



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

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 Multiply by 4 >> G.1 Multiplication tables for 2, 3, 4, 5, and 10 >>
Lesson 5: Divide by 4	J.4 Divide by 4 >> K.1 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 Multiply by 0 >> F.2 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 >>