



IXL Skill Alignment

5th alignment for My Math

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Chapter 1

Place Value

Textbook section	IXL skills
Lesson 1: Place Value Through Millions	A.1 Convert between standard and expanded form >> A.2 Place value >> A.4 Choose word names for numbers >> A.5 Write word names for numbers >>
Lesson 2: Compare and Order Whole Number Through Millions	
Lesson 3: Hands On: Model Fractions and Decimals	G.1 What decimal number is illustrated? >>
Lesson 4: Represent Decimals	
Lesson 5: Hands On: Understanding Place Value	
Lesson 6: Place Value Through Thousandths	G.3 Understanding decimals expressed in words >> G.4 Place values in decimal numbers >>
Lesson 7: Compare Decimals	G.9 Compare decimals on number lines >> G.10 Compare decimal numbers >>
Lesson 8: Order Whole Numbers and Decimals	G.11 Put decimal numbers in order >>
Lesson 9: Problem Solving Investigation: Use the Four Step Plan	B.2 Add and subtract whole numbers: word problems >>

Chapter 2

Multiply Whole Numbers

Textbook section	IXL skills
Lesson 1: Prime Factorization	F.2 Prime factorization >>
Lesson 2: Hands On: Prime Factorization Patterns	
Lesson 3: Powers and Exponents	E.1 Understanding exponents >> E.2 Evaluate exponents >> F.3 Prime factorization with exponents >>
Lesson 4: Multiplication Patterns	C.3 Multiplication patterns over increasing place values >> C.4 Multiply numbers ending in zeroes >>
Lesson 5: Problem Solving Investigation: Make a Table	
Lesson 6: Hands On: Use Partial Products and the Distributive Property	
Lesson 7: The Distributive Property	
Lesson 8: Estimate Products	
Lesson 9: Multiply by One-Digit Numbers	C.1 Multiply by 1-digit numbers >> C.2 Multiply by 1-digit numbers: word problems >>
Lesson 10: Multiply by Two-Digit Numbers	C.12 Multiply by 2-digit numbers: complete the missing steps >> C.13 Multiply 2-digit numbers by 2-digit numbers >> C.14 Multiply 2-digit numbers by 3-digit numbers >>

Chapter 3

Divide by a One-Digit Divisor

Textbook section	IXL skills
Lesson 1: Relate Division to Multiplication	D.1 Division facts to 12 >>
Lesson 2: Hands On: Division Models	
Lesson 3: Two-Digit Dividends	
Lesson 4: Division Patterns	
Lesson 5: Estimate Quotients	
Lesson 6: Hands On: Division Models with Greater Numbers	
Lesson 7: Hands On: Distributive Property and Partial Quotients	
Lesson 8: Divide Three-and Four-Digit Dividends	
Lesson 9: Place the First Digit	D.3 Divide multi-digit numbers by 1-digit numbers >>
Lesson 10: Quotients with Zeros	
Lesson 11: Hands On: Models to Interpret the Remainder	
Lesson 12: Interpret the Remainder	
Lesson 13: Problem Solving Investigation: Determine Extra or Missing Information	P.2 Word problems with extra or missing information >>

Chapter 4

Divide by a Two-Digit Divisor

Textbook section	IXL skills
Lesson 1: Estimate Quotients	
Lesson 2: Hands On: Divide Using Base-Ten Blocks	
Lesson 3: Divide by a Two-Digit Divisor	D.11 Divide 2-digit and 3-digit numbers by 2-digit numbers >> D.12 Divide 2-digit and 3-digit numbers by 2-digit numbers: word problems >>
Lesson 4: Adjust Quotients	
Lesson 5: Divide Greater Numbers	D.13 Divide larger numbers by 2-digit numbers >>
Lesson 6: Problem Solving Investigation: Solve a Simpler Problem	D.14 Divide larger numbers by 2-digit numbers: word problems >>

Chapter 5

Add and Subtract Decimals

Textbook section	IXL skills
Lesson 1: Round Decimals	G.7 Round decimals >>
Lesson 2: Estimate Sums and Differences	H.8 Estimate sums and differences of decimals >>
Lesson 3: Problem Solving Investigation: Estimate or Exact Answer	
Lesson 4: Hands On: Add Decimals Using Base-Ten Blocks	
Lesson 5: Hands On: Add Decimals Using Models	
Lesson 6: Add Decimals	H.1 Add decimal numbers >>
Lesson 7: Addition Properties	B.6 Properties of addition >>
Lesson 8: Hands On: Subtract Decimals Using Base-Ten Blocks	
Lesson 9: Hands On: Subtract Decimals Using Models	
Lesson 10: Subtract Decimals	S.1 Add and subtract money amounts >>

Chapter 6

Multiply and Divide Decimals

Textbook section	IXL skills	
Lesson 1: Estimate Products of Whole Numbers and Decimals		
Lesson 2: Hands On: Use Models to Multiply		
Lesson 3: Multiply Decimals by Whole Numbers	I.3	Multiply a decimal by a one-digit whole number >>
Lesson 4: Hands On: Use Models to Multiply Decimals	I.7	Multiply two decimals using grids >>
Lesson 5: Multiply Decimals	I.8	Multiply two decimals >>
Lesson 6: Multiply Decimals by Powers of Ten	I.2	Multiply a decimal by a power of ten >>
Lesson 7: Problem Solving Investigation: Look for a Pattern	I.5	Multiply decimals and whole numbers: word problems >>
Lesson 8: Multiplication Properties	C.6	Properties of multiplication >>
Lesson 9: Estimate Quotients		
Lesson 10: Hands On: Divide Decimals		
Lesson 11: Divide Decimals by Whole Numbers		
Lesson 12: Hands On: Use Models to Divide Decimals		
Lesson 13: Divide Decimals		
Lesson 14: Divide Decimals by Powers of Ten	J.1	Divide by powers of ten >>
	J.2	Decimal division patterns over increasing place values >>

Chapter 7

Expressions and Patterns

Textbook section	IXL skills
Lesson 1: Hands On: Numerical Expressions	
Lesson 2: Order of Operations	O.4 Evaluate numerical expressions >>
Lesson 3: Write Numerical Expressions	O.3 Write numerical expressions >>
Lesson 4: Problem Solving Investigation: Work Backward	P.1 Multi-step word problems >>
Lesson 5: Hands On: Generate Patterns	
Lesson 6: Patterns	T.1 Complete an increasing number sequence >>
	T.2 Complete a geometric number sequence >>
Lesson 7: Hands On: Map Locations	
Lesson 8: Ordered Pairs	U.1 Objects on a coordinate plane >>
	U.2 Graph points on a coordinate plane >>
	U.3 Coordinate planes as maps >>
	U.4 Follow directions on a coordinate plane >>
Lesson 9: Graph Patterns	V.8 Complete a table for a two-variable relationship >>
	V.10 Graph a two-variable relationship >>

Chapter 8

Fractions and Decimals

Textbook section	IXL skills
Lesson 1: Fractions and Division	K.3 Fractions of a group: word problems >>
Lesson 2: Greatest Common Factor	F.6 Greatest common factor >>
Lesson 3: Simplest Form	K.4 Equivalent fractions >>
	K.5 Write fractions in lowest terms >>
Lesson 4: Problem Solving Investigation: Guess, Check, and Revise	P.3 Guess-and-check problems >>
Lesson 5: Least Common Multiple	F.7 Least common multiple >>
Lesson 6: Compare Fractions	K.7 Least common denominator >>
	K.11 Put fractions in order >>
Lesson 7: Hands On: Use Models to Write Fractions as Decimals	
Lesson 8: Write Fractions as Decimals	G.12 Convert fractions to decimals >>

Chapter 9

Add and Subtract Fractions

Textbook section	IXL skills
Lesson 1: Rounding Fractions	
Lesson 2: Add Like Fractions	
Lesson 3: Subtract Like Fractions	L.3 Add and subtract fractions with like denominators >> L.4 Add and subtract fractions with like denominators: word problems >>
Lesson 4: Hands On: Use Models to Add Unlike Fractions	L.6 Add fractions with unlike denominators using models >>
Lesson 5: Add Unlike Fractions	L.8 Add fractions with unlike denominators >>
Lesson 6: Hands On: Use Models to Subtract Unlike Fractions	L.9 Subtract fractions with unlike denominators using models >>
Lesson 7: Subtract Unlike Fractions	L.10 Subtract fractions with unlike denominators >> L.11 Add and subtract fractions with unlike denominators: word problems >> L.15 Complete addition and subtraction sentences with fractions >>
Lesson 8: Problem Solving Investigation: Determine Reasonable Answers	
Lesson 9: Estimate Sums and Differences	L.17 Estimate sums and differences of mixed numbers >>
Lesson 10: Hands On: Use Models to Add Mixed Numbers	
Lesson 11: Add Mixed Numbers	L.18 Add mixed numbers with unlike denominators >>
Lesson 12: Subtract Mixed Numbers	

Lesson 13: Subtract with Renaming

- L.19** Subtract mixed numbers with unlike denominators >>
 - L.20** Add and subtract mixed numbers: word problems >>
 - L.22** Complete addition and subtraction sentences with mixed numbers >>
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Chapter 10

Multiply and Divide Fractions

Textbook section	IXL skills
Lesson 1: Hands On: Part of a Number	
Lesson 2: Estimate Products of Fractions	
Lesson 3: Hands On: Model Fraction Multiplication	M.2 Multiply unit fractions by whole numbers using models >>
Lesson 4: Multiply Whole Numbers and Fractions	M.8 Multiply fractions by whole numbers I >>
	M.9 Multiply fractions by whole numbers II >>
	M.10 Multiply fractions by whole numbers: word problems >>
Lesson 5: Hands On: Use Models to Multiply Fractions	M.12 Multiply two unit fractions using models >>
	M.13 Multiply two fractions using models: fill in the missing factor >>
	M.14 Multiply two fractions using models >>
Lesson 6: Multiply Fractions	M.15 Multiply two fractions >>
	M.16 Multiply two fractions: word problems >>
Lesson 7: Multiply Mixed Numbers	M.24 Multiply a mixed number by a fraction >>
	M.25 Multiply two mixed numbers >>
	M.27 Multiplication with mixed numbers: word problems >>
	M.28 Multiply fractions and mixed numbers in recipes >>
	M.29 Complete the mixed-number multiplication sentence >>
Lesson 8: Hands On: Multiplication as Scaling	M.17 Scaling whole numbers by fractions >>
	M.18 Scaling fractions by fractions >>
	M.19 Scaling mixed numbers by fractions >>
Lesson 9: Hands On: Division and Unit Fractions	N.2 Divide whole numbers by unit fractions using models >>

Lesson 10: Divide Whole Numbers by Unit Fractions

N.3

Divide whole numbers by unit fractions >>

Lesson 11: Divide Unit Fractions by Whole Numbers

N.1

Divide unit fractions by whole numbers >>

Lesson 12: Problem Solving Investigation: Draw a Diagram

N.7

Divide unit fractions by whole numbers: word problems >>

Chapter 11

Measurement

Textbook section	IXL skills	
Lesson 1: Hands On: Measure with a Ruler		
Lesson 2: Convert Customary Units of Length	Z.2	Compare and convert customary units of length >>
Lesson 3: Problem Solving Investigation: Use Logical Reasoning	P.4	Find the order >>
Lesson 4: Hands On: Estimate and Measure Weight		
Lesson 5: Convert Customary Units of Weight	Z.3	Compare and convert customary units of weight >>
Lesson 6: Hands On: Estimate and Measure Capacity		
Lesson 7: Convert Customary Units of Capacity	Z.4	Compare and convert customary units of volume >>
Lesson 8: Display Measurement Data on a Line Plot	W.12	Create and interpret line plots with fractions >>
Lesson 9: Hands On: Metric Rulers		
Lesson 10: Convert Metric Units of Length	Z.8	Compare and convert metric units of length >>
Lesson 11: Hands On: Estimate and Measure Metric Mass		
Lesson 12: Convert Metric Units of Mass	Z.9	Compare and convert metric units of weight >>
Lesson 13: Convert Metric Units of Capacity	Z.10	Compare and convert metric units of volume >>

Chapter 12

Geometry

Textbook section	IXL skills
Lesson 1: Polygons	AA.1 Is it a polygon? >> AA.2 Number of sides in polygons >> AA.3 Regular and irregular polygons >>
Lesson 2: Hands On: Sides and Angles of Triangles	
Lesson 3: Classify Triangles	BB.1 Acute, obtuse, and right triangles >> BB.2 Scalene, isosceles, and equilateral triangles >> BB.3 Classify triangles >>
Lesson 4: Hands On: Side and Angles of Quadrilaterals	
Lesson 5: Classify Quadrilaterals	BB.5 Identify parallelograms >> BB.6 Identify trapezoids >> BB.7 Identify rectangles >> BB.8 Identify rhombuses >> BB.9 Classify quadrilaterals >>
Lesson 6: Hands On: Build Three-Dimensional Figures	DD.3 Nets of three-dimensional figures >>
Lesson 7: Three-Dimensional Figures	DD.2 Count vertices, edges, and faces >>
Lesson 8: Hands On: Use Models to Find Volume	EE.11 Volume of rectangular prisms made of unit cubes >>
Lesson 9: Volume of Prisms	EE.13 Volume of cubes and rectangular prisms >>
Lesson 10: Hands On: Build Composite Figures	
Lesson 11: Volume of Composite Figures	EE.12 Volume of irregular figures made of unit cubes >>

Lesson 12: Problems Solving Investigation: Make a Model
