



# IXL Skill Alignment

1st Grade alignment for Math in Focus



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# Chapter 1

## Numbers to 10

### Textbook section

### IXL skills

#### Lesson 1.1: Counting to 10

1. Counting review - up to 10 A6X
2. Show numbers on ten frames - up to 10 8ET
3. Count forward and backward - up to 10 8GC
4. Writing numbers with digits and words - up to 10 Z7G

#### *Also consider*

- Count to fill a ten frame 6CB

#### Lesson 1.2: Comparing Numbers

1. Comparing - review PRR
2. Fewer, more, and same NMX
3. Compare numbers up to 10 using words 2PE

#### *Also consider*

- Comparison word problems C7Q

#### Lesson 1.3: Number Patterns

1. One more and one less on frames - up to 10 PQ7
2. Complete a sequence - up to 10 5F5

# Chapter 2

## Addition and Subtraction Within 10

Textbook section	IXL skills
<b>Lesson 2.1:</b> Making Number Bonds	<ol style="list-style-type: none"> <li>1. Decompose a number up to 10 XD9</li> </ol>
<b>Lesson 2.2:</b> Ways to Add	<ol style="list-style-type: none"> <li>1. Add with cubes - sums up to 10 E8D</li> <li>2. Addition sentences up to 10: what does the model show? F9B</li> <li>3. Addition facts - sums up to 10 WUL</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Add with pictures - sums up to 10 H6S</li> <li>• Addition sentences up to 10: which model matches? E5U</li> </ul>
<b>Lesson 2.3:</b> Making Addition Stories	<ol style="list-style-type: none"> <li>1. Addition word problems with pictures - sums up to 10 F6L</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Make a number using addition - sums up to 10 VSE</li> <li>• Ways to make a number - addition sentences up to 10 K48</li> </ul>
<b>Lesson 2.4:</b> Real-World Problems: Addition	<ol style="list-style-type: none"> <li>1. Addition word problems - sums up to 10 P6D</li> <li>2. Addition sentences for word problems - sums up to 10 ZE8</li> </ol>
<b>Lesson 2.5:</b> Ways to Subtract	<ol style="list-style-type: none"> <li>1. Subtract with cubes - up to 10 5JT</li> <li>2. Subtraction sentences up to 10: what does the model show? 2AY</li> <li>3. Relate addition and subtraction sentences - up to 10 TBD</li> <li>4. Subtraction facts - up to 10 EQK</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Subtract with pictures - up to 10 Y2Z</li> <li>• Subtraction sentences up to 10: which model matches? MGG</li> </ul>

- Subtraction sentences using number lines - up to 10 LRN

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**Lesson 2.6:** Making Subtraction Stories

1. Subtraction word problems with pictures - up to 10 GA9

*Also consider*

- Make a number using subtraction - up to 10 RSR
- Ways to make a number - subtraction sentences up to 10 BTB
- Ways to subtract from a number - subtraction sentences up to 10 ZZD

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**Lesson 2.7:** Real-World Problems: Subtraction

1. Subtraction word problems - up to 10 7NL
2. Subtraction sentences for word problems - up to 10 R2J

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**Lesson 2.8:** Making Fact Families

1. Fact families - up to 10 2FC
2. Related addition and subtraction facts VKS
3. Addition and subtraction sentences: which is true? - up to 10 GFR

*Also consider*

- Complete the addition sentence - sums up to 10 N2N
  - Complete the subtraction sentence - up to 10 J6J
  - Which sign makes the number sentence true? - up to 10 BAV
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# Chapter 3

## Shapes and Patterns

Textbook section	IXL skills
<b>Lesson 3.1:</b> Exploring Flat Shapes	<ol style="list-style-type: none"> <li>1. Name the two-dimensional shape MRF</li> <li>2. Select two-dimensional shapes HV6</li> <li>3. Count sides and corners VUQ</li> <li>4. Make halves and fourths X5A</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>• Count shapes in a Venn diagram PNU</li> <li>• Compare sides and corners EML</li> <li>• Identify halves and fourths WVJ</li> </ul>
<b>Lesson 3.2:</b> Exploring Solid Shapes	<ol style="list-style-type: none"> <li>1. Name the three-dimensional shape 26D</li> <li>2. Select three-dimensional shapes J8A</li> </ol>
<b>Lesson 3.3:</b> Using Shapes to Make Pictures and Models	<ol style="list-style-type: none"> <li>1. Compose two-dimensional shapes YEU</li> </ol>
<b>Lesson 3.4:</b> Seeing Shapes Around Us	<ol style="list-style-type: none"> <li>1. Shapes of everyday objects I ZCN</li> <li>2. Shapes of everyday objects II LFC</li> <li>3. Identify faces of three-dimensional shapes RPX</li> <li>4. Identify shapes traced from solids NXF</li> </ol>
<b>Lesson 3.5:</b> Using Flat Shapes to Make Patterns	<ol style="list-style-type: none"> <li>1. Find the next shape in a pattern AG5</li> <li>2. Complete a pattern HHW</li> <li>3. Make a pattern QZE</li> </ol>
<b>Lesson 3.6:</b> Using Solid Shapes to Make Patterns	

# Chapter 4

## Numbers to 20

Textbook section	IXL skills
<b>Lesson 4.1:</b> Counting to 20	<ol style="list-style-type: none"><li>1. Counting review - up to 20 QRF</li><li>2. Writing numbers with digits and words - up to 20 LWV</li></ol>
<b>Lesson 4.2:</b> Place Value	<ol style="list-style-type: none"><li>1. Place value models up to 20 YPB</li><li>2. Counting tens and ones - up to 20 GU6</li><li>3. Write numbers as tens and ones up to 20 5HL</li></ol>
<b>Lesson 4.3:</b> Comparing and Ordering Numbers	<ol style="list-style-type: none"><li>1. Compare numbers up to 20 using words WMM</li><li>2. Compare numbers up to 20 using symbols Z53</li><li>3. Put numbers in order - up to 20 CCX</li></ol>
<b>Lesson 4.4:</b> Number Patterns	<ol style="list-style-type: none"><li>1. Sequences - count up or down by 1 or 2 UNH</li><li>2. Complete a sequence - up to 20 N78</li></ol>

# Chapter 5

## Addition and Subtraction Within 20

### Textbook section

### IXL skills

#### Lesson 5.1: Ways to Add Fluently

1. Add doubles DFT
2. Use ten to add - sums up to 20 AJ6
3. Add using doubles plus one XAY
4. Addition facts - sums up to 20 6TM

#### Also consider

- Make a number using addition - sums up to 20 UMX
- Add doubles - with models HRW
- Add doubles - complete the sentence TAZ

#### Lesson 5.2: Ways to Subtract Fluently

1. Relate addition and subtraction sentences DM2
2. Addition and subtraction sentences: which is true? QVL
3. Subtraction facts - up to 20 PV5

#### Also consider

- Fact families WD2
- Make a number using subtraction - up to 20 JJS
- Complete the subtraction sentence - up to 20 ZSR
- Which sign makes the number sentence true? 7JY

#### Lesson 5.3: Real-World Problems: Addition and Subtraction

1. Addition and subtraction word problems - up to 20 VJR

#### Also consider

- Addition sentences for word problems - sums up to 20 N5N
- Subtraction sentences for word problems - up to 20 LJA

# Chapter 6

## Numbers to 40

Textbook section	IXL skills
<b>Lesson 6.1:</b> Counting to 40	<ol style="list-style-type: none"><li>1. Count on ten frames - up to 40 W TZ</li><li>2. Writing numbers with digits and words - up to 40 EQW</li></ol>
<b>Lesson 6.2:</b> Place Value	<ol style="list-style-type: none"><li>1. Place value models up to 40 GKH</li><li>2. Write numbers as tens and ones - up to 40 G6R</li></ol>
<b>Lesson 6.3:</b> Comparing, Ordering, and Number Patterns	<ol style="list-style-type: none"><li>1. Compare numbers up to 30 using words EDF</li><li>2. Compare numbers up to 30 using symbols TKM</li><li>3. Put numbers in order - up to 40 BHR</li></ol>



# Chapter 7

## Calendar and Time

### Textbook section

### IXL skills

#### Lesson 7.1: Using a Calendar

1. Read a calendar I Y2K
2. Days of the week LWC
3. Months of the year 7XE
4. Seasons of the year XGV

#### *Also consider*

- Read a calendar II XKU

#### Lesson 7.2: Telling Time to the Hour

1. Match analog and digital clocks: to the hour 7B8
2. Read clocks and write times: to the hour 63H
3. Times of everyday events BXM

#### Lesson 7.3: Telling Time to the Half Hour

1. Match analog and digital clocks 7N3
2. Read clocks and write times UJM

#### *Also consider*

- Match digital clocks and times KKM
- Match analog clocks and times 5FJ
- A.M. or P.M. 7KN
- Compare clocks VRW
- Time and clocks: word problems NPR

# Chapter 8

## Addition and Subtraction Within 40

Textbook section	IXL skills
<b>Lesson 8.1:</b> Addition Without Regrouping	<ol style="list-style-type: none"> <li>1. Use models to add a two-digit and a one-digit number - without regrouping - sums to 40 H5Y</li> <li>2. Add a one-digit number to a two-digit number - without regrouping - sums to 40 SJK</li> <li>3. Use ten to add a multiple of ten and a two-digit number XZL</li> <li>4. Add two-digit numbers without regrouping - sums to 40 L7X</li> </ol>
<b>Lesson 8.2:</b> Addition with Regrouping	<ol style="list-style-type: none"> <li>1. Use models to add a two-digit and a one-digit number - with regrouping - sums to 40 DVA</li> <li>2. Add a one-digit number to a two-digit number - with regrouping - sums to 40 LSY</li> <li>3. Add two-digit numbers with regrouping - sums to 40 Y8V</li> <li>4. Add three numbers RL2</li> </ol>
<b>Lesson 8.3:</b> Subtraction Without Regrouping	<ol style="list-style-type: none"> <li>1. Subtract a one-digit number from a two-digit number - without regrouping - up to 40 PK6</li> <li>2. Subtract two two-digit numbers - without regrouping - up to 40 UMN</li> </ol>
<b>Lesson 8.4:</b> Subtraction with Regrouping	<ol style="list-style-type: none"> <li>1. Subtract a one-digit number from a two-digit number - with regrouping - up to 40 L6M</li> <li>2. Subtract two two-digit numbers - with regrouping - up to 40 GHN</li> </ol>
<b>Lesson 8.5:</b> Real-World Problems: Addition and Subtraction	<ol style="list-style-type: none"> <li>1. Addition and subtraction word problems - up to 40 36T</li> <li>2. Add three numbers - word problems Z7S</li> </ol>
<b>Lesson 8.6:</b> Getting Ready for Multiplication	<ol style="list-style-type: none"> <li>1. Count equal groups Z6F</li> <li>2. Write addition sentences for arrays: sums to 25 YHG</li> </ol>

# Chapter 9

## Length and Weight

Textbook section	IXL skills
<b>Lesson 9.1:</b> Comparing Lengths	1. Compare objects: length and height - 2 objects only C99
<b>Lesson 9.2:</b> Comparing More Lengths	1. Compare objects: length and height D7U
<b>Lesson 9.3:</b> Using a Start Line	
<b>Lesson 9.4:</b> Measuring Length	1. Measure length with objects GWG
<b>Lesson 9.5:</b> Measuring Length in Units	1. Measure length with cubes FBV 2. Measure height with cubes BLM
<b>Lesson 9.6:</b> Comparing Weights	1. Light and heavy P8W
<b>Lesson 9.7:</b> Measuring Weight	
<b>Lesson 9.8:</b> Measuring Weight in Units	

# Chapter 10

## Numbers to 120

### Textbook section

### IXL skills

#### Lesson 10.1: Counting to 120

1. Counting tens and ones - up to 99 EAN
2. Counting forward - up to 120 VZR
3. Writing numbers in words - convert words to digits Y85
4. Writing numbers in words - convert digits to words YVK

#### *Also consider*

- Skip-counting by tens N89
- Counting - up to 100 SUW
- Estimate to the nearest ten 9G2

#### Lesson 10.2: Place Value

1. Place value models up to 100 5CG
2. Write numbers as tens and ones 7WF
3. Regroup tens and ones - ways to make a number FCJ

#### Lesson 10.3: Comparing, Ordering, and Number Patterns

1. Compare numbers up to 100 using words BWC
2. Compare numbers up to 100 using symbols FU5
3. Put numbers in order PB7
4. Sequences - count up and down by 1, 2, 5, and 10 8PY

#### *Also consider*

- Counting on the hundred chart XUD
- Hundred chart 64Q
- Number lines - up to 100 MVE

# Chapter 11

## Addition and Subtraction Within 100

### Textbook section

### IXL skills

#### Lesson 11.1: Addition Without Regrouping

1. Add a one-digit number to a two-digit number - without regrouping 5VX
2. Add two multiples of ten EMK
3. Add a multiple of ten and a two-digit number LNL
4. Add two-digit numbers without regrouping - sums to 100 VZW

#### *Also consider*

- Use models to add a two-digit and a one-digit number - without regrouping MUX
- Use models to add a multiple of ten and a two-digit number CSV
- Use models to add two-digit numbers - without regrouping GJJ

#### Lesson 11.2: Addition with Regrouping

1. Add a one-digit number to a two-digit number - with regrouping BF6
2. Add two-digit numbers with regrouping - sums to 100 QHX

#### *Also consider*

- Regroup tens and ones EWN
- Use models to add a two-digit and a one-digit number - with regrouping 8RL
- Use models to add two-digit numbers - with regrouping CDU

#### Lesson 11.3: Subtraction Without Regrouping

1. Subtract a one-digit number from a two-digit number - without regrouping BAZ
2. Subtract multiples of 10 9DD
3. Subtract a multiple of 10 PYR
4. Subtract two two-digit numbers - without regrouping CXJ

**Lesson 11.4:** Subtraction with Regrouping

1. Subtract a one-digit number from a two-digit number - with regrouping XJS
  2. Subtract two two-digit numbers - with regrouping ZVQ
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# Chapter 12

## Graphs

Textbook section	IXL skills
<b>Lesson 12.1:</b> Simple Picture Graphs	<ol style="list-style-type: none"><li>1. Which picture graph is correct? WZF</li><li>2. Interpret picture graphs GFA</li></ol>
<b>Lesson 12.2:</b> Tally Charts and Picture Graphs	<ol style="list-style-type: none"><li>1. Interpret tally charts LBV</li><li>2. Which tally chart is correct? XRL</li></ol>

# Chapter 13

## Money

Textbook section	IXL skills
<b>Lesson 13.1:</b> Penny, Nickel, and Dime	<ol style="list-style-type: none"> <li>Count pennies, nickels, and dimes UED</li> <li>Exchanging coins - pennies through dimes HVR</li> </ol>
<b>Lesson 13.2:</b> Quarter	<ol style="list-style-type: none"> <li>Exchanging coins - with pictures WXU</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>Names and values of common coins FT2</li> <li>Exchanging coins HSW</li> </ul>
<b>Lesson 13.3:</b> Counting Money	<ol style="list-style-type: none"> <li>Count pennies, nickels, dimes, and quarters 8AK</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>Equivalent groups of coins TRL</li> <li>Money - word problems KJD</li> <li>Purchases: do you have enough money? S9S</li> <li>Compare money amounts VJA</li> <li>Least number of coins 8TY</li> </ul>
<b>Lesson 13.4:</b> Adding and Subtracting Money	<ol style="list-style-type: none"> <li>Money - word problems KJD</li> <li>Correct amount of change XVE</li> </ol>