



IXL Skill Alignment

4th alignment for My Math

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Chapter 1

Place Value

Textbook section	IXL skills
Lesson 1: Place Value	A.1 Value of a digit >> A.3 Place value names >> A.4 Convert between place values >>
Lesson 2: Read and Write Multi-Digit 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.9 Choose word names for numbers up to one million >> A.10 Write word names for numbers up to one million >>
Lesson 3: Compare Numbers	A.21 Compare numbers up to one billion >>
Lesson 4: Order Numbers	
Lesson 5: Use Place Value to Round	A.16 Rounding >>
Lesson 6: Problem-Solving Investigation	K.1 Place value word problems >>

Chapter 2

Add and Subtract Whole Numbers

Textbook section	IXL skills
Lesson 1: Addition Properties and Subtraction Rules	B.6 Properties of addition >>
Lesson 2: Addition and Subtraction Patterns	B.8 Addition patterns over increasing place values >> C.6 Subtraction patterns over increasing place values >>
Lesson 3: Add and Subtract Mentally	
Lesson 4: Estimate Sums and Differences	B.10 Estimate sums >> B.11 Estimate sums: word problems >> C.8 Estimate differences >> C.9 Estimate differences: word problems >>
Lesson 5: Add Whole Numbers	B.2 Add numbers up to millions >> B.5 Addition: fill in the missing digits >> B.7 Add 3 or more numbers up to millions >> B.9 Choose numbers with a particular sum >>
Lesson 6: Subtract Whole Numbers	
Lesson 7: Subtract Across Zero	C.2 Subtract numbers up to millions >> C.5 Subtraction: fill in the missing digits >> C.7 Choose numbers with a particular difference >>
Lesson 8: Problem-Solving Investigation Strategy: Draw a Diagram	B.4 Add numbers up to millions: word problems >> C.4 Subtract numbers up to millions: word problems >>
Lesson 9: Solve Multi-Step Word Problems	K.2 Find two numbers based on sum and difference >>

Chapter 3

Understand Multiplication and Division

Textbook section	IXL skills
Lesson 1: Relate Multiplication and Division	D.1 Multiplication facts to 12 >> D.2 Multiplication facts up to 12: find the missing factor >> D.5 Identify factors >> E.2 Division facts to 12: word problems >>
Lesson 2: Relate Division and Subtraction	
Lesson 3: Multiplication as Comparison	D.3 Compare numbers using multiplication >>
Lesson 4: Compare to Solve Problems	E.22 Divide by 2-digit numbers: word problems >> E.25 Inequalities with division >>
Lesson 5: Multiplication Properties and Division Rules	E.3 Properties of division >>
Lesson 6: The Associative Property of Multiplication	D.28 Multiply three or more numbers: word problems >>
Lesson 7: Factors and Multiples	D.4 Choose the multiples of a given number up to 12 >> D.5 Identify factors >>
Lesson 8: Problem-Solving Investigation Strategy: Reasonable Answers	

Chapter 4

Multiply with One-Digit Numbers

Textbook section	IXL skills
Lesson 1: Multiples of 10, 100, and 1,000	D.25 Multiply numbers ending in zeroes >> D.26 Multiply numbers ending in zeroes: word problems >>
Lesson 2: Round to Estimate Products	D.13 Estimate products - multiply by 1-digit numbers >>
Lesson 3: Hands On: Use Place Value to Multiply	
Lesson 4: Hands On: Use Models to Multiply	
Lesson 5: Multiply by a Two-Digit Number	
Lesson 6: Hands On: Model Regrouping	
Lesson 7: The Distributive Property	D.10 Properties of multiplication >> D.11 Distributive property: find the missing factor >> D.12 Multiply using the distributive property >>
Lesson 8: Multiply with Regrouping	D.6 Multiply 1-digit numbers by 2-digit numbers >>
Lesson 9: Multiply by a Multi-Digit Number	D.7 Multiply 1-digit numbers by 3-digit or 4-digit numbers >> D.9 Multiplication patterns over increasing place values >>
Lesson 10: Problem Solving: Estimate or Exact Answer	
Lesson 11: Multiply Across Zeroes	

Chapter 5

Multiply with Two-Digit Numbers

Textbook section	IXL skills
Lesson 1: Multiply by Tens	D.25 Multiply numbers ending in zeroes >>
Lesson 2: Estimate Products	
Lesson 3: Hands On: Use the Distributive Property to Multiply	D.11 Distributive property: find the missing factor >> D.12 Multiply using the distributive property >>
Lesson 4: Multiply by a Two-Digit Number	D.18 Multiply a 2-digit number by a 2-digit number: complete the missing steps >> 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 >>
Lesson 5: Solve Multi-Step Word Problems	F.5 Solve word problems using guess-and-check >>
Lesson 6: Problem Solving: Make a Table	D.30 Multiplication input/output tables >> D.31 Multiplication input/output tables: find the rule >>

Chapter 6

Divide by a One-Digit Number

Textbook section	IXL skills
Lesson 1: Divide Multiples of 10, 100, and 1,000	E.13 Division patterns over increasing place values >>
Lesson 2: Estimate Quotients	E.15 Divide by 1-digit numbers: estimate quotients >> E.17 Divisibility rules: word problems >>
Lesson 3: Hands On: Use Place Value to Divide	
Lesson 4: Problem Solving: Make a Model	
Lesson 5: Divide with Remainders	E.4 Divide 2-digit numbers by 1-digit numbers >> E.6 Divide 2-digit numbers by 1-digit numbers: complete the table >>
Lesson 6: Interpret Remainders	E.5 Divide 2-digit numbers by 1-digit numbers: word problems >> E.7 Divide 2-digit numbers by 1-digit numbers: interpret remainders >>
Lesson 7: Place the First Digit	E.4 Divide 2-digit numbers by 1-digit numbers >>
Lesson 8: Hands On: Distributive Property and Partial Quotients	
Lesson 9: Divide Greater Numbers	
Lesson 10: Quotients with Zeros	E.8 Divide larger numbers by 1-digit numbers >> E.9 Divide larger numbers by 1-digit numbers: word problems >> E.10 Divide larger numbers by 1-digit numbers: complete the table >> E.11 Divide larger numbers by 1-digit numbers: interpret remainders >>

Lesson 11: Solve Multi-Step Word Problems

- F.3** Estimate sums, differences, products, and quotients: word problems >>
 - F.6** Multi-step word problems >>
 - F.7** Choose numbers with a particular sum, difference, product, or quotient >>
 - G.4** Write variable equations to represent word problems >>
 - G.5** Solve variable equations >>
 - K.3** Find two numbers based on sum, difference, product, and quotient >>
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Chapter 7

Patterns and Sequences

Textbook section	IXL skills
Lesson 1: Nonnumeric 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 >>
Lesson 2: Numeric Patterns	L.5 Complete an increasing number pattern >>
	L.6 Complete a geometric number pattern >>
	L.9 Number patterns: mixed review >>
Lesson 3: Sequences	L.7 Use a rule to complete a number pattern >>
Lesson 4: Problem Solving: Look for a Pattern	D.30 Multiplication input/output tables >>
	L.8 Number patterns: word problems >>
Lesson 5: Addition and Subtraction Rules	
Lesson 6: Multiplication and Division Rules	D.30 Multiplication input/output tables >>
	D.31 Multiplication input/output tables: find the rule >>
	H.1 Input/output tables with addition, subtraction, multiplication, and division >>
	H.2 Complete a table for a two-variable relationship >>
	H.3 Write a two-variable equation >>
Lesson 7: Order of Operations	F.10 Perform multiple operations with whole numbers >>
Lesson 8: Hands On: Equations with Two Operations	G.1 Write variable expressions >>
	G.3 Evaluate variable expressions >>
Lesson 9: Equations with Multiple Operations	

Chapter 8

Fractions

Textbook section	IXL skills
Lesson 1: Factors and Multiples	<p>D.4 Choose the multiples of a given number up to 12 >></p> <p>D.5 Identify factors >></p> <p>D.21 Choose numbers with a particular product >></p>
Lesson 2: Prime and Composite Numbers	<p>A.14 Prime and composite - up to 20 >></p> <p>A.15 Prime and composite - up to 100 >></p>
Lesson 3: Hands On: Model Equivalent Fractions	<p>P.5 Find equivalent fractions using area models >></p> <p>P.6 Graph equivalent fractions on number lines >></p>
Lesson 4: Equivalent Fractions	<p>P.5 Find equivalent fractions using area models >></p> <p>P.6 Graph equivalent fractions on number lines >></p>
Lesson 5: Simplest Form	P.10 Write fractions in lowest terms >>
Lesson 6: Compare and Order Fractions	<p>P.14 Compare fractions using models >></p> <p>P.17 Compare fractions >></p> <p>P.21 Order fractions >></p>
Lesson 7: Use Benchmark Fractions to Compare and Order	<p>P.15 Benchmark fractions >></p> <p>P.16 Compare fractions using benchmarks >></p>
Lesson 8: Problem Solving: Use Logical Reasoning	<p>P.18 Compare fractions in recipes >></p> <p>P.22 Find smaller or larger fractions >></p>
Lesson 9: Mixed Numbers	P.4 Mixed number review >>
Lesson 10: Mixed Numbers and Improper Fractions	

Chapter 9

Operations with Fractions

Textbook section	IXL skills
Lesson 1: Hands On: Use Models to Add Like Fractions	Q.1 Decompose fractions into unit fractions >> Q.2 Decompose fractions >> Q.3 Decompose fractions multiple ways >> Q.4 Add fractions with like denominators using number lines >>
Lesson 2: Add Like Fractions	Q.5 Add fractions with like denominators >>
Lesson 3: Hands On: Use Models to Subtract Like Fractions	Q.6 Subtract fractions with like denominators using number lines >>
Lesson 4: Subtract Like Fractions	Q.7 Subtract fractions with like denominators >> Q.8 Add and subtract fractions with like denominators using number lines >> Q.9 Add and subtract fractions with like denominators >>
Lesson 5: Problem Solving: Work Backward	Q.12 Add and subtract fractions with like denominators in recipes >>
Lesson 6: Add Mixed Numbers	
Lesson 7: Subtract Mixed Numbers	
Lesson 8: Hands On: Model Fractions and Multiplication	S.1 Multiply unit fractions by whole numbers using number lines >> S.2 Multiply unit fractions by whole numbers using models >> S.7 Multiply fractions by whole numbers using number lines >> S.8 Multiply fractions by whole numbers using models >>
Lesson 9: Multiply Fractions by Whole Numbers	S.4 Multiply unit fractions and whole numbers: sorting >> S.6 Multiply unit fractions by whole numbers: word problems >>

S.9 Multiply fractions and whole numbers:
sorting >>

S.12 Multiply fractions by whole numbers: word
problems >>

Chapter 10

Fractions and Decimals

Textbook section	IXL skills
Lesson 1: Hands On: Place Value Through Tenths and Hundredths	T.1 What decimal number is illustrated? >>
Lesson 2: Tenths	
Lesson 3: Hundredths	
Lesson 4: Hands On: Model Decimals and Fractions	T.2 Model decimals and fractions >>
Lesson 5: Decimals and Fractions	T.9 Convert fractions and mixed numbers to decimals - denominators of 10 and 100 >>
Lesson 6: Use Place Value and Models to Add	R.5 Add fractions with denominators of 10 and 100 >>
Lesson 7: Compare and Order Decimals	M.2 Compare money amounts >> T.14 Compare decimals on number lines >> T.15 Compare decimal numbers >> T.16 Put decimal numbers in order I >> T.17 Put decimal numbers in order II >>
Lesson 8: Problem Solving: Extra or Missing Information	T.7 Decimal number lines >>

Chapter 11

Customary Measurement

Textbook section	IXL skills
Lesson 1: Customary Units of Length	N.1 Measure using an inch ruler >>
Lesson 2: Convert Customary Units of Length	
Lesson 3: Customary Units of Capacity	
Lesson 4: Convert Customary Units of Capacity	
Lesson 5: Customary Units of Weight	N.2 Which customary unit is appropriate? >>
Lesson 6: Convert Customary Units of Weight	
Lesson 7: Convert Units of Time	
Lesson 8: Display Measurement Data in a Line Plot	J.8 Create and interpret line plots with fractions >>
Lesson 9: Solve Measurement Problems	
Lesson 10: Problem Solving: Guess, Check, and Revise	K.4 Find the order >>

Chapter 12

Metric Measurement

Textbook section	IXL skills
Lesson 1: Metric Units of Length	
Lesson 2: Metric Units of Capacity	
Lesson 3: Metric Units of Mass	N.11 Which metric unit is appropriate? >>
Lesson 4: Problem Solving: Make an Organized List	M.1 Count coins and bills - up to \$5 bill >>
	M.2 Compare money amounts >>
Lesson 5: Convert Metric Units	N.17 Convert metric mixed units >>
Lesson 6: Solve Measurement Problems	

Chapter 13

Perimeter and Area

Textbook section	IXL skills
Lesson 1: Measure Perimeter	BB.1 Perimeter >>
Lesson 2: Problem Solving: Solve a Simpler Problem	BB.2 Perimeter: find the missing side lengths >>
Lesson 3: Hands On: Model Area	BB.3 Select figures with a given area >>
	BB.4 Select two figures with the same area >>
	BB.5 Create figures with a given area >>
Lesson 4: Measure Area	BB.6 Find the area or missing side length of a rectangle >>
	BB.7 Area of complex figures (with all right angles) >>
Lesson 5: Relate Area and Perimeter	BB.10 Relationship between area and perimeter >>
	BB.11 Area and perimeter: word problems >>

Chapter 14

Geometry

Textbook section	IXL skills
Lesson 1: Draw Points, Lines, and Rays	W.4 Lines, line segments, and rays >>
Lesson 2: Draw Parallel and Perpendicular Lines	W.5 Parallel, perpendicular, and intersecting lines >>
Lesson 3: Hands On: Model Angles	
Lesson 4: Classify Angles	Z.1 Acute, right, obtuse, and straight angles >>
	Z.2 Angles of 90, 180, 270, and 360 degrees >>
Lesson 5: Measure Angles	Z.3 Measure angles with a protractor >>
	Z.4 Estimate angle measurements >>
Lesson 6: Draw Angles	
Lesson 7: Solve Problems with Angles	Z.5 Adjacent angles >>
Lesson 8: Triangles	X.1 Acute, obtuse, and right triangles >>
Lesson 9: Quadrilaterals	X.5 Identify parallelograms >>
	X.6 Identify trapezoids >>
	X.7 Identify rectangles >>
	X.8 Identify rhombuses >>
	X.9 Classify quadrilaterals >>
Lesson 10: Draw Lines of Symmetry	Y.1 Identify lines of symmetry >>
	Y.2 Draw lines of symmetry >>
	Y.3 Count lines of symmetry >>