



IXL Skill Alignment

6th 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	E.7 Greatest common factor >> E.8 Least common multiple >> E.9 GCF and LCM: word problems >>
Lesson 2: Ratios	R.1 Write a ratio >> R.2 Write a ratio: word problems >>
Lesson 3: Rates	R.7 Unit rates and equivalent rates >> V.2 Unit prices >> V.3 Unit prices with fractions and decimals >>
Lesson 4: Ratio Tables	R.5 Ratio tables >>
Lesson 5: Graph Ratio Tables	
Lesson 6: Equivalent Ratios	R.3 Identify equivalent ratios >> R.4 Write an equivalent ratio >> R.6 Equivalent ratios: word problems >> R.7 Unit rates and equivalent rates >>
Lesson 7: Ratio and Rate Problems	R.9 Unit rates: word problems >>

Chapter 2

Fractions, Decimals, and Percents

Textbook section	IXL skills
Lesson 1: Decimals and Fractions	I.10 Convert between decimals and fractions >> I.11 Convert between decimals and mixed numbers >>
Lesson 2: Percents and Fractions	
Lesson 3: Percents and Decimals	
Lesson 4: Percents Greater than 100% and Percents Less than 1%	S.2 Convert between percents, fractions, and decimals >>
Lesson 5: Compare and Order Fractions, Decimals, and Percents	I.7 Compare fractions with like and unlike denominators >> I.8 Compare fractions: word problems >> I.12 Put a mix of decimals, fractions, and mixed numbers in order >> S.3 Compare percents to each other and to fractions >> S.4 Compare percents and fractions: word problems >>
Lesson 6: Estimate with Percents	
Lesson 7: Percent of a Number	S.5 Percents of numbers and money amounts >> S.6 Percents of numbers: word problems >> S.7 Percents of numbers - with fractional and decimal percents >>
Lesson 8: Solve Percent Problems	S.10 Find the total given a part and a percent >> V.6 Sale prices: find the original price >>

Chapter 3

Compute with Multi-Digit Numbers

Textbook section	IXL skills
Lesson 1: Add and Subtract Decimals	G.1 Add and subtract decimal numbers >> G.2 Add and subtract decimals: word problems >> G.4 Maps with decimal distances >>
Lesson 2: Estimate Products	H.1 Estimate products of decimal numbers >>
Lesson 3: Multiply Decimals by Whole Numbers	
Lesson 4: Multiply Decimals by Decimals	H.2 Multiply decimals >>
Lesson 5: Divide Multi-Digit Numbers	C.3 Divide numbers ending in zeroes: word problems >> C.5 Divide whole numbers - 2-digit divisors >> C.6 Divide whole numbers - 3-digit divisors >>
Lesson 6: Estimate Quotients	
Lesson 7: Divide Decimals by Whole Numbers	H.4 Divide decimals by whole numbers >> H.5 Divide decimals by whole numbers: word problems >>
Lesson 8: Divide Decimals by Decimals	H.7 Division with decimal quotients >>

Chapter 4

Multiply and Divide Fractions

Textbook section	IXL skills
Lesson 1: Estimate Products of Fractions	K.4 Estimate products of fractions and whole numbers >> K.9 Estimate products of fractions, whole numbers, and mixed numbers >>
Lesson 2: Multiply Fractions and Whole Numbers	K.1 Fractions of whole numbers I >> K.2 Fractions of whole numbers II >> K.3 Fractions of a number: word problems >>
Lesson 3: Multiply Fractions	K.5 Multiply two fractions using models >> K.6 Multiply two fractions >> K.7 Multiply fractions: word problems >>
Lesson 4: Multiply Mixed Numbers	K.10 Multiply mixed numbers and whole numbers >> K.11 Multiply mixed numbers >> K.12 Multiply mixed numbers: word problems >> K.13 Multiply three or more mixed numbers, fractions, and/or whole numbers >>
Lesson 5: Convert Measurement Units	T.3 Convert and compare customary units >> T.6 Customary unit conversions involving fractions and mixed numbers >>
Lesson 6: Divide Whole Numbers by Fractions	L.1 Divide whole numbers by unit fractions using models >> L.2 Reciprocals >>
Lesson 7: Divide Fractions	L.3 Divide whole numbers and unit fractions >> L.5 Divide fractions >>
Lesson 8: Divide Mixed Numbers	L.4 Divide fractions by whole numbers in recipes >> L.7 Divide fractions and mixed numbers >> L.8 Divide fractions and mixed numbers: word problems >>

Chapter 5

Integers and the Coordinate Plane

Textbook section	IXL skills	
Lesson 1: Integers and Graphing	M.1	Understanding integers >>
	M.2	Integers on number lines >>
	M.4	Graph integers on horizontal and vertical number lines >>
Lesson 2: Absolute Value	M.3	Absolute value and opposite integers >>
	P.3	Absolute value of rational numbers >>
Lesson 3: Compare and Order Integers	M.5	Compare integers >>
	M.6	Put integers in order >>
	T.9	Compare temperatures above and below zero >>
Lesson 4: Terminating and Repeating Decimals		
Lesson 5: Compare and Order Rational Numbers	P.1	Compare rational numbers >>
	P.2	Put rational numbers in order >>
Lesson 6: The Coordinate Plane	X.1	Objects on a coordinate plane >>
	X.3	Quadrants >>
	X.4	Coordinate planes as maps >>
Lesson 7: Graph on the Coordinate Plane	X.2	Graph points on a coordinate plane >>
	X.5	Distance between two points >>
	X.6	Follow directions on a coordinate plane >>

Chapter 6

Expressions

Textbook section	IXL skills
Lesson 1: Powers and Exponents	D.1 Write multiplication expressions using exponents >> D.2 Evaluate exponents >> D.4 Exponents with decimal bases >> D.5 Exponents with fractional bases >>
Lesson 2: Numerical Expressions	O.3 Evaluate numerical expressions involving whole numbers >> O.6 Evaluate numerical expressions involving decimals >> O.9 Evaluate numerical expressions involving fractions >> O.11 Evaluate numerical expressions involving integers >>
Lesson 3: Algebra: Variables and Expressions	Y.3 Evaluate variable expressions with whole numbers >> Y.4 Evaluate multi-variable expressions >> Y.5 Evaluate variable expressions with decimals, fractions, and mixed numbers >>
Lesson 4: Algebra: Write Expressions	Y.1 Write variable expressions >> Y.2 Write variable expressions: word problems >>
Lesson 5: Algebra: Properties	Y.8 Properties of addition >> Y.9 Properties of multiplication >>
Lesson 6: The Distributive Property	Y.10 Multiply using the distributive property >> Y.11 Factor using the distributive property >>
Lesson 7: Equivalent Expressions	Y.6 Identify terms and coefficients >> Y.13 Write equivalent expressions using properties >> Y.15 Identify equivalent expressions >>

Chapter 7

Equations

Textbook section	IXL skills	
Lesson 1: Equations	Z.1	Does x satisfy an equation? >>
	Z.2	Which x satisfies an equation? >>
Lesson 2: Solve and Write Addition Equations		
Lesson 3: Solve and Write Subtraction Equations		
Lesson 4: Solve and Write Multiplication Equations	Z.4	Model and solve equations using algebra tiles >>
	Z.5	Write and solve equations that represent diagrams >>
Lesson 5: Solve and Write Division Equations	Z.6	Solve one-step equations with whole numbers >>
	Z.7	Solve one-step equations with decimals, fractions, and mixed numbers >>
	Z.8	Solve one-step equations: word problems >>

Chapter 8

Functions and Inequalities

Textbook section	IXL skills
Lesson 1: Function Tables	BB.2 Identify independent and dependent variables >> BB.5 Complete a table for a two-variable relationship >>
Lesson 2: Function Rules	
Lesson 3: Function and Equations	BB.7 Identify the graph of an equation >> BB.10 Write an equation from a graph using a table >>
Lesson 4: Multiple Representations of Functions	BB.4 Solve word problems involving two-variable equations >> BB.6 Write a two-variable equation >> BB.9 Interpret a graph: word problems >>
Lesson 5: Inequalities	AA.1 Solutions to inequalities >>
Lesson 6: Write and Graph Inequalities	AA.2 Graph inequalities on number lines >> AA.3 Write inequalities from number lines >>
Lesson 7: Solve One-Step Inequalities	AA.4 Solve one-step inequalities >> AA.5 Graph solutions to one-step inequalities >>

Chapter 9

Area

Textbook section	IXL skills	
Lesson 1: Area of Parallelograms		
Lesson 2: Area of Triangles	FF.3	Area of triangles >>
Lesson 3: Area of Trapezoids	FF.4	Area of parallelograms and trapezoids >>
	FF.5	Area of quadrilaterals >>
Lesson 4: Changes in Dimension		
Lesson 5: Polygons on the Coordinate Plane	CC.7	Graph triangles and quadrilaterals >>
Lesson 6: Area of Composite Figures	FF.6	Area of compound figures >>

Chapter 10

Volume and Surface Area

Textbook section	IXL skills
Lesson 1: Volume of Rectangular Prisms	FF.14 Volume of cubes and rectangular prisms >>
Lesson 2: Volume of Triangular Prisms	
Lesson 3: Surface Area of Rectangular Prisms	FF.15 Surface area of cubes and rectangular prisms >>
Lesson 4: Surface Area of Triangular Prisms	FF.16 Volume and surface area of triangular prisms >>
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	HH.1 Calculate mean, median, mode, and range >> HH.3 Mean, median, mode, and range: find the missing number >>
Lesson 4: Mean Absolute Deviation	HH.4 Calculate mean absolute deviation >>
Lesson 5: Appropriate Measures	HH.2 Interpret charts and graphs to find mean, median, mode, and range >>

Chapter 12

Statistical Displays

Textbook section	IXL skills
Lesson 1: Line Plots	GG.3 Interpret line plots >> GG.4 Create line plots >>
Lesson 2: Histograms	GG.11 Interpret histograms >> GG.12 Create histograms >>
Lesson 3: Box Plots	GG.19 Interpret box-and-whisker plots >>
Lesson 4: Shape of Data Distributions	
Lesson 5: Interpret Line Graphs	GG.14 Interpret line graphs >> GG.15 Create line graphs >>
Lesson 6: Select and Appropriate Display	GG.20 Choose the best type of graph >>