



IXL Skill Alignment

3rd grade alignment for GO Math! 2011 Common Core Edition



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Chapter 1

Addition and Subtraction Within 1,000

Textbook section	IXL skills
1.1: Number Patterns	1. Even or odd U9Q 2. Even or odd: arithmetic rules L63 <i>Also consider</i> <ul style="list-style-type: none"> Properties of addition NY2
1.2: Round to the Nearest Ten or Hundred	1. Rounding - nearest ten or hundred only Q65
1.3: Estimate Sums	1. Estimate sums up to 1,000 3Y9
1.4: Mental Math Strategies for Addition	
1.5: Use Properties to Add	1. Properties of addition NY2 <i>Also consider</i> <ul style="list-style-type: none"> Add three numbers up to three digits each GSY Complete the equation using properties of addition CGS
1.6: Use the Break Apart Strategy to Add	
1.7: Use Place Value to Add	1. Add two numbers up to three digits E83 2. Add two numbers up to three digits: word problems QU2 <i>Also consider</i> <ul style="list-style-type: none"> Complete the addition sentence: up to three digits D69 Add three numbers up to three digits each GSY Add three numbers up to three digits each: word problems NPU Addition up to four digits: fill in the missing digits LPZ
1.8: Estimate Differences	1. Estimate differences up to 1,000 A47 2. Estimate differences QDF

1.9: Mental Math Strategies for Subtraction

1.10: Use Place Value to Subtract

1. Subtract numbers up to three digits EHT
2. Subtract numbers up to three digits: word problems K88

Also consider

- Complete the subtraction sentence: up to three digits MD8
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1.11: Combine Place Values to Subtract

1. Subtract numbers up to three digits EHT
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1.12: Model Addition and Subtraction

Chapter 2

Represent and Interpret Data

Textbook section	IXL skills
2.1: Organize Data	1. Interpret tally charts 8CW
2.2: Use Picture Graphs	1. Interpret pictographs Y5D
2.3: Make Picture Graphs	1. Create pictographs AVG
2.4: Use Bar Graphs	1. Interpret bar graphs V54
2.5: Make Bar Graphs	1. Create bar graphs RPF
2.6: Solve Problems Using Data	1. Interpret bar graphs V54
2.7: Use and Make Line Plots	1. Interpret line plots YXD 2. Create line plots H5J

Chapter 3

Understand Multiplication

Textbook section	IXL skills
3.1: Count Equal Groups	1. Count equal groups 9K7
3.2: Relate Addition and Multiplication	1. Identify multiplication expressions for equal groups 9AE 2. Write multiplication sentences for equal groups V98 3. Relate addition and multiplication for equal groups GGC 4. Relate addition and multiplication P74
3.3: Skip Count on a Number Line	1. Write multiplication sentences for number lines NTV
3.4: Model Multiplication	
3.5: Model with Arrays	1. Identify multiplication expressions for arrays HZL 2. Write multiplication sentences for arrays 5FZ 3. Make arrays to model multiplication PPR
3.6: Commutative Property of Multiplication	
3.7: Multiply with 1 and 0	1. Multiply by 0 BGK 2. Multiply by 1 CRE

Chapter 4

Multiplication Facts and Strategies

Textbook section	IXL skills
4.1: Multiply with 2 and 4	1. Multiply by 2 94M 2. Multiply by 4 5U6
4.2: Multiply with 5 and 10	1. Multiply by 5 Y9E 2. Multiply by 10 6YD <i>Also consider</i> <ul style="list-style-type: none"> Multiplication tables for 2, 3, 4, 5, and 10 DW5
4.3: Multiply with 3 and 6	1. Multiply by 3 38K 2. Multiply by 6 SX6
4.4: Distributive Property	1. Distributive property: find the missing factor 7VP
4.5: Multiply with 7	1. Multiply by 7 9PT
4.6: Associative Property of Multiplication	
4.7: Patterns on the Multiplication Table	1. Even or odd: arithmetic rules L63
4.8: Multiply with 8	1. Multiply by 8 SMR
4.9: Multiply with 9	1. Multiply by 9 SUH <i>Also consider</i> <ul style="list-style-type: none"> Multiplication tables for 6, 7, 8, and 9 XT7 Multiplication tables up to 10 PNV
4.10: Problem Solving - Multiplication	1. Multiplication word problems 9TA 2. Multiplication word problems: find the missing factor F6C

Chapter 5

Use Multiplication Facts

Textbook section	IXL skills
5.1: Describe Patterns	<ol style="list-style-type: none">1. Multiplication input/output tables 8CM2. Multiplication input/output tables: find the rule D5U
5.2: Find Unknown Factors	<ol style="list-style-type: none">1. Multiplication facts for 2, 3, 4, 5, and 10: find the missing factor ZEY2. Multiplication facts for 6, 7, 8, and 9: find the missing factor X7N3. Multiplication facts up to 10: find the missing factor FZA
5.3: Use the Distributive Property	
5.4: Multiplication Strategies with Multiples of 10	<ol style="list-style-type: none">1. Multiply by a multiple of ten MS6
5.5: Multiply Multiples of 10 by 1-Digit Numbers	<ol style="list-style-type: none">1. Multiply by a multiple of ten MS6

Chapter 6

Understand Division

Textbook section	IXL skills
6.1: Model Division	1. Divide by counting equal groups UYK
6.2: Size of Equal Groups	1. Divide by counting equal groups UYK 2. Division word problems ECS
6.3: Number of Equal Groups	1. Divide by counting equal groups UYK 2. Division word problems ECS
6.4: Model with Bar Models	
6.5: Relate Subtraction and Division	1. Division facts for 2, 3, 4, 5, and 10 2JB 2. Division facts up to 10 M8T
6.6: Model with Arrays	1. Write division sentences for arrays 8RW
6.7: Relate Multiplication and Division	1. Multiplication facts up to 10: find the missing factor FZA 2. Relate multiplication and division for groups FTU 3. Relate multiplication and division for arrays XSK 4. Relate multiplication and division 67L
6.8: Write Related Facts	1. Relate multiplication and division for arrays XSK 2. Relate multiplication and division 67L
6.9: Division Rules for 1 and 0	1. Divide by 1 VTL

Chapter 7

Division Facts and Strategies

Textbook section	IXL skills
7.1: Divide by 2	1. Divide by 2 ANU
7.2: Divide by 10	1. Divide by 10 YRG
7.3: Divide by 5	1. Divide by 5 C9M
7.4: Divide by 3	1. Divide by 3 PCL
7.5: Divide by 4	1. Divide by 4 QGT
7.6: Divide by 6	1. Divide by 6 97S
7.7: Divide by 7	1. Divide by 7 D2F
7.8: Divide by 8	1. Divide by 8 CVD
7.9: Divide by 9	1. Divide by 9 RTB
7.10: Two-Step Problems	1. Two-step mixed operation word problems SRL
7.11: Order of Operations	

Chapter 8

Understand Fractions

Textbook section	IXL skills
8.1: Equal Parts of a Whole	<ol style="list-style-type: none"> 1. Identify equal parts FHY 2. Match fractions to models: halves, thirds, and fourths Y55
8.2: Equal Shares	
8.3: Unit Fractions of a Whole	<ol style="list-style-type: none"> 1. Match fractions to models: halves, thirds, and fourths Y55 2. Match unit fractions to models CPK 3. Unit fractions: word problems HM7
8.4: Fractions of a Whole	<ol style="list-style-type: none"> 1. Understand fractions: fraction bars 6JL 2. Understand fractions: area models RTW 3. Show fractions: fraction bars ZPW 4. Show fractions: area models NLE 5. Match unit fractions to models CPK 6. Fractions of a whole: modeling word problems 9PU 7. Fractions of a whole: word problems BV7
8.5: Fractions on a Number Line	<ol style="list-style-type: none"> 1. Identify unit fractions on number lines JVC 2. Identify fractions on number lines AWH 3. Graph unit fractions on number lines CBW <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Graph fractions on number lines 7QM
8.6: Relate Fractions and Whole Numbers	<ol style="list-style-type: none"> 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
8.7: Fractions of a Group	<ol style="list-style-type: none"> 1. Match fractions to models YHL 2. Fractions of a group: word problems Z65



8.8: Find Part of a Group Using Unit Fractions

1. Fractions of a number - unit fractions W5M
2. Fractions of a number - unit fractions: word problems C9P

8.9: Find the Whole Group Using Unit Fractions

Chapter 9

Compare Fractions

Textbook section	IXL skills
9.1: Problem Solving - Compare Fractions	
9.2: Compare Fractions with the Same Denominator	<ol style="list-style-type: none"> 1. Graph smaller or larger fractions on a number line 2PH 2. Graph and compare fractions with like denominators on number lines 63U
9.3: Compare Fractions with the Same Numerator	<ol style="list-style-type: none"> 1. Graph and compare fractions with like numerators on number lines ZPD
9.4: Compare Fractions	<ol style="list-style-type: none"> 1. Graph and compare fractions on number lines 6H5
9.5: Compare and Order Fractions	<ol style="list-style-type: none"> 1. Graph and order fractions on number lines T7E 2. Order fractions with like denominators HYZ 3. Order fractions with like numerators PCW
9.6: Model Equivalent Fractions	<ol style="list-style-type: none"> 1. Find equivalent fractions using number lines JL8 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Find equivalent fractions using area models: two models ZJ2 • Identify equivalent fractions on number lines HYM
9.7: Equivalent Fractions	<ol style="list-style-type: none"> 1. Find equivalent fractions using area models: two models ZJ2 2. Find equivalent fractions using number lines JL8 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Graph equivalent fractions on number lines WPQ

Chapter 10

Time, Length, Liquid Volume, and Mass

Textbook section	IXL skills
10.1: Time to the Minute	1. Read clocks and write times 5ZQ
10.2: A.M. and P.M.	1. A.M. or P.M. MUC
10.3: Measure Time Intervals	1. Elapsed time word problems: find the elapsed time V9D
10.4: Use Time Intervals	1. Elapsed time: find the end time U7B
10.5: Problem Solving - Time Intervals	
10.6: Measure Length	1. Measure using an inch ruler LC2
10.7: Estimate and Measure Liquid Volume	
10.8: Estimate and Measure Mass	1. Which metric unit of weight is appropriate? PTF
10.9: Solve Problems About Liquid Volume and Mass	

Chapter 11

Perimeter and Area

Textbook section	IXL skills
11.1: Model Perimeter	1. Perimeter of rectangles ZJT
11.2: Find Perimeter	
11.3: Find Unknown Side Lengths	1. Perimeter: find the missing side length T2V
11.4: Understand Area	1. Find the area of figures made of unit squares FLQ
11.5: Measure Area	1. Find the area of figures made of unit squares FLQ
11.6: Use Area Models	1. Create rectangles with a given area V73
11.7: Area of Rectangles	1. Find the area of rectangles and squares 8KJ 2. Find the area of rectangles: word problems 5HA
11.8: Area of Combined Rectangles	1. Find the area of complex figures SGP
11.9: Same Perimeter, Different Areas	1. Compare area and perimeter of two figures PMF 2. Relationship between area and perimeter: find the perimeter ZWF
11.10: Same Area, Different Perimeters	1. Compare area and perimeter of two figures PMF 2. Relationship between area and perimeter: find the perimeter ZWF

Chapter 12

Two-Dimensional Shapes

Textbook section	IXL skills
12.1: Describe Plane Shapes	1. Lines, line segments, and rays 24L
12.2: Describe Angles in Plane Shapes	1. Angles greater than, less than, or equal to a right angle 2YR
12.3: Identify Polygons	1. Count and compare sides and vertices GWA 2. Is it a polygon? C2P <i>Also consider</i> <ul style="list-style-type: none">• Parallel sides in quadrilaterals 6E9
12.4: Describe Sides of Polygons	1. Parallel, perpendicular, and intersecting lines 9SX
12.5: Classify Quadrilaterals	1. Classify quadrilaterals CNJ
12.6: Draw Quadrilaterals	
12.7: Describe Triangles	1. Acute, obtuse, and right triangles LRU 2. Scalene, isosceles, and equilateral triangles CXV
12.8: Classify Plane Shape	
12.9: Relate Shapes, Fractions, and Area	