



IXL Skill Alignment

5th grade alignment for GO Math! 2015 Common Core Edition



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Chapter 1

Place Value, Multiplication, and Expressions

Textbook section	IXL skills
1.1: Place Value and Patterns	
1.2: Place Value of Whole Numbers	<ol style="list-style-type: none"> 1. Convert between standard and expanded form HU7 2. Place value 83P 3. Writing numbers in words: convert words to digits EZT 4. Writing numbers in words: convert digits to words DZS
1.3: Properties	<ol style="list-style-type: none"> 1. Properties of addition LFE 2. Properties of multiplication LUE
1.4: Powers of 10 and Exponents	
1.5: Multiplication Patterns	
1.6: Multiply by 1-Digit Numbers	<ol style="list-style-type: none"> 1. Multiply by 1-digit numbers 7H4 2. Multiply by 1-digit numbers: word problems 94W
1.7: Multiply by Multi-Digit Numbers	<ol style="list-style-type: none"> 1. Estimate products TKD 2. Multiply by 2-digit numbers: complete the missing steps 9LX 3. Multiply 2-digit numbers by 2-digit numbers LLJ 4. Multiply 2-digit numbers by 3-digit numbers JHB 5. Multiply 2-digit numbers by larger numbers 9VQ 6. Multiply by 2-digit numbers: word problems J95 7. Multiply by 3-digit numbers NSP
1.8: Relate Multiplication to Division	<ol style="list-style-type: none"> 1. Choose numbers with a particular quotient FBX
1.9: Problem Solving: Multiplication and Division	<ol style="list-style-type: none"> 1. Division facts to 12: word problems 2SA
1.1: Numerical Expressions	<ol style="list-style-type: none"> 1. Write numerical expressions: two operations 8ME



1.11: Evaluate Numerical Expressions

1.12: Grouping Symbols

1. Evaluate numerical expressions Z5N

Chapter 2

Divide Whole Numbers

Textbook section	IXL skills
2.1: Place the First Digit	
2.2: Divide by 1-Digit Divisors	<ol style="list-style-type: none"> 1. Divide multi-digit numbers by 1-digit numbers XHZ 2. Divide multi-digit numbers by 1-digit numbers: word problems 5DE
2.3: Division with 2-Digit Divisors	
2.4: Partial Quotients	<ol style="list-style-type: none"> 1. Divide 2-digit and 3-digit numbers by 2-digit numbers HMA 2. Divide 4-digit numbers by 2-digit numbers 35K
2.5: Estimate with 2-Digit Divisors	<ol style="list-style-type: none"> 1. Estimate quotients V8H
2.6: Divide by 2-Digit Divisors	<ol style="list-style-type: none"> 1. Divide 2-digit and 3-digit numbers by 2-digit numbers HMA 2. Divide 2-digit and 3-digit numbers by 2-digit numbers: word problems AJW 3. Divide 4-digit numbers by 2-digit numbers 35K 4. Divide 4-digit numbers by 2-digit numbers: word problems J8L
2.7: Interpret the Remainder	<ol style="list-style-type: none"> 1. Divide by 1-digit numbers: interpret remainders 72W
2.8: Adjust Quotients	
2.9: Problem Solving: Division	<ol style="list-style-type: none"> 1. Divide 2-digit and 3-digit numbers by 2-digit numbers: word problems AJW 2. Divide 4-digit numbers by 2-digit numbers: word problems J8L

Chapter 3

Add and Subtract Decimals

Textbook section	IXL skills
3.1: Thousandths	1. What decimal number is illustrated? CTP
3.2: Place Value of Decimals	1. Understanding decimals expressed in words F9G 2. Place values in decimal numbers X8U 3. Convert decimals between standard and expanded form WTU 4. Convert decimals between standard and expanded form using fractions BLQ
3.3: Compare and Order Decimals	1. Compare decimal numbers NSG 2. Put decimal numbers in order YUX
3.4: Round Decimals	1. Round decimals MPB 2. Compare, order, and round decimals: word problems 2MV
3.5: Decimal Addition	
3.6: Decimal Subtraction	
3.7: Estimate Decimal Sums and Differences	1. Estimate sums and differences of decimals using rounding YGG
3.8: Add Decimals	1. Add decimal numbers BDX
3.9: Subtract Decimals	1. Subtract decimal numbers SC8 2. Add and subtract decimal numbers 7VJ
3.1: Patterns with Decimals	1. Number sequences involving decimals H73
3.11: Add and Subtract Money	1. Add and subtract money amounts A8R 2. Add and subtract money: word problems DLC

3.12: Choose a Method

1. Add decimal numbers BDX
 2. Subtract decimal numbers SC8
 3. Add and subtract decimal numbers 7VJ
 4. Add and subtract decimals: word problems 35U
 5. Choose decimals with a particular sum or difference ARW
 6. Complete the decimal addition or subtraction sentence ZKV
 7. Add and subtract money amounts A8R
 8. Add and subtract money: word problems DLC
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Chapter 4

Multiply Decimals

Textbook section	IXL skills
4.1: Multiplication Patterns with Decimals	1. Multiply a decimal by a power of ten DN2
4.2: Multiply Decimals and Whole Numbers	
4.3: Multiplication with Decimals and Whole Numbers	1. Multiply a decimal by a one-digit whole number XNY
4.4: Multiply Using Expanded Form	1. Multiply a decimal by a multi-digit whole number PGM
4.5: Problem Solving: Multiply Money	1. Multiply money amounts: word problems U5L
4.6: Decimal Multiplication	1. Complete the decimal multiplication sentence using grids R9T
4.7: Multiply Decimals	1. Multiply two decimals: products up to hundredths FLL
4.8: Zeros in the Product	1. Multiply two decimals: products up to hundredths FLL

Chapter 5

Divide Decimals

Textbook section	IXL skills
5.1: Division Patterns with Decimals	<ol style="list-style-type: none">1. Divide by powers of ten H2N2. Decimal division patterns over increasing place values GBS
5.2: Divide Decimals by Whole Numbers	
5.3: Estimate Quotients	
5.4: Division of Decimals by Whole Numbers	<ol style="list-style-type: none">1. Division with decimal quotients J9Z
5.5: Decimal Division	
5.6: Divide Decimals	
5.7: Write Zeros in the Dividend	
5.8: Problem Solving: Decimal Quotients	<ol style="list-style-type: none">1. Division with decimal quotients: word problems Z2X2. Add and subtract money: word problems DLC3. Multiply money amounts: word problems U5L4. Divide money amounts: word problems 2RU

Chapter 6

Add and Subtract Fractions with Unlike Denominators

Textbook section	IXL skills
6.1: Addition with Unlike Denominators	1. Add fractions with unlike denominators using models 2BS
6.2: Subtraction with Unlike Denominators	1. Subtract fractions with unlike denominators using models QA6
6.3: Estimate Fraction Sums and Differences	1. Estimate sums and differences of mixed numbers HUJ
6.4: Common Denominators and Equivalent Fractions	1. Equivalent fractions MKA 2. Least common denominator R7P
6.5: Add and Subtract Fractions	1. Add fractions with unlike denominators D9N 2. Subtract fractions with unlike denominators VSP 3. Complete addition and subtraction sentences with fractions FCA
6.6: Add and Subtract Mixed Numbers	1. Add mixed numbers with unlike denominators FHD
6.7: Subtraction with Renaming	1. Subtract mixed numbers with unlike denominators FAA 2. Complete addition and subtraction sentences with mixed numbers PSP
6.8: Patterns with Fractions	1. Addition and subtraction patterns with fractions MMR
6.9: Problem Solving: Practice Addition and Subtraction	1. Add and subtract fractions with unlike denominators: word problems TCD 2. Add and subtract mixed numbers: word problems 6BH 3. Add and subtract fractions in recipes W9K
6.1: Use Properties of Addition	1. Add 3 or more fractions with unlike denominators PBF 2. Add 3 or more fractions: word problems BFQ

Chapter 7

Multiply Fractions

Textbook section	IXL skills
7.1: Find Part of a Group	1. Multiply fractions by whole numbers using arrays RB9 <i>Also consider</i> <ul style="list-style-type: none"> Fractions of a number E7W Fractions of a number: word problems RHE
7.2: Multiply Fractions and Whole Numbers	1. Multiply unit fractions by whole numbers using models AFS 2. Multiplying fractions by whole numbers: choose the model NKU
7.3: Fraction and Whole Number Multiplication	1. Multiply unit fractions and whole numbers: sorting FTW 2. Multiply fractions and whole numbers: sorting K69 3. Multiply fractions by whole numbers I QFQ 4. Multiply fractions by whole numbers II 69L 5. Multiply fractions by whole numbers: word problems U2V 6. Multiply fractions by whole numbers: input/output tables 2KU
7.4: Multiply Fractions	1. Multiply two unit fractions using models HDJ 2. Multiply two fractions using models: fill in the missing factor AT7 3. Multiply two fractions using models UAY
7.5: Compare Fraction Factors and Products	1. Scaling whole numbers by fractions QH2 2. Scaling fractions by fractions 9RF
7.6: Fraction Multiplication	1. Multiply two fractions 8KV 2. Multiply two fractions: word problems 38Y 3. Complete the fraction multiplication sentence S6G

7.7: Area and Mixed Numbers

1. Area of squares and rectangles E6B

7.8: Compare Mixed Number Factors and Products

1. Scaling mixed numbers by fractions S6B

7.9: Multiply Mixed Numbers

1. Multiply a mixed number by a whole number 6Q4
2. Multiply a mixed number by a fraction G7W
3. Multiply two mixed numbers P73
4. Multiplication with mixed numbers: word problems 5W6
5. Multiply fractions and mixed numbers in recipes QHN

7.1: Problem Solving: Find Unknown Lengths

1. Area and perimeter: word problems MHV

Chapter 8

Divide Fractions

Textbook section	IXL skills
8.1: Divide Fractions and Whole Numbers	<ol style="list-style-type: none">1. Divide unit fractions by whole numbers GXY2. Divide whole numbers by unit fractions using models VDU3. Divide whole numbers by unit fractions 3L94. Divide whole numbers and unit fractions SPB5. Divide fractions by whole numbers FKT6. Divide whole numbers by fractions RHL
8.2: Problem Solving: Use Multiplication	
8.3: Connect Fractions to Division	<ol style="list-style-type: none">1. Fractions review PCF2. Fractions of a whole: word problems 2VP
8.4: Fraction and Whole Number Division	<ol style="list-style-type: none">1. Divide unit fractions by whole numbers GXY2. Divide whole numbers by unit fractions using models VDU3. Divide whole numbers by unit fractions 3L94. Divide whole numbers and unit fractions SPB5. Divide fractions by whole numbers FKT6. Divide whole numbers by fractions RHL
8.5: Interpret Division with Fractions	<ol style="list-style-type: none">1. Divide fractions by whole numbers in recipes HBZ2. Divide unit fractions and whole numbers: word problems G2N

Chapter 9

Algebra: Patterns and Graphing

Textbook section	IXL skills
9.1: Line Plots	1. Create and interpret line plots with fractions XBS
9.2: Ordered Pairs	1. Objects on a coordinate plane NTR 2. Graph points on a coordinate plane AST 3. Coordinate planes as maps ZBD
9.3: Graph Data	
9.4: Line Graphs	1. Interpret line graphs UFX 2. Create line graphs KFZ
9.5: Numerical Patterns	1. Multiplication input/output tables STJ
9.6: Problem Solving: Find a Rule	1. Multiplication input/output tables: find the rule ZXB
9.7: Graph and Analyze Relationships	1. Complete a table for a two-variable relationship NEK 2. Complete a table from a graph 2WL 3. Graph a two-variable relationship QEH

Chapter 10

Convert Units of Measure

Textbook section	IXL skills
10.1: Customary Length	1. Compare and convert customary units of length 7E8
10.2: Customary Capacity	1. Compare and convert customary units of volume 96B
10.3: Weight	1. Compare and convert customary units of weight XST
10.4: Multistep Measurement Problems	1. Compare and convert customary units 8DZ
10.5: Metric Measures	1. Compare and convert metric units of length 8MZ 2. Compare and convert metric units of weight TM9 3. Compare and convert metric units of volume 27C 4. Compare and convert metric units PJL
10.6: Problem Solving: Customary and Metric Conversions	1. Conversion tables - customary units 7HU 2. Conversion tables - metric units 7QS
10.7: Elapsed Time	1. Convert time units CXF 2. Elapsed time N8A 3. Find start and end times: word problems NX7

Chapter 11

Geometry and Volume

Textbook section	IXL skills
11.1: Polygons	<ol style="list-style-type: none"> 1. Number of sides in polygons 4Z2 2. Regular and irregular polygons UHC
11.2: Triangles	<ol style="list-style-type: none"> 1. Acute, obtuse, and right triangles N77 2. Scalene, isosceles, and equilateral triangles R94 3. Classify triangles C64
11.3: Quadrilaterals	<ol style="list-style-type: none"> 1. Parallel sides in quadrilaterals AJV 2. Identify parallelograms AJB 3. Identify trapezoids FZD 4. Identify rectangles XAE 5. Identify rhombuses C66 6. Classify quadrilaterals 6ZQ
11.4: Three-Dimensional Figures	<ol style="list-style-type: none"> 1. Identify three-dimensional figures HSR
11.5: Unit Cubes and Solid Figures	<ol style="list-style-type: none"> 1. Volume of rectangular prisms made of unit cubes WG8 2. Volume of irregular figures made of unit cubes WCE
11.6: Understand Volume	<ol style="list-style-type: none"> 1. Volume of rectangular prisms made of unit cubes WG8
11.7: Estimate Volume	
11.8: Volume of Rectangular Prisms	<ol style="list-style-type: none"> 1. Volume of rectangular prisms made of unit cubes WG8
11.9: Apply Volume Formulas	<ol style="list-style-type: none"> 1. Volume of cubes and rectangular prisms TFL
11.1: Problem Solving: Compare Volumes	
11.11: Find Volume of Composed Figures	