



IXL Skill Alignment

6th alignment for Texas GO Math!

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Module 1

Integers

Textbook section	IXL skills
1.1: Identifying Integers and Their Opposites	M.1 Understanding integers >> M.2 Integers on number lines >> 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

Rational Numbers

Textbook section	IXL skills
2.1: Classifying Rational Numbers	
2.2: Identifying Opposites and Absolute Value of Rational Numbers	P.3 Absolute value of rational numbers >> <i>See also:</i> P.6 Rational numbers: find the sign >>
2.3: Comparing and Ordering Rational Numbers	I.11 Convert between decimals and mixed numbers >> I.12 Put a mix of decimals, fractions, and mixed numbers in order >> P.2 Put rational numbers in order >> <i>See also:</i> F.4 Put decimal numbers in order >>

Module 3

Multiplying and Dividing Fractions

Textbook section	IXL skills
3.1: Multiplying Fractions	K.1 Fractions of whole numbers I >>
	K.2 Fractions of whole numbers II >>
	K.3 Fractions of a number: word problems >>
	K.6 Multiply two fractions >>
	K.7 Multiply fractions: word problems >>
	<i>See also:</i>
	K.8 Multiply three or more fractions and whole numbers >>
3.2: Multiplying Mixed Numbers	K.10 Multiply mixed numbers and whole numbers >>
	K.11 Multiply mixed numbers >>
	K.12 Multiply mixed numbers: word problems >>
	<i>See also:</i>
	K.9 Estimate products of fractions, whole numbers, and mixed numbers >>
3.3: Dividing Fractions	L.2 Reciprocals >>
	L.5 Divide fractions >>
	<i>See also:</i>
	L.1 Divide whole numbers by unit fractions using models >>
	L.3 Divide whole numbers and unit fractions >>
	L.4 Divide fractions by whole numbers in recipes >>
3.4: Dividing Mixed Numbers	L.7 Divide fractions and mixed numbers >>
	L.8 Divide fractions and mixed numbers: word problems >>

Module 4

Multiplying and Dividing Decimals

Textbook section	IXL skills
4.1: Multiplying Decimals	H.2 Multiply decimals >>
4.2: Dividing Decimals	H.4 Divide decimals by whole numbers >>
	H.5 Divide decimals by whole numbers: word problems >>
	H.7 Division with decimal quotients >>
4.3: Applying Multiplication and Division of Rational Numbers	K.7 Multiply fractions: word problems >>
	K.12 Multiply mixed numbers: word problems >>
	L.8 Divide fractions and mixed numbers: word problems >>
	O.5 Add, subtract, multiply, or divide two decimals: word problems >>
	O.8 Add, subtract, multiply, or divide two fractions: word problems >>
	P.5 Multiply and divide rational numbers >>
	<i>See also:</i>
O.6 Evaluate numerical expressions involving decimals >>	
O.9 Evaluate numerical expressions involving fractions >>	

Module 5

Adding and Subtracting Integers

Textbook section	IXL skills
5.1: Adding Integers with the Same Sign	
5.2: Adding Integers with Different Sign	N.1 Add integers using counters >> N.2 Add integers >> N.7 Add three or more integers >>
5.3: Subtracting Integers	N.3 Subtract integers using counters >> N.4 Subtract integers >>
5.4: Applying Addition and Subtraction of Integers	

Module 6

Multiplying and Dividing Integers

Textbook section	IXL skills
6.1: Multiplying Integers	N.8 Multiply integers: find the sign >> N.9 Multiply integers >>
6.2: Dividing integers	N.10 Divide integers: find the sign >> N.11 Divide integers >>
6.3: Applying Integer Operations	O.10 Add, subtract, multiply, or divide two integers >> O.11 Evaluate numerical expressions involving integers >>

Module 7

Represent Ratios and Rates

Textbook section	IXL skills
7.1: Ratios	R.1 Write a ratio >>
	R.2 Write a ratio: word problems >>
	R.3 Identify equivalent ratios >>
	<i>See also:</i> R.6 Equivalent ratios: word problems >>
7.2: Rates	R.7 Unit rates and equivalent rates >>
	R.9 Unit rates: word problems >>
7.3: Using Ratios and Rates to Solve Problems	R.5 Ratio tables >>
	R.8 Compare ratios: word problems >>

Module 8

Applying Ratios and Rates

Textbook section	IXL skills
8.1: Comparing Additive and Multiplicative Relationships	BB.5 Complete a table for a two-variable relationship >>
8.2: Ratios, Rates, Tables, and Graphs	
8.3: Solving Problems with Proportions	R.10 Do the ratios form a proportion? >>
8.4: Converting Measurements	T.3 Convert and compare customary units >> T.6 Customary unit conversions involving fractions and mixed numbers >> T.7 Convert and compare metric units >>

Module 9

Percents

Textbook section	IXL skills
9.1: Understanding Percent	
9.2: Percents, Fractions, and Decimals	S.2 Convert between percents, fractions, and decimals >>
9.3: 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 >>
	<i>See also:</i> S.7 Percents of numbers - with fractional and decimal percents >>

Module 10

Generating Equivalent Numerical Expressions

Textbook section	IXL skills
10.1: 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 >>
10.2: Prime Factorization	E.4 Identify factors >>
	E.5 Prime factorization >>
	E.6 Prime factorization with exponents >>
10.3: Order of Operations	O.3 Evaluate numerical expressions involving whole numbers >>
	O.11 Evaluate numerical expressions involving integers >>

Module 11

Generating Equivalent Algebraic Expressions

Textbook section	IXL skills
11.1: Modeling Equivalent Expressions	Y.1 Write variable expressions >>
	Y.2 Write variable expressions: word problems >>
11.2: 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 >>
11.3: 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 12

Equations and Relationships

Textbook section	IXL skills
12.1: Writing Equations to Represent Situations	Z.1 Does x satisfy an equation? >> <i>See also:</i> Z.2 Which x satisfies an equation? >> Z.3 Write an equation from words >>
12.2: Addition and Subtraction	
12.3: Multiplication and Division Equations	Z.4 Model and solve equations using algebra tiles >> Z.5 Write and solve equations that represent diagrams >> 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 >> <i>See also:</i> Z.11 Solve equations involving integers >>

Module 13

Inequalities and Relationships

Textbook section	IXL skills
13.1: Writing Inequalities	AA.1 Solutions to inequalities >> AA.2 Graph inequalities on number lines >> AA.3 Write inequalities from number lines >>
13.2: Addition and Subtraction Inequalities	
13.3: Multiplication and Division Inequalities with Positive Numbers	AA.4 Solve one-step inequalities >> AA.5 Graph solutions to one-step inequalities >>
13.4: Multiplication and Division Inequalities with Rational Numbers	

Module 14

Relationships in Two Variables

Textbook section	IXL skills
14.1: Graphing on the Coordinate Plane	X.1 Objects on a coordinate plane >> X.2 Graph points on a coordinate plane >> <i>See also:</i> X.4 Coordinate planes as maps >>
14.2: Independent and Dependent Variables in Tables and Graphs	BB.2 Identify independent and dependent variables >>
14.3: Writing Equations from Tables	BB.6 Write a two-variable equation >> BB.10 Write an equation from a graph using a table >> <i>See also:</i> BB.4 Solve word problems involving two-variable equations >>
14.4: Representing Algebraic Relationships in Tables and Graphs	BB.5 Complete a table for a two-variable relationship >> BB.8 Graph a two-variable equation >>

Module 15

Angles, Triangles, and Equations

Textbook section	IXL skills
15.1: Determining When Three Lengths Form a Triangle	
15.2: Sum of Angle Measures in a Triangle	
15.3: Relationship Between Sides and Angles in a Triangle	

Module 16

Area and Volume Equations

Textbook section	IXL skills
16.1: Area of Quadrilaterals	
16.2: Area of Triangles	FF.5 Area of quadrilaterals >>
16.3: Solving Area Equations	
16.4: Solving Volume Equations	FF.14 Volume of cubes and rectangular prisms >>

Module 17

Displaying, Analyzing, and Summarizing Data

Textbook section	IXL skills
17.1: Measures of Center	HH.1 Calculate mean, median, mode, and range >>
17.2: Box Plots	GG.19 Interpret box-and-whisker plots >>
17.3: Dot Plots and Data Distribution	GG.3 Interpret line plots >> GG.4 Create line plots >> <i>See also:</i> GG.5 Create and interpret line plots with fractions >>
17.4: Stem-and-Leaf Plots and Histograms	GG.11 Interpret histograms >> GG.12 Create histograms >> GG.18 Stem-and-leaf plots >> <i>See also:</i> GG.6 Create frequency tables >>
17.5: Categorical Data	

Module 18

Becoming a Knowledgeable Consumer and Investor

Textbook section	IXL skills
18.1: Choosing a Bank	
18.2: Protecting Your Credit	
18.3: Paying for College	
18.4: Wages, Salaries, and Careers	