



IXL Skill Alignment

3rd alignment for GO Math! 2011 Common Core Edition

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Chapter 1

Addition and Subtraction Within 1,000

Textbook section	IXL skills
1.1: Number Patterns	A.1 Even or odd >> A.2 Even or odd: arithmetic rules >> <i>See also:</i> N.3 Properties of addition >>
1.2: Round to the Nearest Ten or Hundred	P.1 Rounding - nearest ten or hundred only >>
1.3: Estimate Sums	P.5 Estimate sums up to 1,000 >>
1.4: Mental Math Strategies for Addition	
1.5: Use Properties to Add	N.3 Properties of addition >> <i>See also:</i> C.6 Add three numbers up to three digits each >> N.4 Solve using properties of addition >>
1.6: Use the Break Apart Strategy to Add	
1.7: Use Place Value to Add	C.1 Add two numbers up to three digits >> C.3 Add two numbers up to three digits - word problems >> <i>See also:</i> C.4 Complete the addition sentence - up to three digits >> C.6 Add three numbers up to three digits each >> C.7 Add three numbers up to three digits each: word problems >> C.16 Addition: fill in the missing digits >>
1.8: Estimate Differences	P.8 Estimate differences up to 1,000 >> P.9 Estimate differences >>
1.9: Mental Math Strategies for Subtraction	

1.10: Use Place Value to Subtract**D.1** Subtract numbers up to three digits >>**D.3** Subtract numbers up to three digits - word problems >>*See also:***D.4** Complete the subtraction sentence - up to three digits >>**1.11:** Combine Place Values to Subtract**D.1** Subtract numbers up to three digits >>**1.12:** Model Addition and Subtraction

Chapter 2

Represent and Interpret Data

Textbook section	IXL skills	
2.1: Organize Data	U.4	Interpret tally charts and tables >>
2.2: Use Picture Graphs	U.11	Interpret pictographs >>
2.3: Make Picture Graphs	U.12	Create pictographs >>
2.4: Use Bar Graphs	U.5	Interpret bar graphs >>
2.5: Make Bar Graphs	U.7	Create bar graphs >>
2.6: Solve Problems Using Data	U.5	Interpret bar graphs >>
2.7: Use and Make Line Plots	U.8	Interpret line plots >>
	U.9	Create line plots >>

Chapter 3

Understand Multiplication

Textbook section	IXL skills	
3.1: Count Equal Groups	E.1	Count equal groups >>
3.2: Relate Addition and Multiplication	E.2	Identify multiplication expressions for equal groups >>
	E.3	Write multiplication sentences for equal groups >>
	E.4	Relate addition and multiplication for equal groups >>
	N.9	Relate addition and multiplication >>
3.3: Skip Count on a Number Line	E.8	Write multiplication sentences for number lines >>
3.4: Model Multiplication		
3.5: Model with Arrays	E.5	Identify multiplication expressions for arrays >>
	E.6	Write multiplication sentences for arrays >>
	E.7	Make arrays to model multiplication >>
3.6: Commutative Property of Multiplication		
3.7: Multiply with 1 and 0	F.1	Multiply by 0 >>
	F.2	Multiply by 1 >>

Chapter 4

Multiplication Facts and Strategies

Textbook section	IXL skills
4.1: Multiply with 2 and 4	F.3 Multiply by 2 >> F.5 Multiply by 4 >>
4.2: Multiply with 5 and 10	F.6 Multiply by 5 >> F.11 Multiply by 10 >> <i>See also:</i> G.1 Multiplication tables for 2, 3, 4, 5, and 10 >>
4.3: Multiply with 3 and 6	F.4 Multiply by 3 >> F.7 Multiply by 6 >>
4.4: Distributive Property	N.6 Distributive property: find the missing factor >>
4.5: Multiply with 7	F.8 Multiply by 7 >>
4.6: Associative Property of Multiplication	
4.7: Patterns on the Multiplication Table	A.2 Even or odd: arithmetic rules >>
4.8: Multiply with 8	F.9 Multiply by 8 >>
4.9: Multiply with 9	F.10 Multiply by 9 >> <i>See also:</i> G.5 Multiplication tables for 6, 7, 8, and 9 >> G.9 Multiplication tables up to 10 >>
4.10: Problem Solving - Multiplication	H.6 Multiplication word problems >> H.7 Multiplication word problems: find the missing factor >>

Chapter 5

Use Multiplication Facts

Textbook section	IXL skills
5.1: Describe Patterns	H.4 Multiplication input/output tables >> H.5 Multiplication input/output tables: find the rule >>
5.2: Find Unknown Factors	G.4 Multiplication facts for 2, 3, 4, 5, and 10: find the missing factor >> G.8 Multiplication facts for 6, 7, 8, and 9: find the missing factor >> G.12 Multiplication facts up to 10: find the missing factor >>
5.3: Use the Distributive Property	
5.4: Multiplication Strategies with Multiples of 10	H.1 Multiply by a multiple of ten >>
5.5: Multiply Multiples of 10 by 1-Digit Numbers	H.1 Multiply by a multiple of ten >>

Chapter 6

Understand Division

Textbook section	IXL skills
6.1: Model Division	I.1 Divide by counting equal groups >>
6.2: Size of Equal Groups	I.1 Divide by counting equal groups >> L.5 Division word problems >>
6.3: Number of Equal Groups	I.1 Divide by counting equal groups >> L.5 Division word problems >>
6.4: Model with Bar Models	
6.5: Relate Subtraction and Division	K.1 Division facts for 2, 3, 4, 5, and 10 >> K.7 Division facts up to 10 >>
6.6: Model with Arrays	I.4 Write division sentences for arrays >>
6.7: Relate Multiplication and Division	G.12 Multiplication facts up to 10: find the missing factor >> I.3 Relate multiplication and division for groups >> I.5 Relate multiplication and division for arrays >> N.10 Relate multiplication and division >>
6.8: Write Related Facts	I.5 Relate multiplication and division for arrays >> N.10 Relate multiplication and division >>
6.9: Division Rules for 1 and 0	J.1 Divide by 1 >>

Chapter 7

Division Facts and Strategies

Textbook section	IXL skills	
7.1: Divide by 2	J.2	Divide by 2 >>
7.2: Divide by 10	J.10	Divide by 10 >>
7.3: Divide by 5	J.5	Divide by 5 >>
7.4: Divide by 3	J.3	Divide by 3 >>
7.5: Divide by 4	J.4	Divide by 4 >>
7.6: Divide by 6	J.6	Divide by 6 >>
7.7: Divide by 7	J.7	Divide by 7 >>
7.8: Divide by 8	J.8	Divide by 8 >>
7.9: Divide by 9	J.9	Divide by 9 >>
7.10: Two-Step Problems	M.12	Multi-step word problems >>
7.11: Order of Operations		

Chapter 8

Understand Fractions

Textbook section	IXL skills
8.1: Equal Parts of a Whole	W.1 Identify equal parts >> W.6 Match fractions to models: halves, thirds, and fourths >>
8.2: Equal Shares	
8.3: Unit Fractions of a Whole	W.6 Match fractions to models: halves, thirds, and fourths >> W.7 Match unit fractions to models >> W.17 Unit fractions: word problems >>
8.4: Fractions of a Whole	W.2 Understand fractions: fraction bars >> W.3 Understand fractions: area models >> W.4 Show fractions: fraction bars >> W.5 Show fractions: area models >> W.7 Match unit fractions to models >> W.18 Fractions of a whole: modeling word problems >> W.19 Fractions of a whole: word problems >>
8.5: Fractions on a Number Line	W.11 Identify unit fractions on number lines >> W.12 Identify fractions on number lines >> W.13 Graph unit fractions on number lines >> <i>See also:</i> W.14 Graph fractions on number lines >>
8.6: Relate Fractions and Whole Numbers	X.7 Graph fractions equivalent to 1 on number lines >> X.8 Select fractions equivalent to whole numbers using area models >> X.9 Find fractions equivalent to whole numbers >>
8.7: Fractions of a Group	W.8 Match fractions to models >> W.20 Fractions of a group: word problems >>

8.8: Find Part of a Group Using Unit Fractions

Z.1

Fractions of a number - unit fractions >>

Z.3

Fractions of a number - unit fractions:
word problems >>

8.9: Find the Whole Group Using Unit Fractions

Chapter 9

Compare Fractions

Textbook section	IXL skills
9.1: Problem Solving - Compare Fractions	
9.2: Compare Fractions with the Same Denominator	W.15 Graph smaller or larger fractions on a number line >> Y.3 Graph and compare fractions with like denominators on number lines >>
9.3: Compare Fractions with the Same Numerator	Y.4 Graph and compare fractions with like numerators on number lines >>
9.4: Compare Fractions	Y.5 Graph and compare fractions on number lines >>
9.5: Compare and Order Fractions	Y.9 Graph and order fractions on number lines >> Y.10 Order fractions with like denominators >> Y.11 Order fractions with like numerators >>
9.6: Model Equivalent Fractions	X.3 Find equivalent fractions using number lines >> <i>See also:</i> X.1 Find equivalent fractions using area models >> X.2 Identify equivalent fractions on number lines >>
9.7: Equivalent Fractions	X.1 Find equivalent fractions using area models >> X.3 Find equivalent fractions using number lines >> <i>See also:</i> X.4 Graph equivalent fractions on number lines >>

Chapter 10

Time, Length, Liquid Volume, and Mass

Textbook section	IXL skills	
10.1: Time to the Minute	T.3	Read clocks and write times >>
10.2: A.M. and P.M.	T.4	A.M. or P.M. >>
10.3: Measure Time Intervals	T.7	Elapsed time word problems I >>
10.4: Use Time Intervals	T.6	Elapsed time >>
10.5: Problem Solving - Time Intervals		
10.6: Measure Length	BB.3	Measure using an inch ruler >>
10.7: Estimate and Measure Liquid Volume		
10.8: Estimate and Measure Mass	BB.14	Which metric unit of weight is appropriate? >>
10.9: Solve Problems About Liquid Volume and Mass		

Chapter 11

Perimeter and Area

Textbook section	IXL skills
11.1: Model Perimeter	FF.1 Perimeter of rectangles >>
11.2: Find Perimeter	
11.3: Find Unknown Side Lengths	FF.4 Perimeter: find the missing side length >>
11.4: Understand Area	FF.6 Find the area of figures made of unit squares >>
11.5: Measure Area	FF.6 Find the area of figures made of unit squares >>
11.6: Use Area Models	FF.9 Create figures with a given area >>
11.7: Area of Rectangles	FF.10 Find the area of rectangles and squares >> FF.13 Find the area of rectangles: word problems >>
11.8: Area of Combined Rectangles	FF.14 Find the area of complex figures >>
11.9: Same Perimeter, Different Areas	FF.16 Compare area and perimeter of two figures >> FF.18 Relationship between area and perimeter I >>
11.10: Same Area, Different Perimeters	FF.16 Compare area and perimeter of two figures >> FF.18 Relationship between area and perimeter I >>

Chapter 12

Two-Dimensional Shapes

Textbook section	IXL skills
12.1: Describe Plane Shapes	CC.5 Lines, line segments, and rays >>
12.2: Describe Angles in Plane Shapes	CC.6 Angles greater than, less than, or equal to a right angle >>
12.3: Identify Polygons	CC.2 Count and compare sides and vertices >> CC.4 Is it a polygon? >> <i>See also:</i> DD.3 Parallel sides in quadrilaterals >>
12.4: Describe Sides of Polygons	CC.7 Parallel, perpendicular, and intersecting lines >>
12.5: Classify Quadrilaterals	DD.8 Classify quadrilaterals >>
12.6: Draw Quadrilaterals	
12.7: Describe Triangles	DD.1 Acute, obtuse, and right triangles >> DD.2 Scalene, isosceles, and equilateral triangles >>
12.8: Classify Plane Shape	
12.9: Relate Shapes, Fractions, and Area	