



# IXL Skill Alignment

5th alignment for Texas GO Math!

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# Module 1

## Place Value and Decimals

Textbook section	IXL skills
<b>1.1:</b> Algebra: Properties	<b>B.6</b> Properties of addition >> <b>C.6</b> Properties of multiplication >>
<b>1.2:</b> Investigate: Thousandths	<b>G.1</b> What decimal number is illustrated? >>  <i>See also:</i> <b>G.2</b> Model decimals and fractions >>
<b>1.3:</b> Place Value of Decimals	<b>G.4</b> Place values in decimal numbers >> <b>G.5</b> Convert decimals between standard and expanded form >> <b>G.16</b> Convert decimals between standard and expanded form using fractions >>
<b>1.4:</b> Compare and Order Decimals	<b>G.10</b> Compare decimal numbers >> <b>G.11</b> Put decimal numbers in order >>
<b>1.5:</b> Round Decimals	<b>G.7</b> Round decimals >>
<b>1.6:</b> Estimate Decimal Sums and Differences	<b>H.8</b> Estimate sums and differences of decimals >>
<b>1.7:</b> Add and Subtract Decimals Through Thousandths	<b>H.1</b> Add decimal numbers >> <b>H.2</b> Subtract decimal numbers >> <b>H.3</b> Add and subtract decimal numbers >> <b>H.4</b> Add and subtract decimals: word problems >>  <i>See also:</i> <b>H.6</b> Complete the addition or subtraction sentence >>
<b>1.8:</b> Problem Solving: Add and Subtract Money	<b>S.1</b> Add and subtract money amounts >> <b>S.2</b> Add and subtract money: word problems >>

## Module 2

### Multiplying and Dividing Whole Numbers

Textbook section	IXL skills	
<b>2.1:</b> Multiply by 1-Digit Numbers	<b>C.1</b>	Multiply by 1-digit numbers >>
	<b>C.2</b>	Multiply by 1-digit numbers: word problems >>
<b>2.2:</b> Multiply by 2-Digit Numbers	<b>C.12</b>	Multiply by 2-digit numbers: complete the missing steps >>
	<b>C.13</b>	Multiply 2-digit numbers by 2-digit numbers >>
	<b>C.14</b>	Multiply 2-digit numbers by 3-digit numbers >>
<b>2.3:</b> Investigate: Division with 2-Digit Divisors	<b>D.11</b>	Divide 2-digit and 3-digit numbers by 2-digit numbers >>
	<b>D.12</b>	Divide 2-digit and 3-digit numbers by 2-digit numbers: word problems >>
<b>2.4:</b> Partial Quotients	<b>D.13</b>	Divide larger numbers by 2-digit numbers >>
	<b>D.14</b>	Divide larger numbers by 2-digit numbers: word problems >>
<b>2.5:</b> Estimate with 2-Digit Divisors	<b>D.10</b>	Estimate quotients: word problems >>
<b>2.6:</b> Divide by 2-Digit Divisors	<b>D.11</b>	Divide 2-digit and 3-digit numbers by 2-digit numbers >>
	<b>D.12</b>	Divide 2-digit and 3-digit numbers by 2-digit numbers: word problems >>
	<b>D.13</b>	Divide larger numbers by 2-digit numbers >>
	<b>D.14</b>	Divide larger numbers by 2-digit numbers: word problems >>
<b>2.7:</b> Adjust Quotients		
<b>2.8:</b> Problem Solving: Division	<b>D.2</b>	Division facts to 12: word problems >>
	<b>D.4</b>	Divide multi-digit numbers by 1-digit numbers: word problems >>
	<b>D.12</b>	Divide 2-digit and 3-digit numbers by 2-digit numbers: word problems >>

**D.14** Divide larger numbers by 2-digit numbers:  
word problems >>

*See also:*

**D.8** Divide numbers ending in zeroes: word  
problems >>

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# Module 3

## Multiply Decimals

Textbook section	IXL skills	
<b>3.1:</b> Algebra: Multiplication Patterns with Decimals	<b>I.2</b>	Multiply a decimal by a power of ten >>
<b>3.2:</b> Investigate: Multiply Decimals and Whole Numbers	<b>I.3</b>	Multiply a decimal by a one-digit whole number >>
<b>3.3:</b> Multiplication with Decimals and Whole Numbers	<b>I.3</b>	Multiply a decimal by a one-digit whole number >>
	<b>I.5</b>	Multiply decimals and whole numbers: word problems >>
<b>3.4:</b> Multiply Using Expanded Form	<b>I.4</b>	Multiply a decimal by a multi-digit whole number >>
	<b>I.5</b>	Multiply decimals and whole numbers: word problems >>
<b>3.5:</b> Problem Solving: Multiply Money	<b>S.3</b>	Multiply money amounts: word problems >>
<b>3.6:</b> Investigate: Decimal Multiplication	<b>I.7</b>	Multiply two decimals using grids >>
	<b>I.8</b>	Multiply two decimals >>
<b>3.7:</b> Multiply Decimals	<b>I.7</b>	Multiply two decimals using grids >>
	<b>I.8</b>	Multiply two decimals >>
<b>3.8:</b> Zeros in the Product		

# Module 4

## Divide Decimals

Textbook section	IXL skills
<b>4.1:</b> Algebra: Division Patterns with Decimals	<b>J.1</b> Divide by powers of ten >>  <i>See also:</i> <b>J.2</b> Decimal division patterns over increasing place values >>
<b>4.2:</b> Investigate: Divide Decimals by Whole Numbers	
<b>4.3:</b> Estimate Quotients	
<b>4.4:</b> Division of Decimals by Whole Numbers	
<b>4.5:</b> Problem Solving: 2-Digit Divisors	<b>S.4</b> Divide money amounts: word problems >>

# Module 5

## Add and Subtract Fractions

Textbook section	IXL skills
<b>5.1:</b> Investigate: Addition with Unequal Denominators	<b>L.6</b> Add fractions with unlike denominators using models >>
<b>5.2:</b> Investigate: Subtraction with Unequal Denominators	<b>L.9</b> Subtract fractions with unlike denominators using models >> <b>L.11</b> Add and subtract fractions with unlike denominators: word problems >>
<b>5.3:</b> Estimate Fraction Sums and Differences	
<b>5.4:</b> Common Denominators and Equivalent Fractions	<b>K.7</b> Least common denominator >> <i>See also:</i> <b>K.4</b> Equivalent fractions >>
<b>5.5:</b> Add and Subtract Fractions	<b>L.6</b> Add fractions with unlike denominators using models >> <b>L.8</b> Add fractions with unlike denominators >> <b>L.9</b> Subtract fractions with unlike denominators using models >> <b>L.10</b> Subtract fractions with unlike denominators >> <b>L.11</b> Add and subtract fractions with unlike denominators: word problems >>
<b>5.6:</b> Add and Subtract Mixed Numbers	<b>L.18</b> Add mixed numbers with unlike denominators >>
<b>5.7:</b> Subtraction with Renaming	<b>L.19</b> Subtract mixed numbers with unlike denominators >> <b>L.20</b> Add and subtract mixed numbers: word problems >>
<b>5.8:</b> Problem Solving: Use Properties of Addition	<b>L.12</b> Add 3 or more fractions with unlike denominators >>

# Module 6

## Multiply and Divide Unit Fractions and Whole Numbers

Textbook section	IXL skills
<b>6.1:</b> Find Part of a Group	
<b>6.2:</b> Investigate: Multiply Fractions and Whole Numbers	<b>M.2</b> Multiply unit fractions by whole numbers using models >> <b>M.6</b> Multiply fractions by whole numbers using models >>
<b>6.3:</b> Fraction and Whole-Number Multiplication	<b>M.3</b> Multiples of fractions >> <b>M.8</b> Multiply fractions by whole numbers I >> <b>M.9</b> Multiply fractions by whole numbers II >> <b>M.10</b> Multiply fractions by whole numbers: word problems >>  <i>See also:</i> <b>M.4</b> Multiply unit fractions and whole numbers: sorting >> <b>M.7</b> Multiply fractions and whole numbers: sorting >> <b>M.11</b> Multiply fractions by whole numbers: input/output tables >>
<b>6.4:</b> Investigate: Divide Fractions and Whole Numbers	<b>N.2</b> Divide whole numbers by unit fractions using models >>
<b>6.5:</b> Problem Solving: Use Multiplication	<b>N.7</b> Divide unit fractions by whole numbers: word problems >>
<b>6.6:</b> Fraction and Whole-Number Division	<b>N.1</b> Divide unit fractions by whole numbers >> <b>N.3</b> Divide whole numbers by unit fractions >> <b>N.4</b> Divide whole numbers and unit fractions >> <b>N.7</b> Divide unit fractions by whole numbers: word problems >>



# Module 7

## Algebra: Expressions

Textbook section	IXL skills	
<b>7.1:</b> Factors and Divisibility		
<b>7.2:</b> Prime and Composite Numbers	<b>F.1</b>	<a href="#">Prime and composite numbers &gt;&gt;</a>
<b>7.3:</b> Numerical Expressions		
<b>7.4:</b> Problem Solving: Simplify Numerical Expressions	<b>O.4</b>	<a href="#">Evaluate numerical expressions &gt;&gt;</a>
<b>7.5:</b> Grouping Symbols	<b>O.4</b>	<a href="#">Evaluate numerical expressions &gt;&gt;</a>

# Module 8

## Algebra: Equations

Textbook section	IXL skills
<b>8.1:</b> Investigate: Equations	
<b>8.2:</b> Addition and Subtraction Equations	<b>V.4</b> Write variable equations: word problems >>
<b>8.3:</b> Multiplication and Division Equations	
<b>8.4:</b> Problem Solving: Represent and Solve Multi-Step Problems	<b>V.4</b> Write variable equations: word problems >>

# Module 9

## Algebra: Formulas

Textbook section	IXL skills
<b>9.1:</b> Formulas for Area and Perimeter	<b>EE.1</b> Perimeter with whole number side lengths >>
	<b>EE.4</b> Area of squares and rectangles >>
	<b>EE.10</b> Area and perimeter: word problems >>
	<i>See also:</i> <b>EE.7</b> Area of compound figures >>
<b>9.2:</b> Formulas for Volume	<b>EE.11</b> Volume of rectangular prisms made of unit cubes >>
<b>9.3:</b> Volume of a Cube	<b>EE.11</b> Volume of rectangular prisms made of unit cubes >>
<b>9.4:</b> Problem Solving: Apply Formulas	<b>EE.13</b> Volume of cubes and rectangular prisms >>

# Module 10

## Algebra: Patterns

Textbook section	IXL skills
<b>10.1:</b> Number Patterns	<b>C.22</b> Multiplication input/output tables >>  <i>See also:</i> <b>M.11</b> Multiply fractions by whole numbers: input/output tables >> <b>V.8</b> Complete a table for a two-variable relationship >>
<b>10.2:</b> Number Patterns in Tables	<b>C.23</b> Multiplication input/output tables: find the rule >>
<b>10.3:</b> Number Patterns in Graphs	<b>V.9</b> Complete a table from a graph >>
<b>10.4:</b> Problem Solving: Make Graphs	

# Module 11

## Two-Dimensional Figures

Textbook section	IXL skills
<b>11.1:</b> Polygons	<b>AA.3</b> Regular and irregular polygons >> <b>BB.4</b> Parallel sides in quadrilaterals >>
<b>11.2:</b> Triangles	<b>BB.3</b> Classify triangles >>
<b>11.3:</b> Quadrilaterals	<b>BB.9</b> Classify quadrilaterals >>
<b>11.4:</b> Problem Solving: Properties of Two-Dimensional Figures	

# Module 12

## Volume

Textbook section	IXL skills
12.1: Investigate: Unit cubes and Solid Figures	
12.2: Investigate: Understand Volume	<b>EE.11</b> Volume of rectangular prisms made of unit cubes >>
12.3: Volume of Rectangular Prisms	<b>EE.11</b> Volume of rectangular prisms made of unit cubes >>
12.4: Algebra: Apply Volume Formulas	<b>EE.13</b> Volume of cubes and rectangular prisms >>
12.5: Problem Solving: Compare Volumes	

# Module 13

## Convert Units of Measure

Textbook section	IXL skills
<b>13.1:</b> Appropriate Tools and Units	<b>Z.1</b> Choose the appropriate customary unit of measure >>
	<b>Z.7</b> Choose the appropriate metric unit of measure >>
<b>13.2:</b> Customary Lengths	<b>Z.2</b> Compare and convert customary units of length >>
<b>13.3:</b> Customary Capacity	<b>Z.4</b> Compare and convert customary units of volume >>
<b>13.4:</b> Weight	<b>Z.3</b> Compare and convert customary units of weight >>
	<i>See also:</i>
	<b>Z.5</b> Compare and convert customary units >>
	<b>Z.6</b> Conversion tables - customary units >>
	<b>Z.13</b> Compare customary units by multiplying >>
<b>13.5:</b> Multi-Step Measurement Problems	
<b>13.6:</b> Metric Measures	<b>Z.8</b> Compare and convert metric units of length >>
	<b>Z.9</b> Compare and convert metric units of weight >>
	<b>Z.10</b> Compare and convert metric units of volume >>
	<b>Z.11</b> Compare and convert metric units >>
	<i>See also:</i>
	<b>Z.12</b> Conversion tables - metric units >>
<b>13.7:</b> Problem Solving: Customary and Metric Conversions	<b>Z.13</b> Compare customary units by multiplying >>

# Module 14

## Graphing

Textbook section	IXL skills
<b>14.1:</b> Ordered Pairs	<b>U.1</b> Objects on a coordinate plane >> <b>U.3</b> Coordinate planes as maps >>  <i>See also:</i> <b>U.2</b> Graph points on a coordinate plane >> <b>U.4</b> Follow directions on a coordinate plane >> <b>U.5</b> Objects on a coordinate plane - all four quadrants >>
<b>14.2:</b> Investigate: Graph Data	
<b>14.3:</b> Algebra: Graph Number Patterns	<b>V.9</b> Complete a table from a graph >>  <i>See also:</i> <b>C.22</b> Multiplication input/output tables >>
<b>14.4:</b> Problem Solving: Graph and Analyze Relationships	



# Module 15

## Categorical Data

Textbook section	IXL skills
<b>15.1:</b> Make Frequency Tables	
<b>15.2:</b> Analyze Frequency Tables	<b>W.13</b> <a href="#">Frequency charts &gt;&gt;</a>
<b>15.3:</b> Investigate: Make Bar Graphs	<b>W.5</b> <a href="#">Create bar graphs &gt;&gt;</a>
<b>15.4:</b> Problem Solving: Analyze Bar Graphs	<b>W.4</b> <a href="#">Interpret bar graphs &gt;&gt;</a>

# Module 16

## Numerical Data

Textbook section	IXL skills
<b>16.1:</b> Make Dot Plots	<b>W.11</b> <a href="#">Create line plots &gt;&gt;</a>
<b>16.2:</b> Analyze Dot Plots	<b>W.10</b> <a href="#">Interpret line plots &gt;&gt;</a> <b>W.12</b> <a href="#">Create and interpret line plots with fractions &gt;&gt;</a>
<b>16.3:</b> Make Stem-and-Leaf Plots	
<b>16.4:</b> Analyze Stem-and-Leaf Plots	<b>W.14</b> <a href="#">Stem-and-leaf plots &gt;&gt;</a>
<b>16.5:</b> Make Scatter Plots	
<b>16.6:</b> Problem Solving: Analyze Scatter Plots	

# Module 17

## Personal Financial Literacy

Textbook section	IXL skills
<b>17.1:</b> Income and Payroll Taxes	
<b>17.2:</b> Sales and Property Taxes	
<b>17.3:</b> Income	
<b>17.4:</b> Paying Bills	
<b>17.5:</b> Keeping Records	
<b>17.6:</b> Make a Budget	
<b>17.7:</b> Problem Solving: Adjust a Budget	