BBY
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	1. Ratios and rates: word problems ZB9
6.5: Problem Solving: Distance, Rate, and Time Formulas	

Chapter 7

Exponents

Textbook section	IXL skills
7.1: Exponents	<ol style="list-style-type: none">1. Write multiplication expressions using exponents TY52. Evaluate exponents XDA
7.2: Evaluate Expressions Involving Exponents	
7.3: Write Algebraic Expressions	<ol style="list-style-type: none">1. Write variable expressions: two operations CX92. Write variable expressions: word problems 6LQ
7.4: Identify Parts of Expressions	
7.5: Evaluate Algebraic Expressions and Formulas	<ol style="list-style-type: none">1. Evaluate variable expressions with whole numbers Q8Z
7.6: Use Algebraic Expressions	<ol style="list-style-type: none">1. Write variable expressions: word problems 6LQ2. Evaluate variable expressions with whole numbers Q8Z
7.7: Problem Solving - Combine Like Terms	<ol style="list-style-type: none">1. Add and subtract like terms CN9
7.8: Generate Equivalent Expressions	<ol style="list-style-type: none">1. Write equivalent expressions using properties R8H
7.9: Identify Equivalent Expressions	<ol style="list-style-type: none">1. Write equivalent expressions using properties R8H

Chapter 8

Algebra: Equations and Inequalities

Textbook section	IXL skills
8.1: Solutions of Equations	1. Does x satisfy an equation? VMB
8.2: Write Equations	1. Write variable expressions: word problems 6LQ 2. Write an equation from words AN8
8.3: Model and Solve Addition Equations	1. Model and solve equations using algebra tiles G6Z
8.4: Solve Addition and Subtraction Equations	
8.5: Model and Solve Multiplication Equations	
8.6: Solve Multiplication and Division Equations	1. Solve one-step equations with whole numbers WLR 2. Solve one-step multiplication and division equations with decimals, fractions, and whole numbers T53
8.7: Problem Solving - Equations with Fractions	
8.8: Solutions of Inequalities	1. Solutions to inequalities P9N
8.9: Write Inequalities	
8.10: Graph Inequalities	1. Write inequalities from number lines N99

Chapter 9

Algebra: Relationships Between Variables

Textbook section	IXL skills
9.1: Independent and Dependent Variables	1. Identify independent and dependent variables: word problems 9UJ
9.2: Equations and Tables	1. Complete a table for a two-variable relationship TZB 2. Write a two-variable equation 2RE
9.3: Problem Solving - Analyze Relationships	
9.4: Graph Relationships	1. Identify the graph of an equation WN7
9.5: Equations and Graphs	1. Graph a two-variable equation TJA 2. Write an equation from a graph using a table BCM

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	1. Area of quadrilaterals 27F
10.6: Area of Regular Polygons	
10.7: Composite Figures	1. Area of compound figures 76U <i>Also consider</i> <ul style="list-style-type: none">• Area between two rectangles EY6
10.8: Problem Solving - Changing Dimensions	
10.9: Figures on the Coordinate Plane	1. Graph points on a coordinate plane VHQ 2. Distance between two points A7P

Chapter 11

Surface Area and Volume

Textbook section	IXL skills
11.1: Three-Dimensional Figures and Nets	1. Nets of three-dimensional figures 8KP <i>Also consider</i> <ul style="list-style-type: none">• Which figure is being described? WPF
11.2: Explore Surface Area Using Nets	1. Surface area of cubes and rectangular prisms RMG
11.3: Surface Area of Prisms	1. Surface area of cubes and rectangular prisms RMG
11.4: Surface Area of Pyramids	
11.5: Fractions and Volume	1. Volume of cubes and rectangular prisms XHF
11.6: Volume of Rectangular Prisms	1. Volume of cubes and rectangular prisms XHF
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	<ol style="list-style-type: none">1. Interpret line plots M5Y2. Create line plots 5HD3. Create frequency charts W8X
12.4: Histograms	<ol style="list-style-type: none">1. Interpret histograms CBF2. Create histograms 7NG
12.5: Mean as Fair Share and Balance Point	
12.6: Measures of Center	<ol style="list-style-type: none">1. Calculate mean, median, mode, and range ZZK
12.7: Effects of Outliers	
12.8: Problem Solving - Data Displays	<ol style="list-style-type: none">1. Interpret line plots M5Y2. Create line plots 5HD3. Create frequency charts W8X4. Create histograms 7NG

Chapter 13

Variability and Data Distributions

Textbook section	IXL skills
13.1: Patterns in Data	
13.2: Box Plots	1. Box plots E9F
13.3: Mean Absolute Deviation	
13.4: Measures of Variability	
13.5: Choose Appropriate Measures of Center and Variability	1. Calculate mean, median, mode, and range ZZK
13.6: Apply Measures of Center and Variability	
13.7: Describe Distributions	
13.8: Problem Solving - Misleading Statistics	