



IXL Skill Alignment

5th alignment for GO Math! 2015 Common Core Edition

This document includes the IXL skill alignments to Houghton Mifflin Harcourt's *GO Math! 2015 Common Core Edition*. 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.

Chapter 1

Place Value, Multiplication, and Expressions

Textbook section	IXL skills
1.1: Place Value and Patterns	
1.2: Place Value of Whole Numbers	A.1 Convert between standard and expanded form >> A.2 Place value >> A.4 Choose word names for numbers >> A.5 Write word names for numbers >>
1.3: Properties	B.6 Properties of addition >> C.6 Properties of multiplication >>
1.4: Powers of 10 and Exponents	
1.5: Multiplication Patterns	
1.6: Multiply by 1-Digit Numbers	C.1 Multiply by 1-digit numbers >> C.2 Multiply by 1-digit numbers: word problems >>
1.7: Multiply by Multi-Digit Numbers	C.8 Estimate products >> C.13 Multiply 2-digit numbers by 2-digit numbers >> C.14 Multiply 2-digit numbers by 3-digit numbers >> C.16 Multiply by 2-digit numbers: word problems >> C.18 Multiply by 3-digit numbers >> <i>See also:</i> C.15 Multiply 2-digit numbers by larger numbers >>
1.8: Relate Multiplication to Division	
1.9: Problem Solving: Multiplication and Division	
1.10: Numerical Expressions	

1.11: Evaluate Numerical Expressions

1.12: Grouping Symbols

0.4 Evaluate numerical expressions >>

Chapter 2

Divide Whole Numbers

Textbook section	IXL skills
2.1: Place the First Digit	D.3 Divide multi-digit numbers by 1-digit numbers >>
	D.4 Divide multi-digit numbers by 1-digit numbers: word problems >>
2.2: Divide by 1-Digit Divisors	D.3 Divide multi-digit numbers by 1-digit numbers >>
	D.4 Divide multi-digit numbers by 1-digit numbers: word problems >>
	<i>See also:</i> D.5 Divide by 1-digit numbers: interpret remainders >>
2.3: Division with 2-Digit Divisors	
2.4: Partial Quotients	
2.5: Estimate with 2-Digit Divisors	
2.6: Divide by 2-Digit Divisors	D.11 Divide 2-digit and 3-digit numbers by 2-digit numbers >>
	D.12 Divide 2-digit and 3-digit numbers by 2-digit numbers: word problems >>
	D.13 Divide larger numbers by 2-digit numbers >>
	D.14 Divide larger numbers by 2-digit numbers: word problems >>
2.7: Interpret the Remainder	D.5 Divide by 1-digit numbers: interpret remainders >>
	D.12 Divide 2-digit and 3-digit numbers by 2-digit numbers: word problems >>
2.8: Adjust Quotients	
2.9: Problem Solving: Division	

Chapter 3

Add and Subtract Decimals

Textbook section	IXL skills
3.1: Thousandths	
3.2: Place Value of Decimals	<p>G.16 Convert decimals between standard and expanded form using fractions >></p> <p><i>See also:</i></p> <p>G.3 Understanding decimals expressed in words >></p> <p>G.4 Place values in decimal numbers >></p>
3.3: Compare and Order Decimals	<p>G.11 Put decimal numbers in order >></p> <p><i>See also:</i></p> <p>G.6 Equivalent decimals >></p> <p>G.10 Compare decimal numbers >></p>
3.4: Round Decimals	
3.5: Decimal Addition	
3.6: Decimal Subtraction	
3.7: Estimate Decimal Sums and Differences	H.8 Estimate sums and differences of decimals >>
3.8: Add Decimals	H.1 Add decimal numbers >>
3.9: Subtract Decimals	<p>H.2 Subtract decimal numbers >></p> <p><i>See also:</i></p> <p>H.3 Add and subtract decimal numbers >></p>
3.10: Patterns with Decimals	G.19 Number sequences involving decimals >>
3.11: Add and Subtract Money	<p>S.1 Add and subtract money amounts >></p> <p>S.2 Add and subtract money: word problems >></p>

3.12: Choose a Method

- H.1** Add decimal numbers >>
- H.2** Subtract decimal numbers >>
- H.3** Add and subtract decimal numbers >>
- H.4** Add and subtract decimals: word problems >>
- S.1** Add and subtract money amounts >>
- S.2** Add and subtract money: word problems >>

See also:

- H.6** Complete the addition or subtraction sentence >>
-

Chapter 4

Multiply Decimals

Textbook section	IXL skills
4.1: Multiplication Patterns with Decimals	
4.2: Multiply Decimals and Whole Numbers	
4.3: Multiplication with Decimals and Whole Numbers	1.3 Multiply a decimal by a one-digit whole number >>
4.4: Multiply Using Expanded Form	
4.5: Problem Solving: Multiply Money	
4.6: Decimal Multiplication	1.7 Multiply two decimals using grids >>
4.7: Multiply Decimals	1.8 Multiply two decimals >>
4.8: Zeros in the Product	

Chapter 5

Divide Decimals

Textbook section	IXL skills
5.1: Division Patterns with Decimals	
5.2: Divide Decimals by Whole Numbers	
5.3: Estimate Quotients	
5.4: Division of Decimals by Whole Numbers	
5.5: Decimal Division	
5.6: Divide Decimals	
5.7: Write Zeros in the Dividend	
5.8: Problem Solving: Decimal Quotients	S.2 Add and subtract money: word problems >> S.3 Multiply money amounts: word problems >> S.4 Divide money amounts: word problems >>

Chapter 6

Add and Subtract Fractions with Unlike Denominators

Textbook section	IXL skills
6.1: Addition with Unlike Denominators	L.6 Add fractions with unlike denominators using models >>
6.2: Subtraction with Unlike Denominators	L.9 Subtract fractions with unlike denominators using models >>
6.3: Estimate Fraction Sums and Differences	
6.4: Common Denominators and Equivalent Fractions	K.4 Equivalent fractions >> K.7 Least common denominator >>
6.5: Add and Subtract Fractions	L.11 Add and subtract fractions with unlike denominators: word problems >> <i>See also:</i> L.8 Add fractions with unlike denominators >> L.10 Subtract fractions with unlike denominators >> L.15 Complete addition and subtraction sentences with fractions >>
6.6: Add and Subtract Mixed Numbers	L.18 Add mixed numbers with unlike denominators >>
6.7: Subtraction with Renaming	L.19 Subtract mixed numbers with unlike denominators >>
6.8: Patterns with Fractions	K.12 Arithmetic sequences with fractions >>
6.9: Problem Solving: Practice Addition and Subtraction	L.20 Add and subtract mixed numbers: word problems >> L.21 Add and subtract fractions in recipes >>
6.10: Use Properties of Addition	

Chapter 7

Multiply Fractions

Textbook section	IXL skills
7.1: Find Part of a Group	
7.2: Multiply Fractions and Whole Numbers	M.2 Multiply unit fractions by whole numbers using models >> M.6 Multiply fractions by whole numbers using models >>
7.3: Fraction and Whole Number Multiplication	M.8 Multiply fractions by whole numbers I >> M.9 Multiply fractions by whole numbers II >> M.10 Multiply fractions by whole numbers: word problems >>
7.4: Multiply Fractions	M.12 Multiply two unit fractions using models >> M.14 Multiply two fractions using models >>
7.5: Compare Fraction Factors and Products	M.18 Scaling fractions by fractions >>
7.6: Fraction Multiplication	M.15 Multiply two fractions >> M.16 Multiply two fractions: word problems >>
7.7: Area and Mixed Numbers	
7.8: Compare Mixed Number Factors and Products	M.19 Scaling mixed numbers by fractions >>
7.9: Multiply Mixed Numbers	M.23 Multiply a mixed number by a whole number >> M.24 Multiply a mixed number by a fraction >> M.25 Multiply two mixed numbers >> M.27 Multiplication with mixed numbers: word problems >>
	<i>See also:</i> M.28 Multiply fractions and mixed numbers in recipes >>
7.10: Problem Solving: Find Unknown Lengths	

Chapter 8

Divide Fractions

Textbook section	IXL skills
8.1: Divide Fractions and Whole Numbers	N.1 Divide unit fractions by whole numbers >> N.2 Divide whole numbers by unit fractions using models >> N.3 Divide whole numbers by unit fractions >> N.4 Divide whole numbers and unit fractions >>
8.2: Problem Solving: Use Multiplication	
8.3: Connect Fractions to Division	
8.4: Fraction and Whole Number Division	N.1 Divide unit fractions by whole numbers >> N.2 Divide whole numbers by unit fractions using models >> N.3 Divide whole numbers by unit fractions >> N.4 Divide whole numbers and unit fractions >>
8.5: Interpret Division with Fractions	N.7 Divide unit fractions by whole numbers: word problems >>

Chapter 9

Algebra: Patterns and Graphing

Textbook section	IXL skills
9.1: Line Plots	W.12 Create and interpret line plots with fractions >>
9.2: Ordered Pairs	U.1 Objects on a coordinate plane >> U.2 Graph points on a coordinate plane >> <i>See also:</i> U.3 Coordinate planes as maps >>
9.3: Graph Data	
9.4: Line Graphs	W.2 Interpret line graphs >> W.3 Create line graphs >>
9.5: Numerical Patterns	C.22 Multiplication input/output tables >> C.23 Multiplication input/output tables: find the rule >>
9.6: Problem Solving: Find a Rule	C.23 Multiplication input/output tables: find the rule >>
9.7: Graph and Analyze Relationships	

Chapter 10

Convert Units of Measure

Textbook section	IXL skills
10.1: Customary Length	Z.2 Compare and convert customary units of length >>
10.2: Customary Capacity	Z.4 Compare and convert customary units of volume >>
10.3: Weight	Z.3 Compare and convert customary units of weight >>
10.4: Multistep Measurement Problems	
10.5: Metric Measures	Z.8 Compare and convert metric units of length >> Z.9 Compare and convert metric units of weight >> Z.10 Compare and convert metric units of volume >> Z.11 Compare and convert metric units >> <i>See also:</i> Z.12 Conversion tables - metric units >>
10.6: Problem Solving: Customary and Metric Conversions	
10.7: Elapsed Time	Y.4 Elapsed time >> <i>See also:</i> Y.5 Find start and end times: word problems >>

Chapter 11

Geometry and Volume

Textbook section	IXL skills
11.1: Polygons	<p>AA.3 Regular and irregular polygons >></p> <p><i>See also:</i></p> <p>AA.2 Number of sides in polygons >></p>
11.2: Triangles	<p>BB.1 Acute, obtuse, and right triangles >></p> <p>BB.2 Scalene, isosceles, and equilateral triangles >></p> <p>BB.3 Classify triangles >></p>
11.3: Quadrilaterals	<p>BB.5 Identify parallelograms >></p> <p>BB.6 Identify trapezoids >></p> <p>BB.7 Identify rectangles >></p> <p>BB.8 Identify rhombuses >></p> <p>BB.9 Classify quadrilaterals >></p> <p><i>See also:</i></p> <p>BB.4 Parallel sides in quadrilaterals >></p>
11.4: Three-Dimensional Figures	<p>DD.1 Identify three-dimensional figures >></p>
11.5: Unit Cubes and Solid Figures	<p>EE.11 Volume of rectangular prisms made of unit cubes >></p> <p><i>See also:</i></p> <p>EE.12 Volume of irregular figures made of unit cubes >></p>
11.6: Understand Volume	<p>EE.11 Volume of rectangular prisms made of unit cubes >></p>
11.7: Estimate Volume	
11.8: Volume of Rectangular Prisms	
11.9: Apply Volume Formulas	<p>EE.13 Volume of cubes and rectangular prisms >></p>

11.10: Problem Solving: Compare Volumes

11.11: Find Volume of Composed Figures
