IXL Skill Alignment

4th alignment for GO Math! 2015 Common Core Edition

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Chapter 1

Place Value, Addition, and Subtraction to One Million

Textbook section	IXL skills
1.1: Model Place Value Relationships	**A.1** Value of a digit >> *See also:* **A.3** Place value names >>
1.2: Read and Write Numbers	**A.2** Convert between standard and expanded form >> **A.5** Choose word names for numbers up to one thousand >> **A.6** Write word names for numbers up to one thousand >> **A.10** Write word names for numbers up to one million >> *See also:* **A.9** Choose word names for numbers up to one million >>
1.3: Compare and Order Numbers	**A.21** Compare numbers up to one billion >>
1.4: Round Numbers	
1.5: Rename Numbers	**A.4** Convert between place values >>
1.6: Add Whole Numbers	
1.7: Subtract Whole Numbers	**C.8** Estimate differences >> **C.9** Estimate differences: word problems >>
1.8: Problem Solving - Comparison Problems with Addition and Subtraction	

Chapter 2

Multiply by 1-Digit Numbers

Textbook section	IXL skills	
2.1: Multiplication Comparisons		
2.2: Comparison Problems		
2.3: Multiply Tens, Hundreds, and Thousands		
2.4: Estimate Products	**D.13**	Estimate products - multiply by 1-digit numbers >>
2.5: Multiply Using the Distributive Property		
2.6: Multiply Using Expanded Form	**D.11**	Distributive property: find the missing factor >>
2.7: Multiply Using Partial Products		
2.8: Multiply Using Mental Math		
2.9: Problem Solving - Multistep Multiplication Problems	**D.28**	Multiply three or more numbers: word problems >>
2.10: Multiply 2-Digit Numbers with Regrouping	**D.6**	Multiply 1-digit numbers by 2-digit numbers >>
	See also:	
	D.30	Multiplication input/output tables >>
	D.31	Multiplication input/output tables: find the rule >>
2.11: Multiply 3-Digit and 4-Digit Numbers with Regrouping	**D.7**	Multiply 1-digit numbers by 3-digit or 4-digit numbers >>
2.12: Solve Multistep Problems Using Equations		

Chapter 3

Multiply 2-Digit Numbers

Textbook section	IXL skills
3.1: Multiply by Tens	
3.2: Estimate Products	
3.3: Area Models and Partial Products	
3.4: Multiply Using Partial Products	
3.5: Multiply with Regrouping	**D.19** Multiply a 2-digit number by a 2-digit number >> **D.20** Multiply a 2-digit number by a 2-digit number: word problems >> *See also:* **D.18** Multiply a 2-digit number by a 2-digit number: complete the missing steps >>
3.6: Choose a Multiplication Method	**D.19** Multiply a 2-digit number by a 2-digit number >> **D.20** Multiply a 2-digit number by a 2-digit number: word problems >>
3.7: Problem Solving - Multiply 2-Digit Numbers	

Chapter 4

Divide by 1-Digit Numbers

Textbook section	IXL skills	
4.1: Estimate Quotients Using Multiples		
4.2: Remainders		
4.3: Interpret the Remainder	**E.5**	Divide 2-digit numbers by 1-digit numbers: word problems >>
	E.7	Divide 2-digit numbers by 1-digit numbers: interpret remainders >>
4.4: Divide Tens, Hundreds, and Thousands		
4.5: Estimate Quotients Using Compatible Numbers		
4.6: Division and the Distributive Property		
4.7: Divide Using Repeated Subtraction		
4.8: Divide Using Partial Quotients		
4.9: Model Division with Regrouping		
4.10: Place the First Digit		
4.11: Divide by 1-Digit Numbers	**E.8**	Divide larger numbers by 1-digit numbers >>
	E.9	Divide larger numbers by 1-digit numbers: word problems >>
4.12: Problem Solving - Multistep Division Problems	**F.6**	Multi-step word problems >>

Chapter 5

Factors, Multiples, and Patterns

Textbook section	IXL skills	
5.1: Model Factors		
5.2: Factors and Divisibility	**D.5**	Identify factors >>
5.3: Problem Solving - Common Factors		
5.4: Factors and Multiples	**D.4**	Choose the multiples of a given number up to 12 >>
	D.5	Identify factors >>
5.5: Prime and Composite Numbers	**A.14**	Prime and composite - up to 20 >>
5.6: Number Patterns	**L.7**	Use a rule to complete a number pattern >>
	See also:	
	L.8	Number patterns: word problems >>
	L.9	Number patterns: mixed review >>

Chapter 6

Fraction Equivalence and Comparison

Textbook section	IXL skills
6.1: Equivalent Fractions	**P.5** Find equivalent fractions using area models >>
6.2: Generate Equivalent Fractions	**P.7** Equivalent fractions >> *See also:* **P.9** Patterns of equivalent fractions >>
6.3: Simplest Form	**P.10** Write fractions in lowest terms >>
6.4: Common Denominators	
6.5: Problem Solving - Find Equivalent Fractions	
6.6: Compare Fractions Using Benchmarks	**P.16** Compare fractions using benchmarks >> *See also:* **P.15** Benchmark fractions >>
6.7: Compare Fractions	**P.13** Compare fractions with like numerators or denominators >> **P.17** Compare fractions >> **P.18** Compare fractions in recipes >> *See also:* **P.11** Compare fractions with like numerators or denominators using models >> **P.14** Compare fractions using models >>
6.8: Compare and Order Fractions	**P.19** Graph and order fractions on number lines >> **P.20** Order fractions with like numerators or denominators >> **P.21** Order fractions >>

Chapter 7

Add and Subtract Fractions

Textbook section	IXL skills	
7.1: Add and Subtract Parts of a Whole		
7.2: Write Fractions as Sums	**Q.1**	Decompose fractions into unit fractions >>
	Q.2	Decompose fractions >>
	Q.3	Decompose fractions multiple ways >>
7.3: Add Fractions Using Models		
7.4: Subtract Fractions Using Models		
7.5: Add and Subtract Fractions	**Q.5**	Add fractions with like denominators >>
	Q.7	Subtract fractions with like denominators >>
	Q.9	Add and subtract fractions with like denominators >>
	Q.11	Add and subtract fractions with like denominators: word problems >>
	See also:	
	Q.12	Add and subtract fractions with like denominators in recipes >>
7.6: Rename Fractions and Mixed Numbers	**P.23**	Convert between improper fractions and mixed numbers >>
7.7: Add and Subtract Mixed Numbers		
7.8: Subtraction with Renaming	**Q.14**	Add and subtract mixed numbers with like denominators >>
7.9: Fractions and Properties of Addition		
7.10: Problem Solving: Multistep Fraction Problems		

Chapter 8

Multiply Fractions by Whole Numbers

Textbook section	IXL skills	
8.1: Multiples of Unit Fractions	**S.1**	Multiply unit fractions by whole numbers using number lines >>
	S.2	Multiply unit fractions by whole numbers using models >>
	S.5	Multiply unit fractions by whole numbers >>
	See also:	
	S.3	Multiples of fractions >>
8.2: Multiples of Fractions	**S.3**	Multiples of fractions >>
	S.7	Multiply fractions by whole numbers using number lines >>
8.3: Multiply a Fraction by a Whole Number Using Models	**S.2**	Multiply unit fractions by whole numbers using models >>
	S.8	Multiply fractions by whole numbers using models >>
8.4: Multiply a Fraction or Mixed Number by a Whole Number	**S.5**	Multiply unit fractions by whole numbers >>
	S.10	Multiply fractions by whole numbers >>
	S.12	Multiply fractions by whole numbers: word problems >>
	S.13	Multiply fractions and mixed numbers by whole numbers in recipes >>
8.5: Problem Solving: Comparison Problems with Fractions	**S.6**	Multiply unit fractions by whole numbers: word problems >>
	S.12	Multiply fractions by whole numbers: word problems >>

Chapter 9

Relate Fractions and Decimals

Textbook section	IXL skills
9.1: Relate Tenths and Decimals	
9.2: Relate Hundredths and Decimals	**T.1** What decimal number is illustrated? >> **T.2** Model decimals and fractions >> **T.9** Convert fractions and mixed numbers to decimals - denominators of 10 and 100 >> *See also:* **T.7** Decimal number lines >> **T.8** Graph fractions as decimals on number lines >>
9.3: Equivalent Fractions and Decimals	**T.5** Equivalent decimals >> **T.9** Convert fractions and mixed numbers to decimals - denominators of 10 and 100 >>
9.4: Relate Fractions, Decimals, and Money	**M.1** Count coins and bills - up to $5 bill >>
9.5: Problem Solving: Money	**M.6** Making change >>
9.6: Add Fractional Parts of 10 and 100	**R.5** Add fractions with denominators of 10 and 100 >>
9.7: Compare Decimals	**T.14** Compare decimals on number lines >> *See also:* **T.18** Compare decimals and fractions on number lines >>

Chapter 10

Two Dimensional Figures

Textbook section	IXL skills	
10.1: Lines, Rays, and Angles	**W.4**	Lines, line segments, and rays >>
	Z.1	Acute, right, obtuse, and straight angles >>
10.2: Classify Triangles by Angles	**X.1**	Acute, obtuse, and right triangles >>
10.3: Parallel Lines and Perpendicular Lines	**W.5**	Parallel, perpendicular, and intersecting lines >>
10.4: Classify Quadrilaterals	**X.4**	Parallel sides in quadrilaterals >>
	X.5	Identify parallelograms >>
	X.6	Identify trapezoids >>
	X.7	Identify rectangles >>
	X.8	Identify rhombuses >>
	X.9	Classify quadrilaterals >>
10.5: Line Symmetry	**Y.1**	Identify lines of symmetry >>
10.6: Find and Draw Lines of Symmetry	**Y.2**	Draw lines of symmetry >>
	Y.3	Count lines of symmetry >>
10.7: Problem Solving: Shape Patterns	**L.1**	Find the next shape in a repeating pattern >>
	L.2	Complete a repeating pattern >>
	L.3	Make a repeating pattern >>
	L.4	Find the next row in a growing pattern of shapes >>

Chapter 11

Angles

Textbook section	IXL skills	
11.1: Angles and Fractional Parts of a Circle		
11.2: Degrees	**Z.1**	Acute, right, obtuse, and straight angles >>
	Z.2	Angles of 90, 180, 270, and 360 degrees >>
11.3: Measure and Draw Angles	**Z.3**	Measure angles with a protractor >>
11.4: Join and Separate Angles	**Z.5**	Adjacent angles >>
11.5: Problem Solving: Unknown Angles		

Chapter 12

Relative Size of Measurement Units

Textbook section	IXL skills	
12.1: Measurement Benchmarks	**N.2**	Which customary unit is appropriate? >>
	N.11	Which metric unit is appropriate? >>
12.2: Customary Units of Length	**N.3**	Compare and convert customary units of length >>
12.3: Customary Units of Weight	**N.4**	Compare and convert customary units of weight >>
12.4: Customary Units of Liquid Volume	**N.5**	Compare and convert customary units of volume >>
	See also:	
	N.6	Compare and convert customary units >>
	N.7	Conversion tables - customary units >>
12.5: Line Plots	**J.8**	Create and interpret line plots with fractions >>
	See also:	
	J.6	Interpret line plots >>
	J.7	Create line plots >>
12.6: Metric Units of Length	**N.12**	Compare and convert metric units of length >>
12.7: Metric Units of Mass and Liquid Volume	**N.13**	Compare and convert metric units of weight >>
	N.14	Compare and convert metric units of volume >>
	See also:	
	N.15	Compare and convert metric units >>
	N.16	Conversion tables - metric units >>
12.8: Units of Time		
12.9: Problem Solving: Elapsed Time	**O.5**	Elapsed time >>
	O.6	Elapsed time: word problems >>

12.10: Mixed Measures

N.9	Convert mixed customary units >>
N.10	Add and subtract mixed customary units >>
O.1	Convert time units >>
O.2	Add and subtract mixed time units >>

12.11: Patterns in Measurement Units

Chapter 13

Algebra: Perimeter and Area

Textbook section	IXL skills
13.1: Perimeter	
13.2: Area	**BB.11** Area and perimeter: word problems >> *See also:* **BB.6** Find the area or missing side length of a rectangle >>
13.3: Area of Combined Rectangles	**BB.7** Area of complex figures (with all right angles) >>
13.4: Find Unknown Measures	**BB.2** Perimeter: find the missing side lengths >> **BB.6** Find the area or missing side length of a rectangle >> **BB.11** Area and perimeter: word problems >>
13.5: Problem Solving: Find the Area	**BB.8** Area between two rectangles >>