



# IXL Skill Alignment

Kindergarten alignment for Sadlier Math



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# Chapter 1

## Sorting

| Textbook section                      | IXL skills  |
|---------------------------------------|---|
| <b>1-1 to 1-2:</b> Same and different | <ol style="list-style-type: none"><li>1. Different 8U4</li><li>2. Same H8J</li><li>3. Same and different 6XZ</li></ol>  |
| <b>1-3 to 1-6:</b> Sort objects       | <ol style="list-style-type: none"><li>1. Classify shapes by color 8JL</li><li>2. Sort by same color Y7Z</li><li>3. Sort by same shape YUB</li></ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"><li>• Classify and sort RPB</li><li>• Sort shapes into a Venn diagram Y5J</li></ul> |

# Chapter 2

## Count and Write Numbers 0 to 5

### Textbook section

### IXL skills

**2-1 to 2-3:** Fewer and more

1. Fewer and more - compare by matching up to 5 8DT
2. Fewer and more - compare by counting up to 5 5FC
3. Fewer and more - compare in a mixed group up to 5 5XM
4. Fewer, more, and same FLW

**2-4 to 2-7:** Count up to 5

1. Learn to count to 5 94J
2. Count pictures - up to 5 EAM
3. Count shapes in rows - up to 5 XUZ
4. Count scattered shapes - up to 5 HX8
5. Count using stickers - up to 5 BRM
6. Count cubes - up to 5 U9J
7. Show numbers with cubes - up to 5 XKB

# Chapter 3

## Count and Compare Numbers 0 to 5

### Textbook section

### IXL skills

**3-1 to 3-2:** Count and order up to 5

1. Count on ten frames - up to 5 QJR
2. Show numbers on ten frames - up to 5 WSY
3. One more on frames - up to 5 Z6Y
4. One more - up to 5 6H3
5. One less on frames - up to 5 MVT

**3-3 to 3-8:** Compare up to 5

1. Are these the same number? AQS
2. Greater than or less than - up to 5 ZAQ
3. Greater than, less than, or equal to - up to 5 NVU
4. Ordinal numbers - up to fifth 2YC

*Also consider*

- Represent numbers with pictures - up to 5 85U
- Represent numbers with shapes - up to 5 NA6

# Chapter 4

## Count and Write Numbers 6 to 10

### Textbook section

**4-1 to 4-2:** Count up to 9

### IXL skills

1. Count shapes in rings - up to 7 ZGU
2. Count cubes - up to 7 72V
3. Show numbers with cubes - up to 7 H5D
4. Count shapes in rings - up to 9 BFJ
5. Count cubes - up to 9 DNS
6. Show numbers with cubes - up to 9 V2C

#### *Also consider*

- Represent numbers - up to 7 S2Q
- Represent numbers - up to 9 F2X

**4-3:** Count up to 10

1. Learn to count to 10 SLE
2. Count pictures - up to 10 WVJ
3. Count dots - up to 10 WNL
4. Count using stickers - up to 10 VNE
5. Show numbers with cubes - up to 10 BPS
6. Show numbers on ten frames - up to 10 TGW
7. Represent numbers - up to 10 UJH
8. Names of numbers - up to 10 ZHM

**4-4 to 4-5:** Order up to 10

1. One more - up to 10 ZZR
2. One more and one less on frames - up to 10 6QC
3. Count up - up to 10 BEC
4. Count up and down - up to 10 BKF

# Chapter 5

## Count and Compare Numbers 0 to 10

### Textbook section

### IXL skills

**5-1 to 5-2:** Count forward and back up to 10

1. Count shapes in rows - up to 10 R69
2. Count blocks - up to 10 DB8
3. Number lines - up to 10 BVD
4. Complete a sequence - up to 10 5A2
5. One more on frames - up to 10 EUM
6. Count forward - up to 10 MFP
7. Count forward and backward - up to 10 VYA

**5-3 to 5-8:** Compare up to 10

1. Compare two numbers - up to 10 Z62
2. Greater than or less than YAF
3. Greater than, less than, or equal to 9EG
4. Tally marks - up to 10 C8E
5. Classify, sort, and count H8H
6. Ordinal numbers - up to tenth 5U2

# Chapter 6

## Two-Dimensional Shapes

| Textbook section                            | IXL skills   |
|---|--|
| <b>6-1 to 6-4:</b> Two-dimensional shapes   | <ol style="list-style-type: none"><li>1. Name the two-dimensional shape MCW</li><li>2. Circles ASA</li><li>3. Triangles N6Y</li><li>4. Squares 2WP</li><li>5. Rectangles SLM</li><li>6. Hexagons ZQE</li></ol>   |
| <b>6-5:</b> Compare two-dimensional shapes  | <ol style="list-style-type: none"><li>1. Select two-dimensional shapes QRY</li><li>2. Count corners EKY</li><li>3. Count sides VUD</li><li>4. Count sides and corners UX9</li><li>5. Compare sides and corners 9P8</li></ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"><li>• Equal sides T54</li></ul> |
| <b>6-6 to 6-8:</b> Make patterns and shapes | <ol style="list-style-type: none"><li>1. Find the next shape in a pattern EVU</li><li>2. Complete a pattern VY7</li><li>3. Shape patterns UBM</li><li>4. Compose two-dimensional shapes ZXE</li></ol>  |

# Chapter 7

## Three-Dimensional Shapes

### Textbook section

### IXL skills

**7-1 to 7-2:** Three-dimensional shapes

1. Name the three-dimensional shape PD9
2. Spheres WHV
3. Cones CFP
4. Cylinders HNK
5. Cubes and rectangular prisms 6WY
6. Select three-dimensional shapes FQA
7. Shapes of everyday objects I EYA
8. Shapes of everyday objects II E2G

**7-3 to 7-6:** Compare shapes

1. Flat and solid shapes 4X6
2. Identify shapes traced from solids MQE



# Chapter 8

## Position and Location

### Textbook section

**8-1 to 8-7:** Position and location

### IXL skills

1. Above and below 9DZ
2. Above and below - find solid figures 5YQ
3. Top, middle, and bottom 2XE
4. Inside and outside DHH
5. Beside and next to 5JY
6. Beside and next to - find solid figures YYL
7. Left, middle, and right QC5

#### *Also consider*

- Location in a grid LD9

# Chapter 9

## Break Apart Numbers 10 or Less

### Textbook section

**9-1 to 9-5:** Break apart numbers 10 or less

### IXL skills

1. Count on ten frames - up to 10 QQQ
2. Count to fill a ten frame 2U3
  - *Coming soon:* Decompose numbers up to 5 - complete the sentence
  - *Coming soon:* Decompose numbers up to 10 - complete the sentence

# Chapter 10

## Addition Within 10

| Textbook section                                  | IXL skills   |
|---|--|
| <b>10-1 to 10-2:</b> Put together                 | <ol style="list-style-type: none"> <li>Put together cubes - sums up to 5 EBP</li> <li>Put together cubes - sums up to 10 EFK</li> </ol>  |
| <b>10-3 to 10-6:</b> Add up to 10                 | <ol style="list-style-type: none"> <li>Add with cubes - sums up to 5 RHY</li> <li>Add with pictures - sums up to 5 LZV</li> <li>Addition sentences up to 5: what does the model show? FNF</li> <li>Add with cubes - sums up to 10 VKN</li> <li>Add with pictures - sums up to 10 KM7</li> <li>Addition sentences up to 10: what does the model show? WTT</li> </ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"> <li>Add two numbers - sums up to 5 YAX</li> <li>Complete the addition sentence - sums up to 5 JRS</li> <li>Add two numbers - sums up to 10 TCB</li> <li>Complete the addition sentence - sums up to 10 SAF</li> </ul> |
| <b>10-7 to 10-9:</b> Addition patterns and models | <ol style="list-style-type: none"> <li>Ways to make a number - addition sentences up to 10 UKN</li> <li>Addition word problems with pictures - sums up to 5 W5C</li> <li>Addition word problems with pictures - sums up to 10 7VF</li> </ol>   |

# Chapter 11

## Subtraction Within 10

| Textbook section                                     | IXL skills  |
|--|---|
| <b>11-1 to 11-2:</b> Take away                       | <ol style="list-style-type: none"><li>1. Take away cubes - numbers up to 5 RZA</li><li>2. Take away cubes - numbers up to 10 X5K</li></ol>  |
| <b>11-3 to 11-6:</b> Subtract up to 10               | <ol style="list-style-type: none"><li>1. Subtract with cubes - numbers up to 5 CSA</li><li>2. Subtract with pictures - numbers up to 5 FSM</li><li>3. Subtract with cubes - numbers up to 10 XZN</li><li>4. Subtract with pictures - numbers up to 10 5KG</li></ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"><li>• Subtract - numbers up to 5 6R6</li><li>• Complete the subtraction sentence - numbers up to 5 CEK</li><li>• Subtract - numbers up to 10 X6Y</li><li>• Complete the subtraction sentence - numbers up to 10 YL7</li></ul> |
| <b>11-7 to 11-9:</b> Subtraction patterns and models | <ol style="list-style-type: none"><li>1. Ways to make a number - subtraction sentences up to 10 6EJ</li><li>2. Subtraction word problems with pictures - numbers up to 5 LWF</li><li>3. Subtraction word problems with pictures - numbers up to 10 E6T</li></ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"><li>• Which sign makes the number sentence true? - up to 10 BAV</li></ul>  |

# Chapter 12

## Count, Write, and Order Numbers 11 to 20

| Textbook section                                 | IXL skills   |
|--|--|
| <b>12-1 to 12-5:</b> Count up to 15              | <ol style="list-style-type: none"><li>1. Count to 15 SFH</li><li>2. Count on ten frames - 11 to 15 RLM</li><li>3. Show numbers on ten frames - 11 to 15 S7M</li><li>4. Represent numbers - 11 to 15 V8S</li></ol>  |
| <b>12-6 to 12-8:</b> Count up to 20              | <ol style="list-style-type: none"><li>1. Count to 20 2JV</li><li>2. Count on ten frames - 16 to 20 U74</li><li>3. Show numbers on ten frames - 16 to 20 7EP</li><li>4. Represent numbers - up to 20 79D</li><li>5. Names of numbers - up to 20 YBS</li></ol>   |
| <b>12-9 to 12-10:</b> Order and compare up to 20 | <ol style="list-style-type: none"><li>1. Before, after, and between - up to 20 X7E</li><li>2. Count forward - up to 20 VXC</li><li>3. Compare numbers up to 20 using words M84</li></ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"><li>• Count up and down - up to 20 53C</li><li>• Number lines - up to 20 UEP</li><li>• Complete a sequence - up to 20 ZYR</li></ul> |

# Chapter 13

## Make and Break Apart Numbers 11 to 19

### Textbook section

**13-1 to 13-6:** Make and break apart numbers 11 to 19

### IXL skills

1. Count tens and ones - 11 to 19 RNB
2. Write tens and ones - up to 20 FVP
3. Make teen numbers: addition sentences HZS
4. Take apart teen numbers: addition sentences 7ML
5. Make and take apart teen numbers: addition sentences QGH

# Chapter 14

## Measurement

### Textbook section

**14-1 to 14-8:** Measurement

### IXL skills

1. Long and short DGP
  2. Longest and shortest XAZ
  3. Tall and short 9KJ
  4. Light and heavy WWN
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# Chapter 15

## Count, Write, and Order Numbers to 31

### Textbook section

### IXL skills

**15-1 to 15-3:** Count up to 30

1. Count on ten frames - up to 30 RE2
2. Count blocks - up to 30 BD5

*Also consider*

- Count tens and ones - up to 30 9NY
- Write tens and ones - up to 30 AHY

**15-4 to 15-5:** Order up to 30

1. Number lines - up to 30 7KQ
2. Count forward - up to 30 WPL

*Also consider*

- Put numbers up to 30 in order DPE



# Chapter 16

## Numbers to 100

| Textbook section                     | IXL skills   |
|--------------------------------------|--|
| <b>16-1 to 16-2:</b> Count up to 50  | <ol style="list-style-type: none"><li>1. Count on ten frames - up to 40 WBY</li><li>2. Count blocks - up to 50 DXN</li></ol>   |
| <b>16-3 to 16-6:</b> Count up to 100 | <ol style="list-style-type: none"><li>1. Counting on the hundred chart LGT</li><li>2. Count forward - up to 100 ZA6</li><li>3. Count groups of ten 6J5</li><li>4. Learn to skip-count by tens 5RK</li><li>5. Skip-count by tens W6M</li></ol> <p><i>Also consider</i></p> <ul style="list-style-type: none"><li>• Learn to skip-count by twos, fives, and tens 6BV</li><li>• Skip-count by twos, fives, and tens EKR</li></ul> |

# Chapter 17

## Time

| Textbook section          | IXL skills  |
|---------------------------|---|
| <b>17-1 to 17-5: Time</b> | <ol style="list-style-type: none"><li>1. Read a calendar I D7Z</li><li>2. Read a calendar II RA2</li><li>3. Match digital clocks and times 7D6</li><li>4. Match analog clocks and times TRV</li><li>5. Match analog and digital clocks CV2</li><li>6. Read clocks and write times B7S</li></ol> |

# Chapter 18

## Money

### Textbook section

**18-1 to 18-5:** Money

### IXL skills

1. Coin names - penny through quarter 2J6
2. Coin values - penny through quarter QPY
3. Count money - pennies and nickels UQH
4. Count money - pennies and dimes EAV
5. Count money - pennies and quarters 5MX