



IXL Skill Alignment

6th grade alignment for Glencoe Math Common Core Edition



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Chapter 1

Ratios and Rates

Textbook section	IXL skills
Lesson 1: Factors and Multiples	<ol style="list-style-type: none">1. Greatest common factor AMB2. Least common multiple NGA3. GCF and LCM: word problems ZB8
Lesson 2: Ratios	<ol style="list-style-type: none">1. Write a ratio 83K2. Write a ratio: word problems SBQ
Lesson 3: Rates	<ol style="list-style-type: none">1. Unit rates JSZ2. Unit prices UKD3. Unit prices with fractions and decimals 9NF
Lesson 4: Ratio Tables	<ol style="list-style-type: none">1. Ratio tables PPF
Lesson 5: Graph Ratio Tables	
Lesson 6: Equivalent Ratios	<ol style="list-style-type: none">1. Identify equivalent ratios 2LM2. Write an equivalent ratio NEA3. Equivalent ratios: word problems RLZ4. Unit rates JSZ
Lesson 7: Ratio and Rate Problems	<ol style="list-style-type: none">1. Ratios and rates: word problems ZB9

Chapter 2

Fractions, Decimals, and Percents

Textbook section	IXL skills
Lesson 1: Decimals and Fractions	<ol style="list-style-type: none">1. Convert between decimals and fractions FL52. Convert between decimals and mixed numbers PD8
Lesson 2: Percents and Fractions	
Lesson 3: Percents and Decimals	
Lesson 4: Percents Greater than 100% and Percents Less than 1%	<ol style="list-style-type: none">1. Convert between percents, fractions, and decimals ZAV
Lesson 5: Compare and Order Fractions, Decimals, and Percents	<ol style="list-style-type: none">1. Compare fractions with like and unlike denominators SX92. Compare fractions: word problems YCF3. Put a mix of decimals, fractions, and mixed numbers in order AWV4. Compare percents to each other and to fractions GBY5. Compare percents and fractions: word problems 9C8
Lesson 6: Estimate with Percents	
Lesson 7: Percent of a Number	<ol style="list-style-type: none">1. Percents of numbers and money amounts 8N42. Percents of numbers: word problems BBY3. Percents of numbers: fractional and decimal percents CD5
Lesson 8: Solve Percent Problems	<ol style="list-style-type: none">1. Find the total given a part and a percent D6L2. Sale prices: find the original price NW7

Chapter 3

Compute with Multi-Digit Numbers

Textbook section	IXL skills
Lesson 1: Add and Subtract Decimals	<ol style="list-style-type: none">1. Add and subtract decimal numbers 79J2. Add and subtract decimals: word problems 97T3. Maps with decimal distances J7D
Lesson 2: Estimate Products	<ol style="list-style-type: none">1. Estimate products of decimal numbers EPL
Lesson 3: Multiply Decimals by Whole Numbers	
Lesson 4: Multiply Decimals by Decimals	<ol style="list-style-type: none">1. Multiply decimals 2WT
Lesson 5: Divide Multi-Digit Numbers	<ol style="list-style-type: none">1. Divide numbers ending in zeroes: word problems 95H2. Divide whole numbers - 2-digit divisors FL23. Divide whole numbers - 3-digit divisors STW
Lesson 6: Estimate Quotients	
Lesson 7: Divide Decimals by Whole Numbers	<ol style="list-style-type: none">1. Divide decimals by whole numbers NLL2. Divide decimals by whole numbers: word problems TWZ
Lesson 8: Divide Decimals by Decimals	<ol style="list-style-type: none">1. Division with decimal quotients BFR

Chapter 4

Multiply and Divide Fractions

Textbook section	IXL skills
Lesson 1: Estimate Products of Fractions	<ol style="list-style-type: none"> 1. Estimate products of fractions and whole numbers EFY 2. Estimate products of mixed numbers 5BG
Lesson 2: Multiply Fractions and Whole Numbers	<ol style="list-style-type: none"> 1. Fractions of whole numbers I CGR 2. Fractions of whole numbers II RLN 3. Fractions of a number: word problems 88T
Lesson 3: Multiply Fractions	<ol style="list-style-type: none"> 1. Multiply two fractions using models B7P 2. Multiply two fractions BNT 3. Multiply fractions: word problems 94H
Lesson 4: Multiply Mixed Numbers	<ol style="list-style-type: none"> 1. Multiply mixed numbers and whole numbers VUH 2. Multiply mixed numbers Z9M 3. Multiply mixed numbers: word problems 3P8 4. Multiply three or more mixed numbers, fractions, and/or whole numbers W5G
Lesson 5: Convert Measurement Units	<ol style="list-style-type: none"> 1. Convert and compare customary units 9TJ 2. Customary unit conversions involving fractions and mixed numbers UHE
Lesson 6: Divide Whole Numbers by Fractions	<ol style="list-style-type: none"> 1. Divide whole numbers by unit fractions using models DXW 2. Reciprocals 5BT
Lesson 7: Divide Fractions	<ol style="list-style-type: none"> 1. Divide whole numbers and unit fractions DPA 2. Divide fractions DS2
Lesson 8: Divide Mixed Numbers	<ol style="list-style-type: none"> 1. Divide fractions by whole numbers in recipes ENK 2. Divide fractions and mixed numbers N2B 3. Divide fractions and mixed numbers: word problems WAH

Chapter 5

Integers and the Coordinate Plane

Textbook section	IXL skills
Lesson 1: Integers and Graphing	<ol style="list-style-type: none">1. Understanding integers 8EP2. Integers on number lines K6J3. Graph integers on horizontal and vertical number lines 36C
Lesson 2: Absolute Value	<ol style="list-style-type: none">1. Absolute value 2YZ2. Absolute value of rational numbers KGX
Lesson 3: Compare and Order Integers	<ol style="list-style-type: none">1. Compare integers 4G62. Put integers in order CMQ3. Compare temperatures above and below zero UVD
Lesson 4: Terminating and Repeating Decimals	
Lesson 5: Compare and Order Rational Numbers	<ol style="list-style-type: none">1. Compare rational numbers KS22. Put rational numbers in order 5AX
Lesson 6: The Coordinate Plane	<ol style="list-style-type: none">1. Objects on a coordinate plane GFN2. Quadrants F5T3. Coordinate planes as maps N96
Lesson 7: Graph on the Coordinate Plane	<ol style="list-style-type: none">1. Graph points on a coordinate plane VHQ2. Distance between two points A7P3. Follow directions on a coordinate plane XDQ

Chapter 6

Expressions

Textbook section	IXL skills
Lesson 1: Powers and Exponents	<ol style="list-style-type: none">1. Write multiplication expressions using exponents TY52. Evaluate exponents XDA3. Exponents with decimal bases D5D4. Exponents with fractional bases GEQ
Lesson 2: Numerical Expressions	<ol style="list-style-type: none">1. Evaluate numerical expressions involving whole numbers MLU2. Evaluate numerical expressions involving decimals YEE3. Evaluate numerical expressions involving fractions WNE4. Evaluate numerical expressions involving integers K6R5. Identify mistakes involving the order of operations V46
Lesson 3: Algebra: Variables and Expressions	<ol style="list-style-type: none">1. Evaluate variable expressions with whole numbers Q8Z2. Evaluate multi-variable expressions HC93. Evaluate variable expressions with decimals, fractions, and mixed numbers 49T
Lesson 4: Algebra: Write Expressions	<ol style="list-style-type: none">1. Write variable expressions: two operations CX92. Write variable expressions: word problems 6LQ
Lesson 5: Algebra: Properties	<ol style="list-style-type: none">1. Properties of addition JRM2. Properties of multiplication HC8
Lesson 6: The Distributive Property	<ol style="list-style-type: none">1. Multiply using the distributive property 2HH2. Factor using the distributive property PGZ
Lesson 7: Equivalent Expressions	<ol style="list-style-type: none">1. Identify terms and coefficients 9KE2. Write equivalent expressions using properties R8H



3. Identify equivalent expressions II HTG

Chapter 7

Equations

Textbook section	IXL skills
Lesson 1: Equations	<ol style="list-style-type: none">1. Does x satisfy an equation? VMB2. Which x satisfies an equation? VG8
Lesson 2: Solve and Write Addition Equations	
Lesson 3: Solve and Write Subtraction Equations	
Lesson 4: Solve and Write Multiplication Equations	<ol style="list-style-type: none">1. Model and solve equations using algebra tiles G6Z2. Write and solve equations that represent diagrams FSQ
Lesson 5: Solve and Write Division Equations	<ol style="list-style-type: none">1. Solve one-step equations with whole numbers WLR2. Solve one-step multiplication and division equations with decimals, fractions, and whole numbers T533. Solve one-step equations: word problems BXY

Chapter 8

Functions and Inequalities

Textbook section	IXL skills
Lesson 1: Function Tables	<ol style="list-style-type: none">1. Identify independent and dependent variables: word problems 9UJ2. Complete a table for a two-variable relationship TZB
Lesson 2: Function Rules	
Lesson 3: Function and Equations	<ol style="list-style-type: none">1. Identify the graph of an equation WN72. Write an equation from a graph using a table BCM
Lesson 4: Multiple Representations of Functions	<ol style="list-style-type: none">1. Find a value using two-variable equations: word problems XRJ2. Write a two-variable equation 2RE3. Interpret a graph: word problems KZD
Lesson 5: Inequalities	<ol style="list-style-type: none">1. Solutions to inequalities P9N
Lesson 6: Write and Graph Inequalities	<ol style="list-style-type: none">1. Graph inequalities on number lines CXX2. Write inequalities from number lines N99
Lesson 7: Solve One-Step Inequalities	<ol style="list-style-type: none">1. Solve one-step inequalities KRH2. Graph solutions to one-step inequalities PPC

Chapter 9

Area

Textbook section	IXL skills
Lesson 1: Area of Parallelograms	
Lesson 2: Area of Triangles	1. Area of triangles C8S
Lesson 3: Area of Trapezoids	1. Area of trapezoids PKW 2. Area of quadrilaterals 27F
Lesson 4: Changes in Dimension	
Lesson 5: Polygons on the Coordinate Plane	1. Graph triangles and quadrilaterals E55
Lesson 6: Area of Composite Figures	1. Area of compound figures 76U

Chapter 10

Volume and Surface Area

Textbook section	IXL skills
Lesson 1: Volume of Rectangular Prisms	1. Volume of cubes and rectangular prisms XHF
Lesson 2: Volume of Triangular Prisms	
Lesson 3: Surface Area of Rectangular Prisms	1. Surface area of cubes and rectangular prisms RMG
Lesson 4: Surface Area of Triangular Prisms	1. Volume of triangular prisms 6ZL
Lesson 5: Surface Area of Pyramids	

Chapter 11

Statistical Measures

Textbook section	IXL skills
Lesson 1: Mean	
Lesson 2: Median and Mode	
Lesson 3: Measures of Variation	<ol style="list-style-type: none">1. Calculate mean, median, mode, and range ZZK2. Mean, median, mode, and range: find the missing number 77K
Lesson 4: Mean Absolute Deviation	<ol style="list-style-type: none">1. Calculate mean absolute deviation JUV
Lesson 5: Appropriate Measures	<ol style="list-style-type: none">1. Interpret charts and graphs to find mean, median, mode, and range 2WK

Chapter 12

Statistical Displays

Textbook section	IXL skills
Lesson 1: Line Plots	<ol style="list-style-type: none">1. Interpret line plots M5Y2. Create line plots 5HD
Lesson 2: Histograms	<ol style="list-style-type: none">1. Interpret histograms CBF2. Create histograms 7NG
Lesson 3: Box Plots	<ol style="list-style-type: none">1. Box plots E9F
Lesson 4: Shape of Data Distributions	
Lesson 5: Interpret Line Graphs	<ol style="list-style-type: none">1. Interpret line graphs X5J2. Create line graphs VCP
Lesson 6: Select an Appropriate Display	<ol style="list-style-type: none">1. Choose the best type of graph RWF