



IXL Skill Alignment

3rd grade alignment for My Math



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Chapter 1

Place Value

Textbook section	IXL skills
Lesson 1: Place Value Through Thousands	<p>Place value models</p> <ol style="list-style-type: none"> Place value models up to thousands DDS <p>Value of a digit</p> <ol style="list-style-type: none"> Value of a digit DHS <p>Place value names</p> <ol style="list-style-type: none"> Place value names up to thousands GEV <p>Expanded form</p> <ol style="list-style-type: none"> Convert to/from a number KSN Convert from expanded form 8MP Convert between standard and expanded form 2GS <p>Place value puzzles</p> <ol style="list-style-type: none"> Place value word problems 5TF
Lesson 2: Compare Numbers	<ol style="list-style-type: none"> Compare numbers 56H Which number is greatest/least? UG2
Lesson 3: Order Numbers	<ol style="list-style-type: none"> Order numbers X92
Lesson 4: Round to the Nearest Ten	<ol style="list-style-type: none"> Round to the nearest ten JDN Round to the nearest ten using a number line 8X3
Lesson 5: Round to the Nearest Hundred	<ol style="list-style-type: none"> Rounding - nearest ten or hundred only Q65 Round using a number line - nearest ten or hundred 6ST
Lesson 6: Problem-Solving Investigation: Use the Four-Step Plan	<ol style="list-style-type: none"> Comparison word problems with addition and subtraction 5L2

Chapter 2

Addition

Textbook section	IXL skills
Lesson 1: Addition Properties	<ol style="list-style-type: none"> 1. Properties of addition NY2 2. Complete the equation using properties of addition CGS 3. Add using properties KYA
Lesson 2: Patterns in the Addition Table	<ol style="list-style-type: none"> 1. Even or odd: arithmetic rules L63
Lesson 3: Addition Patterns	<ol style="list-style-type: none"> 1. Addition patterns over increasing place values 5RG 2. Add multiples of 10 or 100 6TG
Lesson 4: Add Mentally	
Lesson 5: Estimate Sums	<ol style="list-style-type: none"> 1. Estimate sums up to 1,000 3Y9 2. Estimate sums MBN
Lesson 6: Hands On: Use Models to Add	<ol style="list-style-type: none"> 1. Use models to add three-digit numbers: without regrouping ZBB 2. Use models to add three-digit numbers: with regrouping NWW
Lesson 7: Add Three-Digit Numbers	<ol style="list-style-type: none"> 1. Add two numbers up to three digits E83 2. Addition input/output tables: up to three digits MUE 3. Add two numbers up to three digits: word problems QU2
Lesson 8: Add Four-Digit Numbers	<ol style="list-style-type: none"> 1. Add two numbers up to four digits P2Q 2. Add two numbers up to four digits: word problems CNN
Lesson 9: Problem-Solving Investigation: Reasonable Answers	<ol style="list-style-type: none"> 1. Estimate sums: word problems WB2

Chapter 3

Subtraction

Textbook section	IXL skills
Lesson 1: Subtract Mentally	
Lesson 2: Estimate Differences	<ol style="list-style-type: none">1. Estimate differences up to 1,000 A472. Estimate differences QDF
Lesson 3: Problem-Solving Investigation: Estimate or Exact Answer	<ol style="list-style-type: none">1. Estimate differences: word problems M42
Lesson 4: Hands On: Subtract with Regrouping	
Lesson 5: Subtract Three-Digit Numbers	<ol style="list-style-type: none">1. Subtract numbers up to three digits EHT2. Subtraction input/output tables: up to three digits J9S3. Subtract numbers up to three digits: word problems K88
Lesson 6: Subtract Four-Digit Numbers	<ol style="list-style-type: none">1. Subtract numbers with four or more digits Y57
Lesson 7: Subtract Across Zeros	

Chapter 4

Understand Multiplication

Textbook section	IXL skills
Lesson 1: Hands On: Model Multiplication	<ol style="list-style-type: none"> 1. Count equal groups 9K7 2. Identify multiplication expressions for equal groups 9AE 3. Write multiplication sentences for equal groups V98
Lesson 2: Multiplication as Repeated Addition	<ol style="list-style-type: none"> 1. Relate addition and multiplication for equal groups GGC 2. Relate addition and multiplication P74
Lesson 3: Hands On: Multiply with Arrays	<ol style="list-style-type: none"> 1. Make arrays to model multiplication PPR
Lesson 4: Arrays and Multiplication	<ol style="list-style-type: none"> 1. Identify multiplication expressions for arrays HZL 2. Write multiplication sentences for arrays 5FZ
Lesson 5: Problem-Solving Investigation: Make a Table	<ol style="list-style-type: none"> 1. Multiplication word problems 9TA
Lesson 6: Use Multiplication to Find Combinations	<ol style="list-style-type: none"> 1. Combinations 7A4

Chapter 5

Understand Division

Textbook section	IXL skills
Lesson 1: Hands On: Model Division	1. Divide by counting equal groups UYK
Lesson 2: Division as Equal Sharing	1. Write division sentences for groups FSX 2. Write division sentences for arrays 8RW
Lesson 3: Relate Division and Subtraction	
Lesson 4: Hands On: Relate Division and Multiplication	1. Relate multiplication and division for groups FTU 2. Relate multiplication and division for arrays XSK
Lesson 5: Inverse Operations	<p>Relate multiplication and division</p> <p>1. Relate multiplication and division 67L</p> <p>Find the missing numbers</p> <p>2. Multiplication facts up to 12: find the missing factor WB8</p> <p>3. Division facts up to 12: find the missing number MFD</p>
Lesson 6: Problem-Solving Investigation: Use Models	1. Division word problems ECS

Chapter 6

Multiplication and Division Patterns

Textbook section	IXL skills
Lesson 1: Patterns in the Multiplication Table	
Lesson 2: Multiply by 2	1. Multiply by 2 94M
Lesson 3: Divide by 2	1. Divide by 2 ANU
Lesson 4: Multiply by 5	1. Multiply by 5 Y9E
Lesson 5: Divide by 5	1. Divide by 5 C9M
Lesson 6: Problem-Solving Investigation: Look for a Pattern	<p>Multiplication</p> <ol style="list-style-type: none"> Multiplication input/output tables 8CM Multiplication input/output tables: find the rule D5U <p>Division</p> <ol style="list-style-type: none"> Division input/output tables RK9 Division input/output tables: find the rule 4Z8 <p>Growing patterns</p> <ol style="list-style-type: none"> Find the next row in a growing pattern 8SQ
Lesson 7: Multiply by 10	1. Multiply by 10 6YD
Lesson 8: Multiples of 10	1. Multiply by a multiple of ten MS6
Lesson 9: Divide by 10	1. Divide by 10 YRG

Chapter 7

Multiplication and Division

Textbook section	IXL skills
Lesson 1: Multiply by 3	1. Multiply by 3 38K
Lesson 2: Divide by 3	1. Divide by 3 PCL
Lesson 3: Hands On: Double a Known Fact	
Lesson 4: Multiply by 4	<p>Multiply by 4</p> <p>1. Multiply by 4 5U6</p> <p>Multiply by 2, 3, 4, 5, and 10</p> <p>2. Multiplication tables for 2, 3, 4, 5, and 10 DW5</p> <p>3. Multiplication facts for 2, 3, 4, 5, and 10: true or false? 87M</p> <p>4. Multiplication facts for 2, 3, 4, 5, and 10: find the missing factor ZEY</p>
Lesson 5: Divide by 4	<p>Divide by 4</p> <p>1. Divide by 4 QGT</p> <p>Divide by 2, 3, 4, 5, and 10</p> <p>2. Division facts for 2, 3, 4, 5, and 10 2JB</p> <p>3. Division facts for 2, 3, 4, 5, and 10: true or false? YSD</p>
Lesson 6: Problem-Solving Investigation: Extra or Missing Information	
Lesson 7: Multiply by 0 and 1	<p>1. Multiply by 0 BGK</p> <p>2. Multiply by 1 CRE</p>
Lesson 8: Divide with 0 and 1	1. Divide by 1 VTL

Chapter 8

Apply Multiplication and Division

Textbook section	IXL skills
Lesson 1: Multiply by 6	1. Multiply by 6 SX6
Lesson 2: Multiply by 7	1. Multiply by 7 9PT
Lesson 3: Divide by 6 and 7	1. Divide by 6 97S 2. Divide by 7 D2F
Lesson 4: Multiply by 8	1. Multiply by 8 SMR
Lesson 5: Multiply by 9	<p>Multiply by 9</p> <p>1. Multiply by 9 SUH</p> <p>Multiply by 6, 7, 8, and 9</p> <p>2. Multiplication tables for 6, 7, 8, and 9 XT7</p> <p>3. Multiplication facts for 6, 7, 8, and 9: true or false? EY</p> <p>4. Multiplication facts for 6, 7, 8, and 9: find the missing factor X7N</p>
Lesson 6: Divide by 8 and 9	<p>Divide by 8 and 9</p> <p>1. Divide by 8 CVD</p> <p>2. Divide by 9 RTB</p> <p>Divide by 6, 7, 8, and 9</p> <p>3. Division facts for 6, 7, 8, and 9 U2C</p> <p>4. Division facts for 6, 7, 8, and 9: true or false? DBB</p>
Lesson 7: Problem-Solving Investigation: Make and Organized List	1. Multiplication word problems: find the missing factor F6C
Lesson 8: Multiply by 11 and 12	<p>Multiply by 11</p> <p>1. Multiply by 11 AZJ</p> <p>Multiply by 12</p> <p>2. Multiply by 12 8NV</p>

Multiply by facts up to 12

3. Multiplication tables up to 12 TK7

4. Multiplication facts up to 12: true or false? YSY

Lesson 9: Divide by 11 and 12

Divide by 11

1. Divide by 11 WU9

Divide by 12

2. Divide by 12 QSY

Division facts up to 12

3. Division facts up to 12 TA7

4. Division facts up to 12: true or false? ZBR

Chapter 9

Properties and Equations

Textbook section	IXL skills
Lesson 1: Hands On: Take Apart to Multiply	1. Make arrays to model multiplication PPR
Lesson 2: The Distributive Property	1. Distributive property: find the missing factor 7VP 2. Multiply using the distributive property 6W7
Lesson 3: Hands On: Multiply Three Factors	1. Multiply three or more numbers 5EC 2. Multiply three or more numbers: word problems X9H
Lesson 4: The Associative Property	1. Properties of multiplication MPE 2. Solve using properties of multiplication YPF
Lesson 5: Write Expressions	
Lesson 6: Evaluate Expressions	
Lesson 7: Write Equations	1. Identify equations DW9 2. Write variable equations to represent word problems U6P
Lesson 8: Solve Two-Step Word Problems	1. Two-step mixed operation word problems SRL 2. Two-step addition and subtraction word problems CBA 3. Two-step multiplication and division word problems 8FP
Lesson 9: Problem-Solving Investigation: Use Logical Reasoning	1. Find the order KUF 2. Age puzzles YWU

Chapter 10

Fractions

Textbook section

Lesson 1: Unit Fractions

IXL skills

Match fractions to models

1. Match unit fractions to models CPK

Make fractions

2. Make halves, thirds, and fourths HGP
3. Make sixths and eighths KTM
4. Make halves, thirds, fourths, sixths, and eighths JHE

Lesson 2: Part of a Whole

Understand fractions

1. Understand fractions: fraction bars 6JL
2. Understand fractions: area models RTW
3. Show fractions: fraction bars ZPW
4. Show fractions: area models NLE

Match fractions to models

5. Match fractions to models: halves, thirds, and fourths Y55
6. Match fractions to models YHL

Lesson 3: Part of a Set

1. Fractions of a group 8H3

Lesson 4: Problem-Solving Investigation: Draw a Diagram

Unit fractions

1. Unit fractions: modeling word problems UV8
2. Unit fractions: word problems HM7

Fractions of a whole

3. Fractions of a whole: modeling word problems 9PU
4. Fractions of a whole: word problems BV7

Fractions of a group

5. Fractions of a group: word problems Z65

Lesson 5: Hands On: Fractions on a Number Line**Fractions of number lines**

1. Fractions of number lines: unit fractions TBX
2. Fractions of number lines J8M

Identify fractions on number lines

3. Identify unit fractions on number lines JVC
4. Identify fractions on number lines AWH

Graph fractions on number lines

5. Graph unit fractions on number lines CBW
6. Graph fractions on number lines 7QM

Lesson 6: Equivalent Fractions**Use models**

1. Find equivalent fractions using area models: two models ZJ2

Use number lines

2. Identify equivalent fractions on number lines HYM
3. Find equivalent fractions using number lines JL8
4. Graph equivalent fractions on number lines WPQ

Identify equivalent fractions

5. Identify equivalent fractions 7DA
6. Find equivalent fractions WMX

Lesson 7: Fractions as One Whole

1. Graph fractions equivalent to 1 on number lines 7BL
2. Select fractions equivalent to whole numbers using area models GKZ
3. Find fractions equivalent to whole numbers KCE

Lesson 8: Compare Fractions**Use models**

1. Compare fractions using models MJ2

Use number lines

2. Graph smaller or larger fractions on a number line 2PH
3. Compare fractions using number lines 38T
4. Graph and compare fractions with like denominators on number lines 63U
5. Graph and compare fractions with like numerators on number lines ZPD



6. Graph and compare fractions on number lines 6H5

Use words and symbols

7. Compare fractions 78D

Chapter 11

Measurement

Textbook section	IXL skills
Lesson 1: Hands On: Estimate and Measure Capacity	1. Which metric unit of volume is appropriate? LYS
Lesson 2: Solve Capacity Problems	
Lesson 3: Hands On: Estimate and Measure Mass	1. Which metric unit of weight is appropriate? PTF
Lesson 4: Solve Mass Problems	
Lesson 5: Tell Time to the Minute	1. Match clocks and times LPT 2. Match analog and digital clocks L5U 3. Read clocks and write times 5ZQ 4. Write times EQS
Lesson 6: Time Intervals	A.M. or P.M. 1. A.M. or P.M. MUC Elapsed time 2. Elapsed time: find the end time U7B
Lesson 7: Problem-Solving Investigation: Work Backward	1. Elapsed time word problems: find the end time 5VC

Chapter 12

Represent and Interpret Data

Textbook section	IXL skills
Lesson 1: Collect and Record Data	1. Interpret tally charts 8CW
Lesson 2: Draw Scaled Picture Graphs	1. Interpret pictographs Y5D 2. Create pictographs AVG
Lesson 3: Draw Scaled Bar Graphs	1. Interpret bar graphs V54 2. Use bar graphs to solve problems BCJ 3. Create bar graphs RPF
Lesson 4: Relate Bar Graphs to Scaled Picture Graphs	
Lesson 5: Draw and Analyze Line Plots	1. Interpret line plots YXD 2. Create line plots H5J
Lesson 6: Hands On: Measure to Halves and Fourths of an Inch	1. Measure using an inch ruler LC2
Lesson 7: Collect and Display Measurement Data	1. Create line plots with fractions YUR
Lesson 8: Problem-Solving Investigation: Solve a Simpler Problem	

Chapter 13

Perimeter and Area

Textbook section	IXL skills
Lesson 1: Hands On: Find Perimeter	<ol style="list-style-type: none"> 1. Perimeter: word problems CLD
Lesson 2: Perimeter	<ol style="list-style-type: none"> 1. Perimeter of rectangles ZJT 2. Perimeter of rectilinear shapes 65Z 3. Perimeter of polygons LLY 4. Perimeter: find the missing side length T2V
Lesson 3: Hands On: Understand Area	<p>Area of figures</p> <ol style="list-style-type: none"> 1. Select figures with a given area XR6 2. Select two figures with the same area 7GW 3. Create figures with a given area Z2H <p>Area of rectangles</p> <ol style="list-style-type: none"> 4. Create rectangles with a given area V73
Lesson 4: Measure Area	<ol style="list-style-type: none"> 1. Find the area of figures made of unit squares FLQ 2. Find the area of rectangles with missing unit squares KTN
Lesson 5: Hands On: Tile Rectangles to Find Area	<ol style="list-style-type: none"> 1. Tile a rectangle and find the area EKK
Lesson 6: Area of Rectangles	<ol style="list-style-type: none"> 1. Find the area of rectangles and squares 8KJ 2. Find the missing side length of a rectangle X66 3. Find the area of rectangles: word problems 5HA 4. Multiply to find the area of a rectangle made of unit squares S7G
Lesson 7: Hands On: Area and the Distributive Property	
Lesson 8: Area of Composite Figures	<ol style="list-style-type: none"> 1. Find the area of complex figures SGP 2. Find the areas of complex figures by dividing them into rectangles DVB

Lesson 9: Area and Perimeter

1. Compare area and perimeter of two figures PMF
2. Relationship between area and perimeter: find the perimeter ZWF
3. Relationship between area and perimeter: find the area KNR

Lesson 10: Problem-Solving Investigation: Draw a Diagram

1. Use area and perimeter to determine cost 8H8
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Chapter 14

Geometry

Textbook section	IXL skills
Lesson 1: Hands On: Angles	<ol style="list-style-type: none">1. Lines, line segments, and rays 24L2. Angles greater than, less than, or equal to a right angle 2YR
Lesson 2: Polygons	<ol style="list-style-type: none">1. Count and compare sides and vertices GWA2. Is it a polygon? C2P
Lesson 3: Hands On: Triangles	
Lesson 4: Quadrilaterals	<ol style="list-style-type: none">1. Parallel sides in quadrilaterals 6E92. Identify parallelograms V6L3. Identify trapezoids 67A4. Identify rectangles 47T5. Identify rhombuses ZSD
Lesson 5: Shared Attributes of Quadrilaterals	<ol style="list-style-type: none">1. Classify quadrilaterals CNJ
Lesson 6: Problem-Solving Investigation: Guess, Check, and Revise	
Lesson 7: Partition Shapes	<ol style="list-style-type: none">1. Identify equal parts FHY