



IXL Skill Alignment

6th alignment for GO Math! 2014 Common Core Edition

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Module 1

Integers

Textbook section	IXL skills	
1.1: Identifying Integers and Their Opposites	M.4	Graph integers on horizontal and vertical number lines >>
1.2: Comparing and Ordering Integers	M.5	Compare integers >>
1.3: Absolute Value	M.3	Absolute value and opposite integers >>

Module 2

Greatest Common Factor

Textbook section	IXL skills	
2.1: Greatest Common Factor	E.4	Identify factors >>
	E.7	Greatest common factor >>
2.2: Least Common Multiple	E.8	Least common multiple >>
	E.9	GCF and LCM: word problems >>

Module 3

Rational Numbers

Textbook section	IXL skills	
3.1: Classifying Rational Numbers		
3.2: Identifying Opposites and Absolute Value of Rational Numbers	P.3	Absolute value of rational numbers >>
3.3: Comparing and Ordering Rational Numbers	I.9	Convert between improper fractions and mixed numbers >>
	I.10	Convert between decimals and fractions >>
	P.1	Compare rational numbers >>
	P.2	Put rational numbers in order >>
	<i>See also:</i>	
	I.12	Put a mix of decimals, fractions, and mixed numbers in order >>

Module 4

Operations with Fractions

Textbook section	IXL skills
4.1: Applying GCF and LCM to Fraction Operations	J.3 Add and subtract fractions with unlike denominators >>
	J.4 Add and subtract fractions with unlike denominators: word problems >>
	J.6 Add and subtract mixed numbers >>
	J.7 Add and subtract mixed numbers: word problems >>
	K.1 Fractions of whole numbers I >>
	K.2 Fractions of whole numbers II >>
	K.6 Multiply two fractions >>
	K.7 Multiply fractions: word problems >>
	K.10 Multiply mixed numbers and whole numbers >>
	<i>See also:</i>
	E.7 Greatest common factor >>
	E.8 Least common multiple >>
	I.4 Write fractions in lowest terms >>
4.2: Dividing Fractions	L.1 Divide whole numbers by unit fractions using models >>
	L.2 Reciprocals >>
	L.5 Divide fractions >>
4.3: Dividing Mixed Numbers	L.7 Divide fractions and mixed numbers >>
	L.8 Divide fractions and mixed numbers: word problems >>
4.4: Solving Multistep Problems with Fractions and Mixed Numbers	O.7 Add, subtract, multiply, or divide two fractions >>
	O.8 Add, subtract, multiply, or divide two fractions: word problems >>
	O.9 Evaluate numerical expressions involving fractions >>

Module 5

Operations with Decimals

Textbook section	IXL skills
5.1: Dividing Whole Numbers	C.5 Divide whole numbers - 2-digit divisors >> C.6 Divide whole numbers - 3-digit divisors >> <i>See also:</i> C.3 Divide numbers ending in zeroes: word problems >> C.4 Estimate quotients >>
5.2: Adding and Subtracting Decimals	G.1 Add and subtract decimal numbers >> G.2 Add and subtract decimals: word problems >> U.2 Add and subtract money amounts >> U.3 Add and subtract money amounts: word problems >> <i>See also:</i> G.3 Estimate sums and differences of decimals >>
5.3: Multiplying Decimals	H.2 Multiply decimals >> <i>See also:</i> H.1 Estimate products of decimal numbers >> U.4 Multiply money by whole numbers and decimals >> U.5 Multiply money: word problems >>
5.4: Dividing Decimals	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 >>
5.5: Applying Operations with Rational Numbers	I.10 Convert between decimals and fractions >>

- 0.6** Evaluate numerical expressions involving decimals >>
 - 0.9** Evaluate numerical expressions involving fractions >>
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Module 6

Representing Ratios and Rates

Textbook section	IXL skills
6.1: Ratios	R.1 Write a ratio >>
	R.2 Write a ratio: word problems >>
	R.3 Identify equivalent ratios >>
	R.6 Equivalent ratios: word problems >>
6.2: Rates	R.5 Ratio tables >>
	R.7 Unit rates and equivalent rates >>
	R.9 Unit rates: word problems >>
	V.2 Unit prices >>
6.3: Using Ratios and Rates to Solve Problems	R.2 Write a ratio: word problems >>
	R.5 Ratio tables >>
	R.6 Equivalent ratios: word problems >>
	R.8 Compare ratios: word problems >>
	R.9 Unit rates: word problems >>

Module 7

Applying Ratios and Rates

Textbook section	IXL skills
7.1: Ratios, Rates, Tables, and Graphs	R.3 Identify equivalent ratios >>
	R.5 Ratio tables >>
	R.6 Equivalent ratios: word problems >>
	R.7 Unit rates and equivalent rates >>
	R.9 Unit rates: word problems >>
7.2: Solving Problems with Proportions	R.10 Do the ratios form a proportion? >>
	R.12 Scale drawings: word problems >>
7.3: Converting Within Measurement Systems	T.3 Convert and compare customary units >>
	T.6 Customary unit conversions involving fractions and mixed numbers >>
	T.7 Convert and compare metric units >>
7.4: Converting Between Measurement Systems	T.8 Convert between customary and metric systems >>

Module 8

Percents

Textbook section	IXL skills
8.1: Understanding Percent	S.3 Compare percents to each other and to fractions >>
	S.4 Compare percents and fractions: word problems >>
8.2: Percents, Fractions, and Decimals	S.2 Convert between percents, fractions, and decimals >>
8.3: Solving Percent Problems	S.5 Percents of numbers and money amounts >>
	S.6 Percents of numbers: word problems >>
	S.8 Find what percent one number is of another >>
	S.9 Find what percent one number is of another: word problems >>

Module 9

Generating Equivalent Numerical Expressions

Textbook section	IXL skills
9.1: Exponents	D.1 Write multiplication expressions using exponents >>
	D.2 Evaluate exponents >>
	D.3 Find the missing exponent or base >>
	D.4 Exponents with decimal bases >>
	D.5 Exponents with fractional bases >>
9.2: Prime Factorization	E.4 Identify factors >>
	E.5 Prime factorization >>
	E.6 Prime factorization with exponents >>
	<i>See also:</i> E.3 Prime or composite >>
9.3: Order of Operations	O.3 Evaluate numerical expressions involving whole numbers >>
	<i>See also:</i> O.9 Evaluate numerical expressions involving fractions >>
	O.11 Evaluate numerical expressions involving integers >>

Module 10

Generating Equivalent Algebraic Expressions

Textbook section	IXL skills	
10.1: Modeling and Writing Expressions	Y.1	Write variable expressions >>
	Y.2	Write variable expressions: word problems >>
10.2: Evaluating 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 >>
10.3: Generating Equivalent Expressions	Y.6	Identify terms and coefficients >>
	Y.8	Properties of addition >>
	Y.9	Properties of multiplication >>
	Y.10	Multiply using the distributive property >>
	Y.13	Write equivalent expressions using properties >>
	Y.14	Add and subtract like terms >>
	Y.15	Identify equivalent expressions >>

Module 11

Equations and Relationships

Textbook section

IXL skills

11.1: Writing Equations to Represent Situations

11.2: Addition and Subtraction Equations

11.3: Multiplication and Division Equations

- Z.4** Model and solve equations using algebra tiles >>
- 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 >>

11.4: Writing Inequalities

- AA.1** Solutions to inequalities >>
- AA.3** Write inequalities from number lines >>
- See also:*
- AA.2** Graph inequalities on number lines >>

Module 12

Graphing on the Coordinate Plane

Textbook section	IXL skills
12.1: Graphing on the Coordinate Plane	X.1 Objects on a coordinate plane >>
	X.2 Graph points on a coordinate plane >>
12.2: Independent and Dependent Variables in Tables and Graphs	BB.2 Identify independent and dependent variables >>
12.3: Writing Equations from Tables	BB.5 Complete a table for a two-variable relationship >>
	BB.6 Write a two-variable equation >>
12.4: Representing Algebraic Relationships in Tables and Graphs	BB.5 Complete a table for a two-variable relationship >>
	BB.8 Graph a two-variable equation >>
	<i>See also:</i> BB.7 Identify the graph of an equation >>

Module 13

Area and Polygons

Textbook section	IXL skills
13.1: Area of Quadrilaterals	
13.2: Area of Triangles	FF.5 Area of quadrilaterals >>
13.3: Solving Area Equations	
13.4: Area of Polygons	FF.6 Area of compound figures >> <i>See also:</i> FF.7 Area between two rectangles >> FF.8 Area between two triangles >>

Module 14

Distance and Area in the Coordinate Plane

Textbook section	IXL skills
14.1: Distance in the Coordinate Plane	X.5 Distance between two points >>
14.2: Polygons in the Coordinate Plane	

Module 15

Surface Area and Volume of Solids

Textbook section	IXL skills
15.1: Nets and Surface Area	FF.15 Surface area of cubes and rectangular prisms >> <i>See also:</i> EE.3 Nets of three-dimensional figures >>
15.2: Volume of Rectangular Prisms	
15.3: Solving Volume Equations	FF.14 Volume of cubes and rectangular prisms >>

Module 16

Displaying, Analyzing, and Summarizing Data

Textbook section	IXL skills
16.1: Measures of Center	
16.2: Mean Absolute Deviation	
16.3: Box Plots	GG.19 Interpret box-and-whisker plots >>
16.4: Dot Plots and Data Distribution	GG.3 Interpret line plots >> GG.4 Create line plots >>
16.5: Histograms	GG.12 Create histograms >>