



IXL Skill Alignment

Kindergarten alignment for Math in Focus (2013)



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Chapter 1

Numbers to 5

Textbook section	IXL skills
Numbers up to 3	<ol style="list-style-type: none">1. Count pictures - up to 3 XZY2. Count shapes - up to 3 KD63. Represent numbers with pictures - up to 3 S664. Represent numbers with shapes - up to 3 BS9
Same and different	<ol style="list-style-type: none">1. Same H8J2. Different 8U43. Same and different 6XZ
Numbers up to 5	<ol style="list-style-type: none">1. Count pictures - up to 5 EAM2. Count shapes in rows - up to 5 XUZ3. Count scattered shapes - up to 5 HX84. Represent numbers with pictures - up to 5 85U5. Represent numbers with shapes - up to 5 NA6

Chapter 2

Numbers to 10

Textbook section	IXL skills
Numbers up to 7	<ol style="list-style-type: none">1. Count shapes in rings - up to 7 ZGU2. Count cubes - up to 7 72V3. Show numbers with cubes - up to 7 H5D4. Represent numbers - up to 7 S2Q
Numbers up to 9	<ol style="list-style-type: none">1. Count shapes in rings - up to 9 BFJ2. Count cubes - up to 9 DNS3. Show numbers with cubes - up to 9 V2C4. Represent numbers - up to 9 F2X
Pairing	<ol style="list-style-type: none">1. Are these the same number? AQS2. One more and one less on frames - up to 9 S2X

Chapter 3

Order by Size, Length, or Weight

Textbook section

Ordering by size, length, and weight

IXL skills

1. Compare heights N65
2. Compare lengths DLM
3. Compare weights W2G

Also consider

- Wide and narrow 5Q4

Chapter 4

Counting and Numbers 0 to 10

Textbook section

IXL skills

Composing and decomposing numbers

1. Put together cubes - sums up to 5 EBP
2. Put together cubes - sums up to 9 36D
 - *Coming soon:* Decompose numbers up to 5
 - *Coming soon:* Decompose numbers up to 9

Comparing

1. Are there enough? KW2
2. One more with pictures - up to 5 YAE
3. One more with frames - up to 9 KJL
4. Fewer - compare by matching R5E
5. Fewer - compare by counting 7QL

Chapter 5

Size and Position

Textbook section	IXL skills
Size	1. Count shapes with different sizes - up to 5 4F8
Position	1. Inside and outside DHH 2. Left, middle, and right QC5 3. Top, middle, and bottom 2XE 4. Above and below 9DZ 5. Beside and next to 5JY

Chapter 6

Numbers 0 to 20

Textbook section	IXL skills
Numbers up to 10	<ol style="list-style-type: none">1. Count pictures - up to 10 WVJ2. Count cubes - up to 10 Q473. Count up - up to 10 BEC4. Count scattered shapes - up to 10 F7B5. Count shapes in rings - up to 10 79V
Numbers up to 20	<ol style="list-style-type: none">1. Count to 20 2JV2. Count on ten frames - up to 20 FTY3. Show numbers on ten frames - up to 20 HZM4. Count forward - up to 20 VXC
Comparing	<ol style="list-style-type: none">1. Fewer and more - compare in a mixed group 7MY2. Fewer, more, and same FLW

Chapter 7

Solid and Flat Shapes

Textbook section	IXL skills
Solid shapes	<ol style="list-style-type: none">1. Name the three-dimensional shape 64C2. Select three-dimensional shapes QZ53. Shapes of everyday objects I ZRS4. Shapes of everyday objects II E2G
Flat shapes	<ol style="list-style-type: none">1. Identify shapes traced from solids MQE2. Name the two-dimensional shape MCW3. Select two-dimensional shapes QRY4. Compose two-dimensional shapes ZXE
Shape patterns	<ol style="list-style-type: none">1. Find the next shape in a pattern EVU2. Complete a pattern VY7

Chapter 8

Numbers to 100

Textbook section	IXL skills
Counting by 2s, 5s, and 10s	<ol style="list-style-type: none">1. Skip-count by twos NTX2. Skip-count by fives HT23. Skip-count by tens W6M4. Tally marks - up to 20 KNU5. Count groups of ten 6J5
Numbers up to 50	<ol style="list-style-type: none">1. Count blocks - up to 30 BD52. Number lines - up to 30 7KQ3. Put numbers up to 30 in order DPE4. Count on ten frames - up to 40 WBY5. Count blocks - up to 50 DXN
Numbers up to 100	<ol style="list-style-type: none">1. Count to 100 9PV2. Count blocks - up to 100 ZKS3. Complete a sequence - up to 100 MD9

Chapter 9

Comparing Sets

Textbook section	IXL skills
Comparing sets	<ol style="list-style-type: none">1. Fewer and more - compare by matching 7YV2. Fewer and more - compare by counting Y2E
Combining sets	<ol style="list-style-type: none">1. Put together cubes - sums up to 5 EBP

Chapter 10

Ordinal Numbers

Textbook section	IXL skills
Sequencing	<ol style="list-style-type: none">1. Ordinal numbers - up to third 7SZ2. Ordinal numbers - up to tenth 5U2

Chapter 11

Calendar Patterns

Textbook section	IXL skills
Calendars	<ol style="list-style-type: none">1. Days of the week 7CW2. Months of the year 4E2

Chapter 12

Counting On and Counting Back

Textbook section	IXL skills
Counting on and back	<ol style="list-style-type: none">1. Count to fill a ten frame 2U32. Take away cubes - from 10 N7J

Chapter 13

Patterns

Textbook section	IXL skills
Repeating patterns	1. Find the next shape in a pattern 8N9
	<i>Also consider</i>
	• Color patterns W9T
	• Size patterns EH2
	• Shape patterns UBM

Chapter 14

Number Facts

Textbook section

Composing and decomposing

IXL skills

1. Put together cubes - sums up to 10 EFK
2. Make teen numbers: words 7X2
3. Take apart teen numbers: words G8R
 - *Coming soon:* Decompose numbers up to 10 - complete the sentence

Chapter 15

Length and Height

Textbook section	IXL skills
Length	<ol style="list-style-type: none">1. Long and short DGP2. Measure length with cubes 7AH3. Build cube trains to measure length XSQ4. Measure length with objects B8S
Height	<ol style="list-style-type: none">1. Tall and short 9KJ2. Measure height with cubes T5K3. Build cube trains to measure height S7W

Chapter 16

Classifying and Sorting

Textbook section

Classifying and sorting

IXL skills

1. Classify and sort by shape HF6
2. Classify and sort by color FGM
3. Classify and sort KGY

Also consider

- Classify, sort, and count H8H
- Count shapes in a Venn diagram NFL

Chapter 17

Addition Stories

Textbook section

IXL skills

Addition sentences

1. Add with pictures - sums up to 10 KM7
2. Add with cubes - sums up to 10 VKN
3. Addition sentences up to 10: what does the model show? WTT
4. Addition word problems with pictures - sums up to 10 7VF

Addition facts to 5

1. Add two numbers - sums up to 5 ZCP
2. Complete the addition sentence - sums up to 5 UD8

Also consider

- Make a number using addition - sums up to 5 B2L

Chapter 18

Subtraction Stories

Textbook section

IXL skills

Subtraction sentences

1. Subtract with pictures - numbers up to 10 5KG
2. Subtract with cubes - numbers up to 10 XZN
3. Subtraction sentences up to 10: which model matches? UFH
4. Subtraction word problems with pictures - numbers up to 10 E6T

Subtraction facts to 5

1. Subtract - numbers up to 5 NQM
2. Complete the subtraction sentence - numbers up to 5 HAB

Also consider

- Make a number using subtraction - numbers up to 5 9VN

Chapter 19

Measurement

Textbook section	IXL skills
Comparing weights and capacities	1. Light and heavy WWN 2. Holds more or less 9KH

1. Light and heavy WWN
2. Holds more or less 9KH

Chapter 20

Money

Textbook section

Coin values and counting

IXL skills

1. Coin values - penny through quarter QPY
2. Count money - pennies only FPE

Also consider

- Coin names - penny through quarter 2J6
- Count money - pennies and nickels UQH
- Count money - pennies through dimes P6E