



IXL Skill Alignment

4th grade alignment for GO Math! 2011 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	1. Convert between standard and expanded form M5V
1.2: Read and Write Numbers	1. Writing numbers up to one million in words: convert digits to words 7WT
1.3: Compare and Order Numbers	1. Compare numbers up to one billion 8ZQ
1.4: Round Numbers	1. Rounding: up to millions place E6V
1.5: Rename Numbers	1. Convert between place values KVR
1.6: Add Whole Numbers	1. Add two numbers up to seven digits PFA 2. Add two numbers up to seven digits: word problems KJU 3. Estimate sums VMD 4. Estimate sums: word problems SB9 <i>Also consider</i> • Properties of addition D9R
1.7: Subtract Whole Numbers	1. Subtract numbers up to seven digits VPX 2. Subtract numbers up to seven digits: word problems 9X2 3. Estimate differences QJY 4. Estimate differences: word problems GWS
1.8: Comparison Problems with Addition and Subtraction	1. Read a table B9R

Chapter 2

Multiply by 1-Digit Numbers

Textbook section	IXL skills
2.1: Multiplication Comparisons	
2.2: Comparison Problems	
2.3: Multiply Tens, Hundreds, and Thousands	1. Multiplication patterns over increasing place values Y5K
2.4: Estimate Products	1. Estimate products: multiply by 1-digit numbers WDG
2.5: Multiply Using the Distributive Property	1. Distributive property: find the missing factor US7 2. Multiply using the distributive property LXG
2.6: Multiply Using Expanded Form	
2.7: Multiply Using Partial Products	
2.8: Multiply Using Mental Math	1. Properties of multiplication B6N
2.9: Multistep Multiplication Problems	1. Multiply three or more numbers: word problems UVT
2.10: Multiply 2-Digit Numbers with Regrouping	1. Multiply 1-digit numbers by 2-digit numbers GDW
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	

Chapter 3

Multiply 2-Digit Numbers

Textbook section	IXL skills
3.1: Multiply by Tens	1. Multiply numbers ending in zeroes 7NS
3.2: Estimate Products	1. Estimate products: multiply by 2-digit numbers 2TR 2. Estimate products: word problems WGL
3.3: Area Models and Partial Products	
3.4: Multiply Using Partial Products	1. Box multiplication ERB 2. Multiply a 2-digit number by a 2-digit number MLC
3.5: Multiply with Regrouping	1. Multiply a 2-digit number by a 2-digit number MLC
3.6: Choose a Multiplication Method	1. Multiply a 2-digit number by a 2-digit number MLC
3.7: Problem Solving - Multiply 2-Digit Numbers	

Chapter 4

Divide by 1-Digit Numbers

Textbook section	IXL skills
4.1: Estimate Quotients Using Multiples	
4.2: Remainders	
4.3: Interpret the Remainder	1. Divide 2-digit numbers by 1-digit numbers: interpret remainders 5WV
4.4: Divide Tens, Hundreds, and Thousands	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	1. Divide by 1-digit numbers: pick the better estimate 2FS
4.6: Division and the Distributive Property	
4.7: Divide Using Repeated Subtraction	1. Division facts to 12 R95 2. Divide 2-digit numbers by 1-digit numbers 4T7 <i>Also consider</i> <ul style="list-style-type: none"> Divide 2-digit numbers by 1-digit numbers: word problems QMT
4.8: Divide Using Partial Quotients	
4.9: Model Division with Regrouping	
4.10: Place the First Digit	1. Divide larger numbers by 1-digit numbers GE8
4.11: Divide by 1-Digit Numbers	1. Divide larger numbers by 1-digit numbers GE8 2. Divide larger numbers by 1-digit numbers: word problems DKK
4.12: Multistep Division Problems	

Chapter 5

Factors, Multiples, and Patterns

Textbook section	IXL skills
5.1: Model Factors	1. Identify factors 2S9
5.2: Factors and Divisibility	1. Identify factors 2S9 2. Divisibility rules UTK 3. Divisibility rules: word problems ZG8
5.3: Common Factors	
5.4: Factors and Multiples	1. Choose the multiples of a given number up to 12 ENC
5.5: Prime and Composite Numbers	1. Prime and composite: up to 20 TNF
5.6: Number Patterns	1. Number patterns: word problems C62

Chapter 6

Fraction Equivalence and Comparison

Textbook section	IXL skills
6.1: Equivalent Fractions	<ol style="list-style-type: none"> 1. Find equivalent fractions using area models <small>HYC</small> 2. Identify equivalent fractions <small>GSG</small>
6.2: Generate Equivalent Fractions	<ol style="list-style-type: none"> 1. Patterns of equivalent fractions <small>7LH</small>
6.3: Simplest Form	<ol style="list-style-type: none"> 1. Write fractions in lowest terms <small>3R5</small>
6.4: Common Denominators	
6.5: Problem Solving - Find Equivalent Fractions	
6.6: Compare Fractions Using Benchmarks	<ol style="list-style-type: none"> 1. Benchmark fractions <small>LUS</small> 2. Compare fractions using benchmarks <small>EHJ</small>
6.7: Compare Fractions	<ol style="list-style-type: none"> 1. Graph and compare fractions with like numerators or denominators on number lines <small>9XF</small> 2. Compare fractions using models <small>7XF</small> 3. Compare fractions <small>99U</small>
6.8: Compare and Order Fractions	<ol style="list-style-type: none"> 1. Graph and order fractions on number lines <small>7GK</small> 2. Order fractions <small>MSB</small> <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Find smaller or larger fractions <small>PDJ</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
7.5: Add and Subtract Fractions	<ol style="list-style-type: none"> 1. Add and subtract fractions with like denominators using number lines GAK 2. Add and subtract fractions with like denominators FXD 3. Add and subtract fractions with like denominators: word problems XBR
7.6: Rename Fractions and Mixed Numbers	<ol style="list-style-type: none"> 1. Identify mixed numbers UX6 2. 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	
7.10: 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 XKJ2. Multiply unit fractions by whole numbers using models 8J33. Multiples of unit fractions: find the missing numbers VYG4. Multiply unit fractions by whole numbers EXQ5. Multiply unit fractions by whole numbers: word problems DSB
8.2: Multiples of Fractions	<ol style="list-style-type: none">1. Multiples of unit fractions: find the missing numbers VYG2. 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 8J32. Multiply fractions by whole numbers using number lines Q7B3. Multiply fractions by whole numbers using models Y5C4. Multiply fractions by whole numbers JLH5. Multiply fractions by whole numbers: word problems LX8
8.4: Multiply a Fraction or Mixed Number by a Whole Number	<ol style="list-style-type: none">1. Multiply fractions and mixed numbers by whole numbers in recipes 7B3
8.5: Comparison Problems with Fractions	<ol style="list-style-type: none">1. Multiply unit fractions by whole numbers: word problems DSB2. Multiply fractions by whole numbers: word problems LX8

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? B7E 2. Model decimals and fractions TPV 3. Understanding decimals expressed in words LUL 4. Place values in decimal numbers UFR 5. Graph decimals on number lines N93 6. Graph fractions as decimals on number lines 2N9
9.3: Equivalent Fractions and Decimals	<ol style="list-style-type: none"> 1. Fractions with denominators of 10 and 100 VLP 2. Equivalent decimals BZ2 3. Graph fractions as decimals on number lines 2N9
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. Add and subtract money amounts 3Y6 2. Add, subtract, multiply, and divide money amounts XCB
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 2. Add fractions: denominators 10 and 100 9RJ
9.7: Compare Decimals	<ol style="list-style-type: none"> 1. Compare decimals on number lines T2W 2. Compare decimal numbers DY5 3. Compare decimals and fractions on number lines 8YG <p><i>Also consider</i></p> <ul style="list-style-type: none"> • 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 9MK2. Acute, right, obtuse, and straight angles R5K
10.2: Classify Triangles	<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. 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	
10.7: Problem Solving - Shape Patterns	<ol style="list-style-type: none">1. Number patterns: mixed review E77

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 Angle Measures	<ol style="list-style-type: none">1. Adjacent angles VJY

Chapter 12

Relative Sizes 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 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Conversion tables - customary units LSP
12.5: Line Plots	<ol style="list-style-type: none"> 1. Interpret line plots G8K 2. Create line plots GNT
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 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Conversion tables - metric units YTJ
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
12.10: Mixed Measures	<ol style="list-style-type: none"> 1. Add and subtract mixed customary units GGD
12.11: Patterns in Measurement Units	

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
13.3: Area of Combined Rectangles	1. Area of complex figures (with all right angles) 38W
13.4: Find Unknown Measures	1. Perimeter of polygons HLW <i>Also consider</i> <ul style="list-style-type: none">Relationship between area and perimeter SKK
13.5: Problem Solving - Find the Area	1. Area between two rectangles GY2