



IXL Skill Alignment

Kindergarten alignment for Math Expressions Common Core



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Unit 1

Understand Numbers 1–10

Textbook section

Big Idea 1: Counting and Cardinality 1–5

Big Idea 2: Adding, Subtracting, and Comparing Through 5

IXL skills

Numbers up to 5

1. Identify numbers - up to 5 GZJ
2. Show numbers with cubes - up to 5 XKB
3. Show numbers on ten frames - up to 5 WSY
4. Represent numbers with pictures - up to 5 85U
5. Represent numbers with shapes - up to 5 NA6

Counting

6. Learn to count to 5 94J
7. Count pictures - up to 5 EAM
8. Count shapes in rows - up to 5 XUZ
9. Count scattered shapes - up to 5 HX8
10. Count using stickers - up to 5 BRM
11. Count cubes - up to 5 U9J
12. Count on ten frames - up to 5 QJR

Addition and subtraction

1. Put together cubes - sums up to 5 EBP
2. Take away cubes - numbers up to 5 RZA

Comparing

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

Shapes

7. Circles ASA
8. Squares 2WP
9. Rectangles SLM

Big Idea 3: Show Numbers 1 Through 10**Numbers up to 10**

1. Identify numbers - up to 10 Z7T
2. Names of numbers - up to 10 ZHM
3. Learn to count to 10 SLE
4. Count cubes - up to 10 Q47

Comparing

5. Fewer and more - compare by matching 7YV
6. Fewer and more - compare by counting Y2E

Addition and subtraction

7. Addition word problems with pictures - sums up to 5 W5C
8. Subtraction word problems with pictures - numbers up to 5 LWF

Big Idea 4: Practice Numbers 1 Through 10**Counting**

1. Count pictures - up to 10 WVJ
2. Count dots - up to 10 WNL
3. Count scattered shapes - up to 10 F7B
4. Count shapes in rings - up to 10 79V

Count sides of shapes

5. Count sides VUD
6. Curved parts A6B

Unit 2

5-Groups in Numbers 6–10

Textbook section

Big Idea 1: Using 5-Groups

IXL skills

Count and show

1. Count shapes in rows - up to 10 R69
2. Show numbers with cubes - up to 10 BPS
3. Show numbers on ten frames - up to 10 TGW
4. Represent numbers - up to 10 UJH

Big Idea 2: Addition and Subtraction Stories

Counting forward

1. Count forward - up to 10 MFP
2. Count using stickers - up to 10 VNE
3. Count on ten frames - up to 10 QQQ

Big Idea 3: Practice Numbers 1 Through 10, the + Pattern

Addition and subtraction

1. Put together cubes - sums up to 10 EFK
2. Take away cubes - numbers up to 10 X5K

One more than a number

3. One more on frames - up to 10 EUM
4. One more - up to 10 ZZR
5. Count up - up to 10 BEC

Triangles

6. Triangles N6Y
7. Name the two-dimensional shape MCW

Big Idea 4: Numbers 1 Through 10, the - Pattern

One more and one less

1. One less on frames - up to 10 CYU
2. One more and one less on frames - up to 10 6QC
3. Count up and down - up to 10 BKF
4. Complete a sequence - up to 10 5A2

Identify shapes

5. Hexagons ZQE
6. Select two-dimensional shapes QRY

Unit 3

Teen Numbers as Tens and Ones

Textbook section

Big Idea 1: Partners of 5 and 6

Big Idea 2: Classifying

Big Idea 3: Tens in Teen Numbers

IXL skills

Counting

1. Identify numbers - up to 20 YT5
2. Count up - up to 20 KYB
3. Count up and down - up to 20 53C
4. Count forward - up to 20 VXC

Addition and subtraction

5. Add with cubes - sums up to 5 RHY
6. Addition sentences up to 5: what does the model show? FNF
7. Addition sentences up to 5: which model matches? 6RS
8. Add two numbers - sums up to 5 ZCP
9. Subtract with cubes - numbers up to 5 CSA
10. Subtraction sentences up to 5: which model matches? B55
11. Subtract - numbers up to 5 NQM

Make shapes

12. Compose two-dimensional shapes ZXE

Classify shapes

1. Classify shapes by color 8JL
2. Classify and sort by color VUU
3. Classify and sort by shape 9UK
4. Classify and sort RPB

Counting and comparing

5. Count blocks - up to 10 DB8
6. Are these the same number? AQS

Numbers up to 20

1. Count on ten frames - up to 20 FTY
2. Count blocks - up to 20 2W4

Addition

3. Add with cubes - sums up to 10 VKN
4. Addition sentences up to 10: what does the model show? WTT

Big Idea 4: Build Teen Numbers**Addition and subtraction**

1. Add or subtract - numbers up to 5 D5F

Numbers up to 20

2. Show numbers on ten frames - up to 20 HZM
3. Count tens and ones - up to 20 JLP
4. Make teen numbers: words 7X2
5. Take apart teen numbers: words G8R

Positions

6. Above and below 9DZ
 7. Beside and next to 5JY
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Unit 4

Partners, Problem Drawings, and Tens

Textbook section

Big Idea 1: Story Problems and Equations

Big Idea 2: Practice with Comparing

Big Idea 3: Equations and Teen Numbers

IXL skills

Sort and count

1. Classify, sort, and count H8H

Addition

2. Count to fill a ten frame 2U3
3. Make a number using addition - sums up to 10 QJS
4. Complete the addition sentence - make 10 CB8

Counting

1. Count to 20 2JV
2. Represent numbers - up to 20 HTQ
3. Block models up to 20 2RQ
4. Write tens and ones - up to 20 FVP
5. Make teen numbers: addition sentences HZS
6. Take apart teen numbers: addition sentences 7ML
7. Make and take apart teen numbers: addition sentences QGH

Comparing

8. Compare two numbers - up to 10 Z62
9. Greater than or less than YAF

Addition

- *Coming soon:* Decompose numbers up to 10 - complete the equation

Flat and solid shapes

1. Count corners EKY
2. Equal sides T54
3. Count sides and corners UX9
4. Flat and solid shapes 4X6
5. Spheres WHV
6. Cubes FS7

Addition

7. Add with pictures - sums up to 10 KM7
 8. Addition sentences up to 10: which model matches? GBZ
 9. Add two numbers - sums up to 10 TCB
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Big Idea 4: Equations for Partners**Subtraction**

1. Subtract with cubes - numbers up to 10 XZN
2. Subtract - numbers up to 10 X6Y

Solid shapes

3. Name the three-dimensional shape 2FZ
 4. Cones CFP
 5. Cylinders HNK
 6. Select three-dimensional shapes QAV
 7. Shapes of everyday objects I ZRS
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Unit 5

Consolidation of Concepts

Textbook section

IXL skills

Big Idea 1: More Partners of 10

Counting

1. Count shapes - up to 20 PXG

Comparing

2. Fewer and more - compare in a mixed group 7MY

Big Idea 2: Numbers 1 Through 100

Counting

1. Count groups of ten 6J5
2. Count to 100 9PV
3. Counting on the hundred chart LGT
4. Count blocks - up to 100 ZKS

Addition and subtraction

5. Addition word problems with pictures - sums up to 10 7VF
6. Subtraction word problems with pictures - numbers up to 10 E6T

Big Idea 3: More Teen Numbers and Partners

Counting

1. Count forward - up to 30 WPL

Addition and subtraction

2. Add or subtract - numbers up to 10 6SR
3. Complete the addition sentence - sums up to 10 SAF
4. Complete the subtraction sentence - numbers up to 10 YL7

Big Idea 4: More Story Problems and Equations

Comparing

1. Greater than, less than, or equal to 9EG

Subtraction

2. Subtract with pictures - numbers up to 10 5KG
3. Subtraction sentences up to 10: which model matches? UFH

Measurement

4. Long and short DGP
 5. Tall and short 9KJ
 6. Light and heavy WWN
 7. Holds more or less 9KH
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