



IXL Skill Alignment

6th alignment for Eureka Math Common Core Curriculum

This document includes the IXL skill alignments to Great Minds's [Eureka Math Common Core Curriculum](#). IXL provides skill alignments as a service to teachers, students, and parents. The following skill alignments are not affiliated with, sponsored by, or endorsed by the publisher of the referenced textbook. IXL and IXL Learning are registered trademarks of IXL Learning, Inc. All other trademarks and registered trademarks are the property of their respective owners.

Module 1

Ratios and Unit Rates

Textbook section	IXL skills
Topic A: Representing and Reasoning About Ratios	R.1 Write a ratio >> R.2 Write a ratio: word problems >> R.3 Identify equivalent ratios >> R.5 Ratio tables >> R.6 Equivalent ratios: word problems >> R.12 Scale drawings: word problems >>
Topic B: Collections of Equivalent Ratios	R.5 Ratio tables >> R.8 Compare ratios: word problems >> <i>See also:</i> R.12 Scale drawings: word problems >>
Topic C: Unit Rates	R.7 Unit rates and equivalent rates >> R.9 Unit rates: word problems >> T.3 Convert and compare customary units >> T.7 Convert and compare metric units >> V.2 Unit prices >> V.3 Unit prices with fractions and decimals >>
Topic D: Percent	S.2 Convert between percents, fractions, and decimals >> S.3 Compare percents to each other and to fractions >> S.4 Compare percents and fractions: word problems >> S.5 Percents of numbers and money amounts >> S.8 Find what percent one number is of another >> S.9 Find what percent one number is of another: word problems >> V.5 Sale prices >> V.6 Sale prices: find the original price >>

See also:

- S.6** Percents of numbers: word problems >>
 - V.1** Which is the better coupon? >>
 - V.7** Percents - calculate tax, tip, mark-up, and more >>
-

Module 2

Arithmetic Operations Including Dividing by a Fraction

Textbook section	IXL skills
Topic A: Dividing Fractions by Fractions	L.2 Reciprocals >>
	L.3 Divide whole numbers and unit fractions >>
	L.4 Divide fractions by whole numbers in recipes >>
	L.5 Divide fractions >>
	L.7 Divide fractions and mixed numbers >>
	L.8 Divide fractions and mixed numbers: word problems >>
	<i>See also:</i>
	L.1 Divide whole numbers by unit fractions using models >>
Topic B: Multi-Digit Decimal Operations - Adding, Subtracting, and Multiplying	G.1 Add and subtract decimal numbers >>
	G.2 Add and subtract decimals: word problems >>
	G.3 Estimate sums and differences of decimals >>
	H.1 Estimate products of decimal numbers >>
	H.2 Multiply decimals >>
	U.4 Multiply money by whole numbers and decimals >>
	U.5 Multiply money: word problems >>
Topic C: Dividing Whole Numbers and Decimals	C.4 Estimate quotients >>
	H.4 Divide decimals by whole numbers >>
	H.5 Divide decimals by whole numbers: word problems >>
	H.7 Division with decimal quotients >>
	U.6 Divide money amounts >>
	U.7 Divide money amounts: word problems >>
	<i>See also:</i>
	H.6 Multiply and divide decimals by powers of ten >>

Topic D: Number Theory - Thinking Logically About
Multiplicative Arithmetic

- C.1** Divisibility rules >>
 - E.4** Identify factors >>
 - E.5** Prime factorization >>
 - E.7** Greatest common factor >>
 - E.8** Least common multiple >>
 - E.9** GCF and LCM: word problems >>
-

Module 3

Rational Numbers

Textbook section	IXL skills
Topic A: Understanding Positive and Negative Numbers on the Number Line	M.1 Understanding integers >>
	M.2 Integers on number lines >>
	M.4 Graph integers on horizontal and vertical number lines >>
	P.6 Rational numbers: find the sign >>
Topic B: Order and Absolute Value	F.4 Put decimal numbers in order >>
	F.5 Inequalities with decimals >>
	I.7 Compare fractions with like and unlike denominators >>
	I.12 Put a mix of decimals, fractions, and mixed numbers in order >>
	M.3 Absolute value and opposite integers >>
	M.5 Compare integers >>
	P.1 Compare rational numbers >>
	P.2 Put rational numbers in order >>
	P.3 Absolute value of rational numbers >>
	T.9 Compare temperatures above and below zero >>
Topic C: Rational Numbers and the Coordinate Plane	X.1 Objects on a coordinate plane >>
	X.2 Graph points on a coordinate plane >>
	X.5 Distance between two points >>

Module 4

Expressions and Equations

Textbook section	IXL skills
Topic A: Relationships of the Operations	
Topic B: Special Notations of Operations	D.1 Write multiplication expressions using exponents >> D.2 Evaluate exponents >> D.4 Exponents with decimal bases >> D.5 Exponents with fractional bases >> O.3 Evaluate numerical expressions involving whole numbers >>
Topic C: Replacing Letters and Numbers	Y.3 Evaluate variable expressions with whole numbers >> Y.8 Properties of addition >> Y.9 Properties of multiplication >> FF.14 Volume of cubes and rectangular prisms >>
Topic D: Expanding, Factoring, and Distributing Expressions	Y.6 Identify terms and coefficients >>
Topic E: Expressing Operations in Algebraic Form	Y.1 Write variable expressions >> Y.2 Write variable expressions: word problems >>
Topic F: Writing and Evaluating Expressions and Formulas	Y.2 Write variable expressions: word problems >>
Topic G: Solving Equations	Z.6 Solve one-step equations with whole numbers >>
Topic H: Applications of Equations	AA.2 Graph inequalities on number lines >> AA.3 Write inequalities from number lines >> AA.4 Solve one-step inequalities >> AA.5 Graph solutions to one-step inequalities >> BB.2 Identify independent and dependent variables >>

BB.5 Complete a table for a two-variable relationship >>

BB.6 Write a two-variable equation >>

Module 5

Area, Surface Area, and Volume Problems

Textbook section	IXL skills
Topic A: Area of Triangles, Quadrilaterals, and Polygons	FF.5 Area of quadrilaterals >>
	FF.6 Area of compound figures >>
	FF.7 Area between two rectangles >>
	<i>See also:</i> FF.8 Area between two triangles >>
Topic B: Polygons on the Coordinate Plane	X.5 Distance between two points >>
	FF.1 Perimeter >>
	FF.6 Area of compound figures >>
	FF.7 Area between two rectangles >>
	FF.8 Area between two triangles >>
	FF.10 Compare area and perimeter of two figures >>
	<i>See also:</i> FF.9 Rectangles: relationship between perimeter and area >>
Topic C: Volume of Right Rectangular Prisms	FF.14 Volume of cubes and rectangular prisms >>
Topic D: Nets and Surface Area	EE.3 Nets of three-dimensional figures >>
	FF.15 Surface area of cubes and rectangular prisms >>

Module 6

Statistics

Textbook section	IXL skills
Topic A: Understanding Distributions	GG.3 Interpret line plots >> GG.4 Create line plots >> GG.5 Create and interpret line plots with fractions >>
Topic B: Summarizing a Distribution that is Approximately Symmetric Using the Mean and Mean Absolute Deviation	
Topic C: Summarizing a Distribution that is Skewed Using the Median and the Interquartile Range	GG.19 Interpret box-and-whisker plots >>
Topic D: Summarizing and Describing Distributions	GG.19 Interpret box-and-whisker plots >>