



IXL Skill Alignment

3rd alignment for My Math

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Chapter 1

Place Value

Textbook section	IXL skills	
Lesson 1: Place Value Through Thousands	B.1	Place value models up to thousands >>
	B.2	Place value names up to thousands >>
	B.4	Value of a digit >>
	B.5	Convert to/from a number >>
	B.7	Convert from expanded form >>
	B.8	Convert between standard and expanded form >>
	B.9	Place value word problems >>
Lesson 2: Compare Numbers	A.9	Compare numbers >>
	A.10	Which number is greatest/least? >>
Lesson 3: Order Numbers	A.11	Order numbers >>
Lesson 4: Round to the Nearest Ten		
Lesson 5: Round to the Nearest Hundred	P.1	Rounding - nearest ten or hundred only >>
Lesson 6: Problem-Solving Investigation: Use the Four-Step Plan	P.4	Rounding puzzles >>

Chapter 2

Addition

Textbook section	IXL skills	
Lesson 1: Addition Properties	N.3	Properties of addition >>
	N.4	Solve using properties of addition >>
Lesson 2: Patterns in the Addition Table		
Lesson 3: Addition Patterns		
Lesson 4: Add Mentally		
Lesson 5: Estimate Sums	P.5	Estimate sums up to 1,000 >>
Lesson 6: Hands On: Use Models to Add		
Lesson 7: Add Three-Digit Numbers	C.1	Add two numbers up to three digits >>
	C.2	Addition input/output tables - up to three digits >>
	C.3	Add two numbers up to three digits - word problems >>
	C.6	Add three numbers up to three digits each >>
	C.7	Add three numbers up to three digits each: word problems >>
Lesson 8: Add Four-Digit Numbers	C.9	Add two numbers with four or more digits >>
	C.10	Addition input/output tables - four or more digits >>
	C.11	Add two numbers with four or more digits - word problems >>
Lesson 9: Problem-Solving Investigation: Reasonable Answers	P.7	Estimate sums: word problems >>

Chapter 3

Subtraction

Textbook section	IXL skills	
Lesson 1: Subtract Mentally		
Lesson 2: Estimate Differences	P.8	Estimate differences up to 1,000 >>
	P.9	Estimate differences >>
	P.10	Estimate differences: word problems >>
Lesson 3: Problem-Solving Investigation: Estimate or Exact Answer		
Lesson 4: Hands On: Subtract with Regrouping		
Lesson 5: Subtract Three-Digit Numbers	D.1	Subtract numbers up to three digits >>
	D.2	Subtraction input/output tables - up to three digits >>
	D.3	Subtract numbers up to three digits - word problems >>
Lesson 6: Subtract Four-Digit Numbers	D.7	Subtract numbers with four or more digits >>
	D.8	Subtraction input/output tables - four or more digits >>
	D.9	Subtraction: fill in the missing digits >>
Lesson 7: Subtract Across Zeros	D.3	Subtract numbers up to three digits - word problems >>
	D.7	Subtract numbers with four or more digits >>

Chapter 4

Understand Multiplication

Textbook section	IXL skills	
Lesson 1: Hands On: Model Multiplication	E.1	Count equal groups >>
	E.2	Identify multiplication expressions for equal groups >>
	E.4	Relate addition and multiplication for equal groups >>
Lesson 2: Multiplication as Repeated Addition	E.3	Write multiplication sentences for equal groups >>
	E.4	Relate addition and multiplication for equal groups >>
	N.9	Relate addition and multiplication >>
Lesson 3: Hands On: Multiply with Arrays	E.7	Make arrays to model multiplication >>
Lesson 4: Arrays and Multiplication	E.5	Identify multiplication expressions for arrays >>
	E.6	Write multiplication sentences for arrays >>
Lesson 5: Problem-Solving Investigation: Make a Table	H.6	Multiplication word problems >>
Lesson 6: Use Multiplication to Find Combinations	H.14	Combinations >>

Chapter 5

Understand Division

Textbook section	IXL skills	
Lesson 1: Hands On: Model Division	I.1	Divide by counting equal groups >>
Lesson 2: Division as Equal Sharing	I.1	Divide by counting equal groups >>
	I.2	Write division sentences for groups >>
	I.4	Write division sentences for arrays >>
Lesson 3: Relate Division and Subtraction		
Lesson 4: Hands On: Relate Division and Multiplication	I.3	Relate multiplication and division for groups >>
	I.5	Relate multiplication and division for arrays >>
Lesson 5: Inverse Operations	H.7	Multiplication word problems: find the missing factor >>
	N.10	Relate multiplication and division >>
Lesson 6: Problem-Solving Investigation: Use Models	L.5	Division word problems >>

Chapter 6

Multiplication and Division Patterns

Textbook section	IXL skills	
Lesson 1: Patterns in the Multiplication Table		
Lesson 2: Multiply by 2	F.3	Multiply by 2 >>
Lesson 3: Divide by 2	J.2	Divide by 2 >>
Lesson 4: Multiply by 5	F.6	Multiply by 5 >>
Lesson 5: Divide by 5	J.5	Divide by 5 >>
Lesson 6: Problem-Solving Investigation: Look for a Pattern	H.4	Multiplication input/output tables >>
	H.5	Multiplication input/output tables: find the rule >>
	L.3	Division input/output tables >>
	L.4	Division input/output tables: find the rule >>
Lesson 7: Multiply by 10	F.11	Multiply by 10 >>
Lesson 8: Multiples of 10	H.1	Multiply by a multiple of ten >>
Lesson 9: Divide by 10	J.10	Divide by 10 >>

Chapter 7

Multiplication and Division

Textbook section	IXL skills	
Lesson 1: Multiply by 3	F.4	Multiply by 3 >>
Lesson 2: Divide by 3	J.3	Divide by 3 >>
Lesson 3: Hands On: Double a Known Fact		
Lesson 4: Multiply by 4	F.5 G.1	Multiply by 4 >> Multiplication tables for 2, 3, 4, 5, and 10 >>
Lesson 5: Divide by 4	J.4 K.1	Divide by 4 >> Division facts for 2, 3, 4, 5, and 10 >>
Lesson 6: Problem-Solving Investigation: Extra or Missing Information		
Lesson 7: Multiply by 0 and 1	F.1 F.2	Multiply by 0 >> Multiply by 1 >>
Lesson 8: Divide with 0 and 1	J.1	Divide by 1 >>

Chapter 8

Apply Multiplication and Division

Textbook section	IXL skills	
Lesson 1: Multiply by 6	F.7	Multiply by 6 >>
Lesson 2: Multiply by 7	F.8	Multiply by 7 >>
Lesson 3: Divide by 6 and 7	J.6	Divide by 6 >>
	J.7	Divide by 7 >>
Lesson 4: Multiply by 8	F.9	Multiply by 8 >>
Lesson 5: Multiply by 9	F.10	Multiply by 9 >>
	G.5	Multiplication tables for 6, 7, 8, and 9 >>
Lesson 6: Divide by 8 and 9	J.8	Divide by 8 >>
	J.9	Divide by 9 >>
	K.4	Division facts for 6, 7, 8, and 9 >>
Lesson 7: Problem-Solving Investigation: Make and Organized List	H.6	Multiplication word problems >>
	H.7	Multiplication word problems: find the missing factor >>
	L.5	Division word problems >>
Lesson 8: Multiply by 11 and 12	F.12	Multiply by 11 >>
	F.13	Multiply by 12 >>
	G.15	Multiplication tables up to 12 >>
Lesson 9: Divide by 11 and 12	J.11	Divide by 11 >>
	J.12	Divide by 12 >>
	K.13	Division facts up to 12 >>

Chapter 9

Properties and Equations

Textbook section	IXL skills	
Lesson 1: Hands On: Take Apart to Multiply		
Lesson 2: The Distributive Property	N.6	Distributive property: find the missing factor >>
	N.7	Multiply using the distributive property >>
Lesson 3: Hands On: Multiply Three Factors		
Lesson 4: The Associative Property	N.5	Properties of multiplication >>
	N.8	Solve using properties of multiplication >>
Lesson 5: Write Expressions		
Lesson 6: Evaluate Expressions		
Lesson 7: Write Equations	O.1	Identify equations >>
	O.5	Write variable equations to represent word problems >>
Lesson 8: Solve Two-Step Word Problems	M.12	Multi-step word problems >>
Lesson 9: Problem-Solving Investigation: Use Logical Reasoning	Q.3	Find the order >>
	Q.4	Age puzzles >>

Chapter 10

Fractions

Textbook section	IXL skills
Lesson 1: Unit Fractions	W.1 Identify equal parts >> W.7 Match unit fractions to models >> W.16 Unit fractions: modeling word problems >>
Lesson 2: Part 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.6 Match fractions to models: halves, thirds, and fourths >> W.8 Match fractions to models >>
Lesson 3: Part of a Set	W.20 Fractions of a group: word problems >>
Lesson 4: Problem-Solving Investigation: Draw a Diagram	W.16 Unit fractions: modeling word problems >> W.17 Unit fractions: word problems >> W.18 Fractions of a whole: modeling word problems >> W.19 Fractions of a whole: word problems >>
Lesson 5: Hands On: Fractions on a Number Line	W.9 Fractions of number lines: unit fractions >> W.10 Fractions of number lines >> W.11 Identify unit fractions on number lines >> W.12 Identify fractions on number lines >> W.13 Graph unit fractions on number lines >> W.14 Graph fractions on number lines >>
Lesson 6: Equivalent Fractions	X.1 Find equivalent fractions using area models >> X.2 Identify equivalent fractions on number lines >> X.3 Find equivalent fractions using number lines >> X.4 Graph equivalent fractions on number lines >>

X.5 [Select equivalent fractions >>](#)

Lesson 7: Fractions as One Whole

X.7 [Graph fractions equivalent to 1 on number lines >>](#)

Lesson 8: Compare Fractions

W.15 [Graph smaller or larger fractions on a number line >>](#)

Y.1 [Compare fractions using models >>](#)

Y.2 [Compare fractions using number lines >>](#)

Y.3 [Graph and compare fractions with like denominators on number lines >>](#)

Y.4 [Graph and compare fractions with like numerators on number lines >>](#)

Y.5 [Graph and compare fractions on number lines >>](#)

Y.6 [Compare fractions >>](#)

Chapter 11

Measurement

Textbook section	IXL skills
Lesson 1: Hands On: Estimate and Measure Capacity	BB.15 Which metric unit of volume is appropriate? >>
Lesson 2: Solve Capacity Problems	
Lesson 3: Hands On: Estimate and Measure Mass	BB.14 Which metric unit of weight is appropriate? >>
Lesson 4: Solve Mass Problems	
Lesson 5: Tell Time to the Minute	T.1 Match clocks and times >> T.2 Match analog and digital clocks >> T.3 Read clocks and write times >> T.5 Write times >>
Lesson 6: Time Intervals	T.4 A.M. or P.M. >>
Lesson 7: Problem-Solving Investigation: Work Backward	

Chapter 12

Represent and Interpret Data

Textbook section	IXL skills	
Lesson 1: Collect and Record Data	U.4	Interpret tally charts and tables >>
Lesson 2: Draw Scaled Picture Graphs	U.11	Interpret pictographs >>
	U.12	Create pictographs >>
Lesson 3: Draw Scaled Bar Graphs	U.5	Interpret bar graphs >>
	U.6	Use bar graphs to solve problems >>
	U.7	Create bar graphs >>
Lesson 4: Relate Bar Graphs to Scaled Picture Graphs		
Lesson 5: Draw and Analyze Line Plots	U.8	Interpret line plots >>
	U.9	Create line plots >>
Lesson 6: Hands On: Measure to Halves and Fourths of an Inch	BB.3	Measure using an inch ruler >>
Lesson 7: Collect and Display Measurement Data	U.10	Create line plots with fractions >>
Lesson 8: Problem-Solving Investigation: Solve a Simpler Problem		

Chapter 13

Perimeter and Area

Textbook section	IXL skills
Lesson 1: Hands On: Find Perimeter	
Lesson 2: Perimeter	FF.1 Perimeter of rectangles >> FF.2 Perimeter of rectilinear shapes >> FF.3 Perimeter of polygons >> FF.4 Perimeter: find the missing side length >>
Lesson 3: Hands On: Understand Area	FF.7 Select figures with a given area >> FF.8 Select two figures with the same area >> FF.9 Create figures with a given area >>
Lesson 4: Measure Area	FF.6 Find the area of figures made of unit squares >> FF.12 Find the area of rectangles with missing unit squares >>
Lesson 5: Hands On: Tile Rectangles to Find Area	
Lesson 6: Area of Rectangles	FF.10 Find the area of rectangles and squares >> FF.11 Find the missing side length of a rectangle >> FF.13 Find the area of rectangles: word problems >>
Lesson 7: Hands On: Area and the Distributive Property	
Lesson 8: Area of Composite Figures	FF.14 Find the area of complex figures >>
Lesson 9: Area and Perimeter	FF.16 Compare area and perimeter of two figures >> FF.18 Relationship between area and perimeter I >>
Lesson 10: Problem-Solving Investigation: Draw a Diagram	FF.5 Perimeter: word problems >> FF.13 Find the area of rectangles: word problems >>

FF.17 Use area and perimeter to determine cost >>

Chapter 14

Geometry

Textbook section	IXL skills
Lesson 1: Hands On: Angles	CC.5 Lines, line segments, and rays >> CC.6 Angles greater than, less than, or equal to a right angle >>
Lesson 2: Polygons	CC.2 Count and compare sides and vertices >> CC.4 Is it a polygon? >>
Lesson 3: Hands On: Triangles	
Lesson 4: Quadrilaterals	DD.3 Parallel sides in quadrilaterals >> DD.4 Identify parallelograms >> DD.5 Identify trapezoids >> DD.6 Identify rectangles >> DD.7 Identify rhombuses >>
Lesson 5: Shared Attributes of Quadrilaterals	DD.8 Classify quadrilaterals >>
Lesson 6: Problem-Solving Investigation: Guess, Check, and Revise	
Lesson 7: Partition Shapes	W.1 Identify equal parts >> W.7 Match unit fractions to models >>