



# IXL Skill Alignment

3rd grade alignment for GO Math! 2015 Common Core Edition



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# Chapter 1

## Addition and Subtraction Within 1,000

Textbook section	IXL skills
<b>1.1:</b> Number Patterns	1. Even or odd: arithmetic rules L63
<b>1.2:</b> Round to the Nearest Ten or Hundred	1. Rounding - nearest ten or hundred only Q65
<b>1.3:</b> Estimate Sums	1. Estimate sums up to 1,000 3Y9
<b>1.4:</b> Mental Math Strategies for Addition	
<b>1.5:</b> Use Properties to Add	1. Properties of addition NY2 2. Complete the equation using properties of addition CGS
<b>1.6:</b> Use the Break Apart Strategy to Add	
<b>1.7:</b> 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 3. Complete the addition sentence: up to three digits D69 4. Add three numbers up to three digits each GSY 5. Add three numbers up to three digits each: word problems NPU
<b>1.8:</b> Estimate Differences	1. Estimate differences up to 1,000 A47
<b>1.9:</b> Mental Math Strategies for Subtraction	
<b>1.10:</b> Use Place Value to Subtract	1. Subtract numbers up to three digits EHT 2. Subtract numbers up to three digits: word problems K88 3. Complete the subtraction sentence: up to three digits MD8
<b>1.11:</b> Combine Place Values to Subtract	1. Subtract numbers up to three digits EHT 2. Subtract numbers up to three digits: word problems K88

**1.12: Model Addition and Subtraction**

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# Chapter 2

## Represent and Interpret Data

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

# Chapter 3

## Understand Multiplication

Textbook section	IXL skills
<b>3.1:</b> Count Equal Groups	<ol style="list-style-type: none"><li>1. Count equal groups 9K7</li></ol>
<b>3.2:</b> Relate Addition and Multiplication	<ol style="list-style-type: none"><li>1. Identify multiplication expressions for equal groups 9AE</li><li>2. Write multiplication sentences for equal groups V98</li><li>3. Relate addition and multiplication for equal groups GGC</li><li>4. Relate addition and multiplication P74</li></ol>
<b>3.3:</b> Skip Count on a Number Line	<ol style="list-style-type: none"><li>1. Write multiplication sentences for number lines NTV</li></ol>
<b>3.4:</b> Model Multiplication	
<b>3.5:</b> Model with Arrays	<ol style="list-style-type: none"><li>1. Identify multiplication expressions for arrays HZL</li><li>2. Write multiplication sentences for arrays 5FZ</li><li>3. Make arrays to model multiplication PPR</li></ol>
<b>3.6:</b> Commutative Property of Multiplication	
<b>3.7:</b> Multiply with 0 and 1	<ol style="list-style-type: none"><li>1. Multiply by 0 BGK</li><li>2. Multiply by 1 CRE</li></ol>

# Chapter 4

## Multiplication Facts and Strategies

Textbook section	IXL skills
<b>4.1:</b> Multiply with 2 and 4	<ol style="list-style-type: none"> <li>Multiply by 2 94M</li> <li>Multiply by 4 5U6</li> </ol>
<b>4.2:</b> Multiply with 5 and 10	<ol style="list-style-type: none"> <li>Multiply by 5 Y9E</li> <li>Multiply by 10 6YD</li> </ol>
<b>4.3:</b> Multiply with 3 and 6	<ol style="list-style-type: none"> <li>Multiply by 3 38K</li> <li>Multiply by 6 SX6</li> <li>Multiplication tables for 2, 3, 4, 5, and 10 DW5</li> <li>Multiplication facts for 2, 3, 4, 5, and 10: true or false? 87M</li> <li>Multiplication facts for 2, 3, 4, 5, and 10: sorting REN</li> </ol>
<b>4.4:</b> Distributive Property	<ol style="list-style-type: none"> <li>Distributive property: find the missing factor 7VP</li> </ol>
<b>4.5:</b> Multiply with 7	<ol style="list-style-type: none"> <li>Multiply by 7 9PT</li> </ol>
<b>4.6:</b> Associative Property of Multiplication	<ol style="list-style-type: none"> <li>Properties of multiplication MPE</li> <li>Solve using properties of multiplication YPF</li> </ol>
<b>4.7:</b> Patterns on the Multiplication Table	
<b>4.8:</b> Multiply with 8	<ol style="list-style-type: none"> <li>Multiply by 8 SMR</li> </ol>
<b>4.9:</b> Multiply with 9	<ol style="list-style-type: none"> <li>Multiply by 9 SUH</li> <li>Multiplication tables for 6, 7, 8, and 9 XT7</li> <li>Multiplication facts for 6, 7, 8, and 9: true or false? EEY</li> <li>Multiplication facts for 6, 7, 8, and 9: sorting TZ7</li> <li>Multiplication tables up to 10 PNV</li> <li>Multiplication facts up to 10: true or false? 3K8</li> <li>Multiplication facts up to 10: sorting SUJ</li> </ol>

**4.10:** Problem Solving - Multiplication

1. Multiplication word problems 9TA
  2. Multiplication word problems: find the missing factor F6C
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# Chapter 5

## Use Multiplication Facts

Textbook section	IXL skills
<b>5.1:</b> Describe Patterns	<ol style="list-style-type: none"><li>1. Multiplication input/output tables 8CM</li><li>2. Multiplication input/output tables: find the rule D5U</li></ol>
<b>5.2:</b> Find Unknown Numbers	<ol style="list-style-type: none"><li>1. Multiplication facts for 2, 3, 4, 5, and 10: find the missing factor ZEY</li><li>2. Multiplication facts for 6, 7, 8, and 9: find the missing factor X7N</li><li>3. Multiplication facts up to 10: find the missing factor FZA</li></ol>
<b>5.3:</b> Problem Solving - Use the Distributive Property	<ol style="list-style-type: none"><li>1. Multiply using the distributive property 6W7</li></ol>
<b>5.4:</b> Multiplication Strategies with Multiples of 10	<ol style="list-style-type: none"><li>1. Multiply by a multiple of ten MS6</li></ol>
<b>5.5:</b> Multiply 1-Digit Numbers by Multiples of 10	<ol style="list-style-type: none"><li>1. Multiply by a multiple of ten MS6</li></ol>



# Chapter 6

## Understand Division

Textbook section	IXL skills
<b>6.1:</b> Problem Solving - Model Division	1. Divide by counting equal groups UYK
<b>6.2:</b> Size of Equal Groups	1. Divide by counting equal groups UYK
<b>6.3:</b> Number of Equal Groups	1. Divide by counting equal groups UYK
<b>6.4:</b> Model with Bar Models	1. Write division sentences for groups FSX
<b>6.5:</b> Relate Subtraction and Division	
<b>6.6:</b> Model with Arrays	1. Write division sentences for arrays 8RW
<b>6.7:</b> Relate Multiplication and Division	1. Relate multiplication and division for arrays XSK
<b>6.8:</b> Write Related Facts	1. Relate multiplication and division 67L
<b>6.9:</b> Division Rules for 1 and 0	1. Divide by 1 VTL

# Chapter 7

## Division Facts and Strategies

Textbook section	IXL skills
<b>7.1:</b> Divide by 2	1. Divide by 2 ANU
<b>7.2:</b> Divide by 10	1. Divide by 10 YRG
<b>7.3:</b> Divide by 5	1. Divide by 5 C9M
<b>7.4:</b> Divide by 3	1. Divide by 3 PCL
<b>7.5:</b> Divide by 4	1. Divide by 4 QGT 2. Division facts for 2, 3, 4, 5, and 10 2JB 3. Division facts for 2, 3, 4, 5, and 10: true or false? YSD 4. Division facts for 2, 3, 4, 5, and 10: sorting XDN
<b>7.6:</b> Divide by 6	1. Divide by 6 97S
<b>7.7:</b> Divide by 7	1. Divide by 7 D2F
<b>7.8:</b> Divide by 8	1. Divide by 8 CVD
<b>7.9:</b> Divide by 9	1. Divide by 9 RTB 2. Division facts for 6, 7, 8, and 9 U2C 3. Division facts for 6, 7, 8, and 9: true or false? DBB 4. Division facts for 6, 7, 8, and 9: sorting KQR 5. Division facts up to 10 M8T 6. Division facts up to 10: true or false? MPV 7. Division facts up to 10: sorting CYJ
<b>7.10:</b> Problem Solving - Two-Step Problems	1. Addition, subtraction, multiplication, and division word problems X8W 2. Two-step mixed operation word problems SRL
<b>7.11:</b> Order of Operations	1. Perform multiple operations with whole numbers UKB

# Chapter 8

## Understand Fractions

Textbook section	IXL skills
<b>8.1:</b> Equal Parts of a Whole	1. Identify equal parts FHY
<b>8.2:</b> Equal Shares	
<b>8.3:</b> Unit Fractions of a Whole	1. Match unit fractions to models CPK 2. Unit fractions: modeling word problems UV8 3. Unit fractions: word problems HM7
<b>8.4:</b> Fractions of a Whole	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 fractions to models: halves, thirds, and fourths Y55 6. Match fractions to models YHL 7. Fractions of a whole: modeling word problems 9PU 8. Fractions of a whole: word problems BV7
<b>8.5:</b> Fractions on a Number Line	1. Fractions of number lines: unit fractions TBX 2. Fractions of number lines J8M 3. Identify unit fractions on number lines JVC 4. Identify fractions on number lines AWH 5. Graph unit fractions on number lines CBW 6. Graph fractions on number lines 7QM
<b>8.6:</b> Relate Fractions and Whole Numbers	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
<b>8.7:</b> Fractions of a Group	1. 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
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**8.9:** Problem Solving - Find the Whole Group Using Unit Fractions

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# Chapter 9

## Compare Fractions

Textbook section	IXL skills
<b>9.1:</b> Problem Solving - Compare Fractions	1. Compare fractions in recipes 9BK
<b>9.2:</b> Compare Fractions with the Same Denominator	1. Graph smaller or larger fractions on a number line 2PH 2. Graph and compare fractions with like denominators on number lines 63U
<b>9.3:</b> Compare Fractions with the Same Numerators	1. Graph and compare fractions with like numerators on number lines ZPD
<b>9.4:</b> Compare Fractions	1. Compare fractions using models MJ2 2. Compare fractions using number lines 38T 3. Graph and compare fractions on number lines 6H5 4. Compare fractions 78D
<b>9.5:</b> Compare and Order Fractions	1. Order fractions with like denominators HYZ 2. Order fractions with like numerators PCW 3. Order fractions GBA
<b>9.6:</b> Model Equivalent Fractions	1. Identify equivalent fractions on number lines HYM 2. Find equivalent fractions using number lines JL8 3. Graph equivalent fractions on number lines WPQ
<b>9.7:</b> Equivalent Fractions	1. Find equivalent fractions using area models: two models ZJ2 2. Identify equivalent fractions 7DA 3. Find equivalent fractions WMX

# Chapter 10

## Time, Length, Liquid Volume, and Mass

Textbook section	IXL skills
<b>10.1:</b> Time to the Minute	<ol style="list-style-type: none"><li>1. Match clocks and times LPT</li><li>2. Read clocks and write times 5ZQ</li><li>3. Write times EQS</li></ol>
<b>10.2:</b> A.M. and P.M.	<ol style="list-style-type: none"><li>1. A.M. or P.M. MUC</li></ol>
<b>10.3:</b> Measure Time Intervals	
<b>10.4:</b> Use Time Intervals	<ol style="list-style-type: none"><li>1. Elapsed time: find the end time U7B</li></ol>
<b>10.5:</b> Problem Solving - Time Intervals	<ol style="list-style-type: none"><li>1. Elapsed time word problems I V9D</li></ol>
<b>10.6:</b> Measure Length	<ol style="list-style-type: none"><li>1. Create line plots with fractions YUR</li><li>2. Measure using an inch ruler LC2</li></ol>
<b>10.7:</b> Estimate and Measure Liquid Volume	
<b>10.8:</b> Estimate and Measure Mass	<ol style="list-style-type: none"><li>1. Which metric unit of weight is appropriate? PTF</li></ol>
<b>10.9:</b> Solve Problems About Liquid Volume and Mass	

# Chapter 11

## Perimeter and Area

Textbook section	IXL skills
<b>11.1:</b> Model Perimeter	
<b>11.2:</b> Find Perimeter	<ol style="list-style-type: none"> <li>1. Perimeter of rectangles ZJT</li> <li>2. Perimeter of rectilinear shapes 65Z</li> <li>3. Perimeter of polygons LLY</li> </ol>
<b>11.3:</b> Algebra - Find Unknown Side Lengths	<ol style="list-style-type: none"> <li>1. Perimeter: find the missing side length T2V</li> <li>2. Perimeter: word problems CLD</li> </ol>
<b>11.4:</b> Understand Area	<ol style="list-style-type: none"> <li>1. Find the area of figures made of unit squares FLQ</li> <li>2. Select figures with a given area XR6</li> <li>3. Select two figures with the same area 7GW</li> <li>4. Create rectangles with a given area V73</li> </ol>
<b>11.5:</b> Measure Area	<ol style="list-style-type: none"> <li>1. Find the area of figures made of unit squares FLQ</li> <li>2. Select figures with a given area XR6</li> </ol>
<b>11.6:</b> Use Area Models	
<b>11.7:</b> Problem Solving - Area of Rectangles	<ol style="list-style-type: none"> <li>1. Find the area of rectangles: word problems 5HA</li> </ol>
<b>11.8:</b> Area of Combined Rectangles	
<b>11.9:</b> Same Perimeter, Different Area	<ol style="list-style-type: none"> <li>1. Relationship between area and perimeter II KNR</li> </ol>
<b>11.10:</b> Same Area, Different Perimeters	<ol style="list-style-type: none"> <li>1. Relationship between area and perimeter I ZWF</li> </ol>

# Chapter 12

## Two Dimensional Shapes

Textbook section	IXL skills
<b>12.1:</b> Describe Plane Shapes	<ol style="list-style-type: none"> <li>1. Open and closed shapes 9PS</li> <li>2. Lines, line segments, and rays 24L</li> </ol>
<b>12.2:</b> Describe Angles in Plane Shapes	<ol style="list-style-type: none"> <li>1. Angles greater than, less than, or equal to a right angle 2YR</li> </ol>
<b>12.3:</b> Identify Polygons	<ol style="list-style-type: none"> <li>1. Identify two-dimensional shapes JBT</li> <li>2. Count and compare sides and vertices GWA</li> <li>3. Is it a polygon? C2P</li> </ol>
<b>12.4:</b> Describe Sides of Polygons	<ol style="list-style-type: none"> <li>1. Parallel, perpendicular, and intersecting lines 9SX</li> </ol>
<b>12.5:</b> Classify Quadrilaterals	<ol style="list-style-type: none"> <li>1. Parallel sides in quadrilaterals 6E9</li> <li>2. Identify parallelograms V6L</li> <li>3. Identify trapezoids 67A</li> <li>4. Identify rectangles 47T</li> <li>5. Identify rhombuses ZSD</li> <li>6. Classify quadrilaterals CNJ</li> </ol>
<b>12.6:</b> Draw Quadrilaterals	
<b>12.7:</b> Describe Triangles	
<b>12.8:</b> Problem Solving - Classify Plane Shapes	
<b>12.9:</b> Relate Shapes, Fractions, and Area	