



IXL Skill Alignment

4th grade alignment for GO Math! 2015 Common Core Edition



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Chapter 1

Place Value, Addition, and Subtraction to One Million

Textbook section	IXL skills
1.1: Model Place Value Relationships	<ol style="list-style-type: none"> 1. Value of a digit WLP 2. Place value review B5N
1.2: Read and Write Numbers	<ol style="list-style-type: none"> 1. Convert between standard and expanded form M5V 2. Writing numbers up to 1,000 in words: convert words to digits DYA 3. Writing numbers up to 1,000 in words: convert digits to words 59H 4. Writing numbers up to 100,000 in words: convert words to digits SQQ 5. Writing numbers up to 100,000 in words: convert digits to words 2RZ 6. Writing numbers up to one million in words: convert words to digits 5G4 7. Writing numbers up to one million in words: convert digits to words 7WT 8. Place value word problems Z47
1.3: Compare and Order Numbers	<ol style="list-style-type: none"> 1. Compare numbers up to one hundred thousand DP2 2. Compare numbers up to one million 6Y2
1.4: Round Numbers	<ol style="list-style-type: none"> 1. Rounding: up to millions place E6V
1.5: Rename Numbers	<ol style="list-style-type: none"> 1. Convert between place values KVR
1.6: Add Whole Numbers	<ol style="list-style-type: none"> 1. Add two numbers up to five digits RG2 2. Add two numbers up to five digits: word problems ZPY 3. Properties of addition D9R 4. Choose numbers with a particular sum P5U 5. Estimate sums VMD 6. Estimate sums: word problems SB9

1.7: Subtract Whole Numbers

1. Subtract numbers up to five digits VP2
 2. Subtract numbers up to five digits: word problems R9N
 3. Choose numbers with a particular difference XEV
 4. Estimate differences QJY
 5. Estimate differences: word problems GWS
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1.8: Problem Solving - Comparison Problems with Addition and Subtraction

1. Add two numbers up to five digits: word problems ZPY
 2. Subtract numbers up to five digits: word problems R9N
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Chapter 2

Multiply by 1-Digit Numbers

Textbook section	IXL skills
2.1: Multiplication Comparisons	1. Compare numbers using multiplication GGE
2.2: Comparison Problems	1. Addition, subtraction, multiplication, and division word problems QKS
2.3: Multiply Tens, Hundreds, and Thousands	1. Multiplication patterns over increasing place values Y5K 2. Multiply numbers ending in zeroes 7NS 3. Multiply numbers ending in zeroes: word problems K98
2.4: Estimate Products	1. Estimate products: multiply by 1-digit numbers WDG
2.5: Multiply Using the Distributive Property	1. Multiply using the distributive property LXG
2.6: Multiply Using Expanded Form	1. Distributive property: find the missing factor US7
2.7: Multiply Using Partial Products	1. Multiply 1-digit numbers by 2-digit numbers GDW 2. Multiply 1-digit numbers by 3-digit or 4-digit numbers PPM
2.8: Multiply Using Mental Math	
2.9: Problem Solving - Multistep Multiplication Problems	1. Multiply three or more numbers: word problems UVT
2.1: Multiply 2-Digit Numbers with Regrouping	1. Multiply 1-digit numbers by 2-digit numbers GDW 2. Multiplication input/output tables: find the rule KQG
2.11: Multiply 3-Digit and 4-Digit Numbers with Regrouping	1. Multiply 1-digit numbers by 3-digit or 4-digit numbers PPM

2.12: Solve Multistep Problems Using Equations

1. Perform multiple operations with whole numbers 9HE
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Chapter 3

Multiply 2-Digit Numbers

Textbook section	IXL skills
3.1: Multiply by Tens	
3.2: Estimate Products	1. Estimate products: multiply by 2-digit numbers <small>2TR</small>
3.3: Area Models and Partial Products	1. Box multiplication <small>ERB</small>
3.4: Multiply Using Partial Products	1. Box multiplication <small>ERB</small>
3.5: Multiply with Regrouping	1. Multiply a 2-digit number by a 2-digit number: complete the missing steps <small>XQ8</small> 2. Multiply a 2-digit number by a 2-digit number <small>MLC</small>
3.6: Choose a Multiplication Method	1. Multiply a 2-digit number by a 2-digit number <small>MLC</small>
3.7: Problem Solving - Multiply 2-Digit Numbers	1. Multiply a 2-digit number by a 2-digit number: word problems <small>GZG</small>

Chapter 4

Divide by 1-Digit Numbers

Textbook section	IXL skills
4.1: Estimate Quotients Using Multiples	<ol style="list-style-type: none"> 1. Divide by 1-digit numbers: pick the better estimate 2FS 2. Estimate quotients RCU
4.2: Remainders	
4.3: Interpret the Remainder	<ol style="list-style-type: none"> 1. Divide 2-digit numbers by 1-digit numbers: word problems QMT 2. Divide 2-digit numbers by 1-digit numbers: interpret remainders 5WV
4.4: Divide Tens, Hundreds, and Thousands	<ol style="list-style-type: none"> 1. Division patterns over increasing place values Z5Y 2. Divide numbers ending in zeroes by 1-digit numbers 2K3
4.5: Estimate Quotients Using Compatible Numbers	<ol style="list-style-type: none"> 1. Divisibility rules UTK 2. Divisibility rules: word problems ZG8
4.6: Division and the Distributive Property	
4.7: Divide Using Repeated Subtraction	<ol style="list-style-type: none"> 1. Divide 2-digit numbers by 1-digit numbers 4T7
4.8: Divide Using Partial Quotients	<ol style="list-style-type: none"> 1. Divide 2-digit numbers by 1-digit numbers 4T7
4.9: Model Division with Regrouping	<ol style="list-style-type: none"> 1. Divide 2-digit numbers by 1-digit numbers 4T7
4.1: Place the First Digit	<ol style="list-style-type: none"> 1. Divide larger numbers by 1-digit numbers GE8
4.11: Divide by 1-Digit Numbers	<ol style="list-style-type: none"> 1. Divide 2-digit numbers by 1-digit numbers 4T7 2. Divide 2-digit numbers by 1-digit numbers: complete the table UFM 3. Divide larger numbers by 1-digit numbers GE8 4. Divide larger numbers by 1-digit numbers: word problems DKK

5. Divide larger numbers by 1-digit numbers:
complete the table 2UB
6. Divide larger numbers by 1-digit numbers:
interpret remainders J8D
7. Choose numbers with a particular quotient MYU

4.12: Problem Solving - Multistep Division Problems

1. Multi-step word problems EA9
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Chapter 5

Factors, Multiples, and Patterns

Textbook section	IXL skills
5.1: Model Factors	
5.2: Factors and Divisibility	<ol style="list-style-type: none">1. Identify factors 2S92. Choose numbers with a particular product U9N
5.3: Problem Solving - Common Factors	
5.4: Factors and Multiples	<ol style="list-style-type: none">1. Choose the multiples of a given number up to 12 ENC
5.5: Prime and Composite Numbers	<ol style="list-style-type: none">1. Prime and composite: up to 20 TNF2. Prime and composite: up to 100 L9R
5.6: Number Patterns	<ol style="list-style-type: none">1. Multiplication input/output tables BEP2. Use a rule to complete a number pattern 5P2

Chapter 6

Fraction Equivalence and Comparison

Textbook section	IXL skills
6.1: Equivalent Fractions	1. Find equivalent fractions using area models <small>HYC</small>
6.2: Generate Equivalent Fractions	1. Identify equivalent fractions <small>GSG</small>
6.3: Simplest Form	1. Write fractions in lowest terms <small>3R5</small>
6.4: Common Denominators	
6.5: Problem Solving - Find Equivalent Fractions	1. Find equivalent fractions using area models <small>HYC</small>
6.6: Compare Fractions Using Benchmarks	1. Benchmark fractions <small>LUS</small> 2. Compare fractions using benchmarks <small>EHJ</small>
6.7: Compare Fractions	1. Compare fractions using models <small>7XF</small> 2. Compare fractions <small>99U</small> 3. Compare fractions in recipes <small>U2K</small>
6.8: Compare and Order Fractions	1. Graph and order fractions on number lines <small>7GK</small> 2. Order fractions with like numerators or denominators <small>JU2</small> 3. Order fractions <small>MSB</small>

Chapter 7

Add and Subtract Fractions

Textbook section	IXL skills
7.1: Add and Subtract Parts of a Whole	
7.2: Write Fractions as Sums	<ol style="list-style-type: none"> 1. Decompose fractions into unit fractions XHG 2. Decompose fractions N2Z 3. Decompose fractions multiple ways UEW
7.3: Add Fractions Using Models	<ol style="list-style-type: none"> 1. Add fractions with like denominators using number lines 6QH
7.4: Subtract Fractions Using Models	<ol style="list-style-type: none"> 1. Subtract fractions with like denominators using number lines MJX 2. Add and subtract fractions with like denominators using number lines GAK
7.5: Add and Subtract Fractions	<ol style="list-style-type: none"> 1. Add fractions with like denominators PDU 2. Subtract fractions with like denominators AVF 3. Add and subtract fractions with like denominators FXD 4. Add and subtract fractions with like denominators: word problems XBR 5. Add and subtract fractions with like denominators in recipes LYR
7.6: Rename Fractions and Mixed Numbers	<ol style="list-style-type: none"> 1. Convert between improper fractions and mixed numbers JFE
7.7: Add and Subtract Mixed Numbers	<ol style="list-style-type: none"> 1. Add and subtract mixed numbers with like denominators 9AS
7.8: Subtraction with Renaming	<ol style="list-style-type: none"> 1. Add and subtract mixed numbers with like denominators 9AS
7.9: Fractions and Properties of Addition	<ol style="list-style-type: none"> 1. Add 3 or more fractions with like denominators LNE
7.1: Problem Solving: Multistep Fraction Problems	

Chapter 8

Multiply Fractions by Whole Numbers

Textbook section	IXL skills
8.1: Multiples of Unit Fractions	<ol style="list-style-type: none"> 1. Multiply unit fractions by whole numbers using number lines XKJ
8.2: Multiples of Fractions	<ol style="list-style-type: none"> 1. Multiples of unit fractions: find the missing numbers VYG 2. Multiply fractions by whole numbers using number lines Q7B
8.3: Multiply a Fraction by a Whole Number Using Models	<ol style="list-style-type: none"> 1. Multiply unit fractions by whole numbers using models 8J3 2. Multiply fractions by whole numbers using models Y5C
8.4: Multiply a Fraction or Mixed Number by a Whole Number	<ol style="list-style-type: none"> 1. Multiply unit fractions by whole numbers: sorting VGC 2. Multiply unit fractions by whole numbers EXQ 3. Multiply unit fractions by whole numbers: word problems DSB 4. Multiply fractions by whole numbers: sorting X48 5. Multiply fractions by whole numbers JLH 6. Multiply fractions by whole numbers: word problems LX8 7. Multiply fractions and mixed numbers by whole numbers in recipes 7B3
8.5: Problem Solving: Comparison Problems with Fractions	

Chapter 9

Relate Fractions and Decimals

Textbook section	IXL skills
9.1: Relate Tenths and Decimals	
9.2: Relate Hundredths and Decimals	<ol style="list-style-type: none">1. What decimal number is illustrated? B7E2. Model decimals and fractions TPV3. Decimal number lines EWY4. Graph fractions as decimals on number lines 2N95. Convert fractions and mixed numbers to decimals - denominators of 10 and 100 6P7
9.3: Equivalent Fractions and Decimals	<ol style="list-style-type: none">1. Equivalent decimals BZ2
9.4: Relate Fractions, Decimals, and Money	<ol style="list-style-type: none">1. Count coins and bills - up to \$20 bill M67
9.5: Problem Solving: Money	<ol style="list-style-type: none">1. Find the change, price, or amount paid RTE
9.6: Add Fractional Parts of 10 and 100	<ol style="list-style-type: none">1. Identify fraction expressions with a particular sum: denominators of 10 and 100 TZH
9.7: Compare Decimals	<ol style="list-style-type: none">1. Compare money amounts EAL2. Compare decimals on number lines T2W3. Compare decimal numbers DY54. Compare decimals and fractions on number lines 8YG5. Compare decimals and fractions TB7

Chapter 10

Two Dimensional Figures

Textbook section	IXL skills
10.1: Lines, Rays, and Angles	<ol style="list-style-type: none"> 1. Points, lines, line segments, rays, and angles 9MK 2. Acute, right, obtuse, and straight angles R5K
10.2: Classify Triangles by Angles	<ol style="list-style-type: none"> 1. Acute, obtuse, and right triangles 7QK
10.3: Parallel Lines and Perpendicular Lines	<ol style="list-style-type: none"> 1. Parallel, perpendicular, and intersecting lines 8VQ
10.4: Classify Quadrilaterals	<ol style="list-style-type: none"> 1. Parallel sides in quadrilaterals 58M 2. Identify parallelograms DJ9 3. Identify trapezoids 9MJ 4. Identify rectangles GHH 5. Identify rhombuses KUU 6. Classify quadrilaterals A6V
10.5: Line Symmetry	<ol style="list-style-type: none"> 1. Identify lines of symmetry 9FD
10.6: Find and Draw Lines of Symmetry	<ol style="list-style-type: none"> 1. Draw lines of symmetry SQF 2. Count lines of symmetry MWS
10.7: Problem Solving: Shape Patterns	<ol style="list-style-type: none"> 1. Find the next shape in a pattern KG8 2. Complete a repeating pattern FNW 3. Make a repeating pattern V68 4. Find the next row in a growing pattern of shapes JZP

Chapter 11

Angles

Textbook section	IXL skills
11.1: Angles and Fractional Parts of a Circle	
11.2: Degrees	<ol style="list-style-type: none">1. Use fractions to find the measure of an angle Q682. Angles of 90, 180, 270, and 360 degrees UQV
11.3: Measure and Draw Angles	<ol style="list-style-type: none">1. Measure angles with a protractor NCN
11.4: Join and Separate Angles	<ol style="list-style-type: none">1. Adjacent angles VJY
11.5: Problem Solving: Unknown Angles	<ol style="list-style-type: none">1. Adjacent angles VJY

Chapter 12

Relative Size of Measurement Units

Textbook section	IXL skills
12.1: Measurement Benchmarks	<ol style="list-style-type: none"> 1. Which customary unit is appropriate? YYA 2. Which metric unit is appropriate? FPM
12.2: Customary Units of Length	<ol style="list-style-type: none"> 1. Compare and convert customary units of length A89
12.3: Customary Units of Weight	<ol style="list-style-type: none"> 1. Compare and convert customary units of weight LJV
12.4: Customary Units of Liquid Volume	<ol style="list-style-type: none"> 1. Compare and convert customary units of volume GAA 2. Compare and convert customary units DRM
12.5: Line Plots	<ol style="list-style-type: none"> 1. Interpret line plots G8K 2. Create line plots GNT 3. Create and interpret line plots with fractions QQB
12.6: Metric Units of Length	<ol style="list-style-type: none"> 1. Compare and convert metric units of length GZM
12.7: Metric Units of Mass and Liquid Volume	<ol style="list-style-type: none"> 1. Compare and convert metric units of weight 7RC 2. Compare and convert metric units of volume FHV 3. Compare and convert metric units UL5
12.8: Units of Time	<ol style="list-style-type: none"> 1. Convert time units VNU
12.9: Problem Solving: Elapsed Time	<ol style="list-style-type: none"> 1. Elapsed time TUH 2. Elapsed time: word problems VCC 3. Find start and end times: multi-step word problems ZQP
12.1: Mixed Measures	<ol style="list-style-type: none"> 1. Convert mixed customary units U95 2. Add and subtract mixed customary units GGD 3. Convert time units VNU

4. Add and subtract mixed time units VD2

12.11: Patterns in Measurement Units

1. Conversion tables - customary units LSP

2. Conversion tables - metric units YTJ

Chapter 13

Algebra: Perimeter and Area

Textbook section	IXL skills
13.1: Perimeter	1. Perimeter of polygons HLW
13.2: Area	1. Find the area or missing side length of a rectangle 9E6 2. Area and perimeter: word problems LTP
13.3: Area of Combined Rectangles	1. Area of complex figures (with all right angles) 38W
13.4: Find Unknown Measures	1. Perimeter: find the missing side length QAC 2. Find the area or missing side length of a rectangle 9E6 3. Area and perimeter: word problems LTP
13.5: Problem Solving: Find the Area	1. Area between two rectangles GY2