



# IXL Skill Alignment

2nd grade alignment for My Math



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# Chapter 1

## Apply Addition and Subtraction Concepts

Textbook section	IXL skills
<b>Lesson 1:</b> Addition Properties	<ol style="list-style-type: none"> <li>1. Match addition sentences and models - sums to 10 A2L</li> <li>2. Add one-digit numbers 5C6</li> <li>3. Related addition facts YDX</li> </ol>
<b>Lesson 2:</b> Count On to Add	<ol style="list-style-type: none"> <li>1. Addition sentences using number lines - sums up to 20 FXF</li> </ol>
<b>Lesson 3:</b> Doubles and Near Doubles	<ol style="list-style-type: none"> <li>1. Add doubles using models S57</li> <li>2. Add doubles 8Z7</li> <li>3. Add using doubles plus or minus one A8U</li> </ol>
<b>Lesson 4:</b> Make a 10	
<b>Lesson 5:</b> Add Three Numbers	<ol style="list-style-type: none"> <li>1. Add three one-digit numbers YCC</li> </ol>
<b>Lesson 6:</b> Problem Solving	<p><b>Addition</b></p> <ol style="list-style-type: none"> <li>1. Addition word problems - sums to 20 EN6</li> <li>2. Addition sentences for word problems - sums to 20 VSF</li> </ol> <p><b>Subtraction</b></p> <ol style="list-style-type: none"> <li>3. Subtraction word problems - up to 18 2FD</li> <li>4. Subtraction sentences for word problems - up to 18 AZ8</li> </ol>
<b>Lesson 7:</b> Count Back to Subtract	<ol style="list-style-type: none"> <li>1. Subtraction sentences using number lines - up to 20 GUZ</li> </ol>
<b>Lesson 8:</b> Subtract All and Subtract Zero	<ol style="list-style-type: none"> <li>1. Subtract zero/all ZG2</li> </ol>
<b>Lesson 9:</b> Use Doubles to Subtract	<ol style="list-style-type: none"> <li>1. Subtract doubles BEV</li> </ol>
<b>Lesson 10:</b> Relate Addition and Subtraction	<ol style="list-style-type: none"> <li>1. Relate addition and subtraction sentences PRS</li> </ol>



**Lesson 11:** Missing Addends

1. Complete the addition sentence - sums to 20 MQX

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**Lesson 12:** Fact Families

1. Fact families NSN

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**Lesson 13:** Two-Step Word Problems

1. Add three one-digit numbers: word problems VJ9
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# Chapter 2

## Number Patterns

Textbook section	IXL skills
<b>Lesson 1:</b> Skip Count on a Hundred Chart	1. Hundreds chart LHN
<b>Lesson 2:</b> Skip Count by 2's, 5's, and 10's	1. Skip-counting by twos, fives, and tens CBC 2. Count forward and backward by twos, fives, and tens PVB
<b>Lesson 3:</b> Problem Solving	1. Skip-counting puzzles U6J 2. Skip-counting stories SSL
<b>Lesson 4:</b> Repeated Addition	
<b>Lesson 5:</b> Repeated Addition with Arrays	<p><b>Sums to 10</b></p> <p>1. Identify repeated addition in arrays: sums to 10 F7E</p> <p>2. Write addition sentences for arrays: sums to 10 Z7N</p> <p><b>Sums to 25</b></p> <p>3. Identify repeated addition in arrays: sums to 25 EUS</p> <p>4. Write addition sentences for arrays: sums to 25 W8T</p>
<b>Lesson 6:</b> Even and Odd Numbers	1. Even or odd 54Z
<b>Lesson 7:</b> Sums of Equal Numbers	1. Add doubles - complete the sentence S46

# Chapter 3

## Add Two-Digit Numbers

Textbook section	IXL skills
<b>Lesson 1:</b> Take Apart Tens to Add	
<b>Lesson 2:</b> Regroup Ones and Tens	1. Regroup tens and ones 5LV
<b>Lesson 3:</b> Add to a Two-Digit Number	<p><b>Without regrouping</b></p> <ol style="list-style-type: none"> <li>1. Use models to add a two-digit and a one-digit number - without regrouping QC9</li> <li>2. Add a two-digit and a one-digit number - without regrouping EZ7</li> </ol> <p><b>With regrouping</b></p> <ol style="list-style-type: none"> <li>3. Use models to add a two-digit and a one-digit number - with regrouping URQ</li> <li>4. Add a two-digit and a one-digit number - with regrouping 8BT</li> </ol>
<b>Lesson 4:</b> Add Two-Digit Numbers	<p><b>Without regrouping</b></p> <ol style="list-style-type: none"> <li>1. Use models to add two-digit numbers - without regrouping GK2</li> <li>2. Add two-digit numbers without regrouping - sums to 100 TX5</li> </ol> <p><b>With regrouping</b></p> <ol style="list-style-type: none"> <li>3. Add two-digit numbers with regrouping - sums to 100 GLX</li> <li>4. Use models to add two-digit numbers - with regrouping QL8</li> </ol>
<b>Lesson 5:</b> Rewrite Two-Digit Addition	
<b>Lesson 6:</b> Add Three and Four Two-Digit Numbers	<ol style="list-style-type: none"> <li>1. Add three numbers up to two digits each YTH</li> <li>2. Add four numbers up to two digits each DP6</li> </ol>
<b>Lesson 7:</b> Problem Solving	<ol style="list-style-type: none"> <li>1. Addition word problems - up to two digits XAT</li> <li>2. Write the addition sentence - up to two digits 5FM</li> </ol>

3. Add three numbers up to two digits each: word problems 52T

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# Chapter 4

## Subtract Two-Digit Numbers

Textbook section	IXL skills
<b>Lesson 1:</b> Two-Digit Fact Families	1. Fact families NSN
<b>Lesson 2:</b> Take Apart Tens to Subtract	
<b>Lesson 3:</b> Regroup a Ten as Ones	
<b>Lesson 4:</b> Subtract From a Two-Digit Number	1. Subtract a one-digit number from a two-digit number - without regrouping L8D 2. Subtract a one-digit number from a two-digit number - with regrouping P85
<b>Lesson 5:</b> Subtract Two-Digit Numbers	1. Subtract two two-digit numbers - without regrouping R8C 2. Subtract two two-digit numbers - with regrouping TWE
<b>Lesson 6:</b> Rewrite Two-Digit Subtraction	
<b>Lesson 7:</b> Check Subtraction	
<b>Lesson 8:</b> Problem Solving	1. Subtraction word problems - up to two digits UFU 2. Write the subtraction sentence - up to two digits ZQH
<b>Lesson 9:</b> Two-Step Word Problems	1. Two-step addition and subtraction word problems - up to 100 7P8

# Chapter 5

## Place Value to 1,000

### Textbook section

### IXL skills

#### Lesson 1: Hundreds

#### Lesson 2: Hundreds, Tens, and Ones

#### Place value

1. Place value - up to hundreds BDF
2. Identify a digit up to the hundreds place 45U

#### Place value models

3. Place value models - up to hundreds PBX

#### Convert between place values

4. Convert to/from a number - up to hundreds HUX
5. Convert from expanded form - up to hundreds LG5

#### Lesson 3: Place Value to 1,000

1. Convert from expanded form - up to hundreds LG5

#### Lesson 4: Problem Solving

#### Lesson 5: Read and Write Numbers to 1,000

#### Numbers up to 100

1. Writing numbers up to 100 in words - convert words to digits 2FT
2. Writing numbers up to 100 in words - convert digits to words VPG

#### Numbers up to 1,000

3. Writing numbers up to 1,000 in words - convert words to digits JKD
4. Writing numbers up to 1,000 in words - convert digits to words VPQ

#### Lesson 6: Count by 5s, 10s, and 100s

1. Count forward and backward by fives, tens, and hundreds R5A

#### Lesson 7: Compare Numbers to 1,000

1. Comparing numbers up to 1,000 XF9
2. Greatest and least - word problems - up to 1,000 6QX



# Chapter 6

## Add Three-Digit Numbers

Textbook section	IXL skills
<b>Lesson 1:</b> Make a Hundred to Add	
<b>Lesson 2:</b> Add Hundreds	1. Add multiples of 100 85Z
<b>Lesson 3:</b> Mentally Add 10 or 100	1. Input/output tables - add 10 ABR
<b>Lesson 4:</b> Regroup Ones to Add	
<b>Lesson 5:</b> Regroup Tens to Add	
<b>Lesson 6:</b> Add Three-Digit Numbers	<p><b>Without regrouping</b></p> <p>1. Use models to add three-digit numbers - without regrouping Q7V</p> <p><b>With regrouping</b></p> <p>2. Use models to add three-digit numbers - with regrouping KUG</p> <p>3. Addition with three-digit numbers ETW</p>
<b>Lesson 7:</b> Rewrite Three Digit Addition	
<b>Lesson 8:</b> Problem Solving	<p>1. Addition word problems - up to three digits UV2</p> <p>2. Write the addition sentence - up to three digits PQT</p>

# Chapter 7

## Subtract Three-Digit Numbers

Textbook section	IXL skills
<b>Lesson 1:</b> Take Apart Hundreds to Subtract	
<b>Lesson 2:</b> Subtract Hundreds	<ol style="list-style-type: none"><li>1. Subtract multiples of 100 2E2</li><li>2. Input/output tables - add and subtract by 100 C97</li></ol>
<b>Lesson 3:</b> Mentally Subtract 10 or 100	<ol style="list-style-type: none"><li>1. Input/output tables - add and subtract by 10 or 100 6XK</li></ol>
<b>Lesson 4:</b> Regroup Tens	
<b>Lesson 5:</b> Regroup Hundreds	
<b>Lesson 6:</b> Subtract Three-Digit Numbers	<ol style="list-style-type: none"><li>1. Subtract three-digit numbers ZVR</li></ol>
<b>Lesson 7:</b> Rewrite Three-Digit Subtraction	
<b>Lesson 8:</b> Problem Solving	<ol style="list-style-type: none"><li>1. Subtraction word problems - up to three digits ZMA</li><li>2. Write the subtraction sentence - up to three digits 5B3</li></ol>
<b>Lesson 9:</b> Subtract Across Zeros	

# Chapter 8

## Money

Textbook section	IXL skills
<b>Lesson 1:</b> Pennies, Nickels, and Dimes	1. Count money - pennies, nickels, and dimes only AVN
<b>Lesson 2:</b> Quarters	<b>Identify coins</b> 1. Names and values of common coins 2QM <b>Count coins</b> 2. Count money - up to \$1 DGK
<b>Lesson 3:</b> Count Coins	1. Equivalent amounts of money - up to \$1 MGA
<b>Lesson 4:</b> Problem Solving	1. Purchases - do you have enough money - up to \$1 F62
<b>Lesson 5:</b> Dollars	1. How much more to make a dollar? V9L 2. Exchanging money - with pictures VZD

# Chapter 9

## Data Analysis

Textbook section	IXL skills
<b>Lesson 1:</b> Take a Survey	<ol style="list-style-type: none"><li>1. Which tally chart is correct? 9DN</li><li>2. Interpret tally charts 2VQ</li></ol>
<b>Lesson 2:</b> Make Picture Graphs	<ol style="list-style-type: none"><li>1. Create pictographs I NM5</li></ol>
<b>Lesson 3:</b> Analyze Picture Graphs	<ol style="list-style-type: none"><li>1. Interpret pictographs I QDT</li></ol>
<b>Lesson 4:</b> Make Bar Graphs	<ol style="list-style-type: none"><li>1. Create bar graphs 6KD</li></ol>
<b>Lesson 5:</b> Analyze Bar Graphs	<ol style="list-style-type: none"><li>1. Interpret bar graphs I RPD</li><li>2. Interpret bar graphs II 8CH</li><li>3. Which bar graph is correct? BMG</li></ol>
<b>Lesson 6:</b> Problem Solving	<ol style="list-style-type: none"><li>1. Interpret data in tables LH7</li></ol>
<b>Lesson 7:</b> Make Line Plots	<ol style="list-style-type: none"><li>1. Create line plots F2U</li></ol>
<b>Lesson 8:</b> Analyze Line Plots	<ol style="list-style-type: none"><li>1. Interpret line plots HY6</li></ol>

# Chapter 10

## Time

Textbook section	IXL skills
<b>Lesson 1:</b> Time to the Hour	<ol style="list-style-type: none"><li>1. Match analog and digital clocks: to the hour BCR</li><li>2. Read clocks and write times: to the hour HWN</li></ol>
<b>Lesson 2:</b> Time to the Half Hour	<ol style="list-style-type: none"><li>1. Read clocks and write times: hour and half hour AQW</li></ol>
<b>Lesson 3:</b> Problem Solving	<ol style="list-style-type: none"><li>1. Elapsed time I UDE</li></ol>
<b>Lesson 4:</b> Time to the Quarter Hour	<ol style="list-style-type: none"><li>1. Time words: o'clock, half, quarter 5TA</li></ol>
<b>Lesson 5:</b> Time to Five Minute Intervals	<ol style="list-style-type: none"><li>1. Match digital clocks and times 36N</li><li>2. Match analog clocks and times D9K</li><li>3. Match analog and digital clocks HKL</li><li>4. Read clocks and write times K7F</li></ol>
<b>Lesson 6:</b> A.M. or P. M.	<ol style="list-style-type: none"><li>1. A.M. or P.M. EJV</li></ol>

# Chapter 11

## Customary and Metric Lengths

Textbook section	IXL skills
<b>Lesson 1:</b> Inches	1. Measure using an inch ruler 88A
<b>Lesson 2:</b> Feet and Yards	1. Which customary unit of length is appropriate: inches, feet, or yards? GKJ
<b>Lesson 3:</b> Select and Use Customary Tools	
<b>Lesson 4:</b> Compare Customary Lengths	1. Customary units of length: word problems GSF
<b>Lesson 5:</b> Relate Inches, Feet, and Yards	
<b>Lesson 6:</b> Problem Solving	1. Customary units of length: word problems GSF
<b>Lesson 7:</b> Centimeters and Meters	1. Measure using a centimeter ruler 7WA
<b>Lesson 8:</b> Select and Use Metric Tools	
<b>Lesson 9:</b> Compare Metric Lengths	1. Metric units of length: word problems KJ5
<b>Lesson 10:</b> Relate Centimeters and Meters	1. Which metric unit of length is appropriate? SKH
<b>Lesson 11:</b> Measure on a Number Line	
<b>Lesson 12:</b> Measurement Data	

# Chapter 12

## Geometric Shapes and Equal Shares

Textbook section	IXL skills
<b>Lesson 1:</b> Two-Dimensional Shapes	<ol style="list-style-type: none"> <li>1. Name the two-dimensional shape 2FK</li> <li>2. Select two-dimensional shapes DWL</li> </ol>
<b>Lesson 2:</b> Sides and Angles	<ol style="list-style-type: none"> <li>1. Count sides and vertices EAQ</li> <li>2. Compare sides and vertices G9N</li> <li>3. Equal sides D6K</li> </ol>
<b>Lesson 3:</b> Problem Solving	
<b>Lesson 4:</b> Three-Dimensional Shapes	<p><b>Three-dimensional shapes</b></p> <ol style="list-style-type: none"> <li>1. Name the three-dimensional shape 9E9</li> <li>2. Select three-dimensional shapes FAL</li> </ol> <p><b>Three-dimensional shapes and everyday objects</b></p> <ol style="list-style-type: none"> <li>3. Shapes of everyday objects I 9VC</li> <li>4. Shapes of everyday objects II 63Q</li> </ol>
<b>Lesson 5:</b> Faces, Edges, and Vertices	<ol style="list-style-type: none"> <li>1. Count vertices, edges, and faces X72</li> <li>2. Compare vertices, edges, and faces DPT</li> </ol>
<b>Lesson 6:</b> Relate Shapes and Solids	<ol style="list-style-type: none"> <li>1. Identify faces of three-dimensional shapes QSR</li> <li>2. Identify shapes traced from solids MRD</li> </ol>
<b>Lesson 7:</b> Halves, Thirds, and Fourths	<p><b>Identify equal parts</b></p> <ol style="list-style-type: none"> <li>1. Equal parts H5R</li> </ol> <p><b>Identify halves, thirds, and fourths</b></p> <ol style="list-style-type: none"> <li>2. Identify halves EZ2</li> <li>3. Identify thirds EMA</li> <li>4. Identify fourths V5Q</li> <li>5. Identify halves, thirds, and fourths 24W</li> </ol> <p><b>Make halves, thirds, and fourths</b></p> <ol style="list-style-type: none"> <li>6. Make halves XME</li> </ol>

7. Make thirds 65F
8. Make fourths QZ9
9. Make halves, thirds, and fourths QD2
10. Make halves, thirds, and fourths in different ways 6SG

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**Lesson 8:** Area

1. Area 73H
  2. Tile a rectangle with squares 2VD
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