



IXL Skill Alignment

8th alignment for GO Math! 2014 Common Core Edition

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Module 1

Real Numbers

Textbook section	IXL skills
1.1: Rational and Irrational Numbers	D.4 Convert between decimals and fractions or mixed numbers >> F.18 Solve equations involving squares and square roots >>
1.2: Sets of Real Numbers	A.8 Classify numbers >>
1.3: Ordering Real Numbers	

Module 2

Exponents and Scientific Notation

Textbook section	IXL skills
2.1: Integer Exponents	F.1 Understanding exponents >>
	F.2 Evaluate exponents >>
	F.6 Understanding negative exponents >>
	F.7 Evaluate negative exponents >>
	F.12 Evaluate expressions using properties of exponents >>
	<i>See also:</i>
2.2: Scientific Notation with Positive Powers of 10	F.8 Multiplication with exponents >>
	F.9 Division with exponents >>
	F.10 Multiplication and division with exponents >>
	F.11 Power rule >>
	G.1 Convert between standard and scientific notation >>
2.3: Scientific Notation with Negative Powers of 10	G.1 Convert between standard and scientific notation >>
2.4: Operations with Scientific Notation	G.3 Multiply numbers written in scientific notation >>
	G.4 Divide numbers written in scientific notation >>

Module 3

Proportional Relationships

Textbook section	IXL skills
3.1: Representing Proportional Relationships	I.1 Find the constant of proportionality from a table >> I.2 Write equations for proportional relationships from tables >> I.6 Identify proportional relationships >> I.9 Write and solve equations for proportional relationships >> <i>See also:</i> I.3 Identify proportional relationships by graphing >>
3.2: Rate of Change and Slope	I.4 Find the constant of proportionality from a graph >> Y.1 Find the slope of a graph >> Y.2 Find the slope from two points >> <i>See also:</i> I.9 Write and solve equations for proportional relationships >>
3.3: Interpreting the Unit Rate as Slope	

Module 4

Nonproportional Relationships

Textbook section	IXL skills
4.1: Representing Linear Nonproportional Relationships	Z.7 Complete a table for a linear function >> Z.8 Complete a table and graph a linear function >>
4.2: Determining Slope and y-Intercept	
4.3: Graphing Linear Nonproportional Relationships Using Slope and y-Intercept	
4.4: Proportional and Nonproportional Situations	I.3 Identify proportional relationships by graphing >> I.6 Identify proportional relationships >>

Module 5

Writing Linear Equations

Textbook section	IXL skills
5.1: Writing Linear Equations from Situations and Graphs	Y.1 Find the slope of a graph >> Z.12 Write linear functions: word problems >>
5.2: Writing Linear Equations from a Table	Z.10 Write a linear function from a table >> <i>See also:</i> I.2 Write equations for proportional relationships from tables >>
5.3: Linear Relationships and Bivariate Data	

Module 6

Functions

Textbook section	IXL skills
6.1: Identifying and Representing Functions	Z.1 Identify functions >>
6.2: Describing Functions	Y.6 Graph a line from an equation in slope-intercept form >>
	Z.7 Complete a table for a linear function >>
6.3: Comparing Functions	Z.9 Interpret the graph of a linear function: word problems >>
6.4: Analyzing Graphs	

Module 7

Solving Linear Equations

Textbook section	IXL skills
7.1: Equations with the Variables on Both Sides	W.3 Model and solve equations using algebra tiles >> W.10 Solve equations with variables on both sides >> W.13 Solve equations: word problems >> <i>See also:</i> W.9 Solve equations involving like terms >> W.11 Solve equations: mixed review >>
7.2: Equations with Rational Numbers	
7.3: Equations with Distributive Property	
7.4: Equations with Many Solutions or No Solution	W.14 Find the number of solutions >>

Module 8

Solving Systems of Linear Equations

Textbook section	IXL skills
8.1: Solving Systems of Linear Equations by Graphing	AA.2 Solve a system of equations by graphing >>
	AA.3 Solve a system of equations by graphing: word problems >>
	<i>See also:</i> AA.1 Is (x, y) a solution to the system of equations? >>
8.2: Solving Systems by Substitution	AA.8 Solve a system of equations using substitution >>
	AA.9 Solve a system of equations using substitution: word problems >>
8.3: Solving Systems by Elimination	AA.10 Solve a system of equations using elimination >>
	AA.11 Solve a system of equations using elimination: word problems >>
8.4: Solving Systems by Elimination with Multiplication	
8.5: Solving Special Systems	AA.5 Find the number of solutions to a system of equations >>
	<i>See also:</i> AA.6 Classify a system of equations by graphing >>
	AA.7 Classify a system of equations >>

Module 9

Transformation and Congruence

Textbook section	IXL skills
9.1: Properties of Translations	P.3 Translations: graph the image >> P.4 Translations: find the coordinates >>
9.2: Properties of Reflection	P.5 Reflections: graph the image >> P.6 Reflections: find the coordinates >>
9.3: Properties of Rotation	P.7 Rotations: graph the image >> P.8 Rotations: find the coordinates >>
9.4: Algebraic Representations of Transformations	
9.5: Congruent Figures	

Module 10

Transformation and Similarity

Textbook section	IXL skills
10.1: Properties of Dilations	Q.4 Dilations: scale factor and classification >>
10.2: Algebraic Representations of Dilations	Q.2 Dilations: graph the image >>
	Q.3 Dilations: find the coordinates >>
10.3: Similar Figures	

Module 11

Angle Relationships in Parallel Lines and Triangles

Textbook section	IXL skills
11.1: Parallel Lines Cut by a Transversal	0.12 Transversal of parallel lines >>
11.2: Angle Theorems for Triangles	0.8 Exterior Angle Theorem >> <i>See also:</i> 0.6 Find missing angles in triangles >>
11.3: Angle-Angle Similarity	

Module 12

The Pythagorean Theorem

Textbook section	IXL skills
12.1: The Pythagorean Theorem	R.1 Pythagorean theorem: find the length of the hypotenuse >> R.2 Pythagorean theorem: find the missing leg length >> R.4 Pythagorean theorem: word problems >> <i>See also:</i> R.3 Pythagorean theorem: find the perimeter >>
12.2: Converse of the Pythagorean Theorem	R.5 Converse of the Pythagorean theorem: is it a right triangle? >>
12.3: Distance Between Two Points	N.4 Find the distance between two points >>

Module 13

Volume

Textbook section	IXL skills
13.1: Volume of Cylinders	
13.2: Volume of Cones	T.9 Volume of cylinders >>
13.3: Volume of Spheres	T.13 Volume of spheres >>

Module 14

Scatter Plots

Textbook section	IXL skills
14.1: Scatter Plots and Association	CC.14 Scatter plots >>
14.2: Trend Lines and Predictions	

Module 15

Two-Way Table

Textbook section	IXL skills
15.1: Two-Way Frequency Tables	
15.2: Two-Way Relative Frequency Tables	