



IXL Skill Alignment

Pre-Kindergarten alignment for EngageNY Common Core Curriculum



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www.ixl.com/math/skill-plans/engageny-common-core-curriculum-pre-k

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Module 1

Counting to 5

Textbook section	IXL skills
Topic A: Matching Objects	<ol style="list-style-type: none"> 1. Same AL7 2. Different ANZ 3. Same and different TCN
Topic B: Sorting	<ol style="list-style-type: none"> 1. Classify and sort by color LFK 2. Classify and sort by shape N2C <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Classify shapes by color QJP
Topic C: <i>How Many</i> Questions with 1, 2, or 3 Objects	<ol style="list-style-type: none"> 1. Represent numbers with pictures - up to 3 H7G 2. Represent numbers with shapes - up to 3 ZW5
Topic D: Matching 1 Numeral with up to 3 Objects	<ol style="list-style-type: none"> 1. Identify numbers - up to 3 VWZ 2. Learn to count - up to 3 ZWY 3. Count pictures - up to 3 LHY 4. Count dots - up to 3 5XK 5. Count using stickers - up to 3 9L2 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Count shapes - up to 3 P2J • Count on ten frames - up to 3 VFH • Show numbers on ten frames - up to 3 48D
Topic E: <i>How Many</i> Questions with 4 or 5 Objects	<ol style="list-style-type: none"> 1. Represent numbers with pictures - up to 5 WFX 2. Represent numbers with shapes - up to 5 NGX
Topic F: Matching 1 Numeral with up to 5 Objects	<ol style="list-style-type: none"> 1. Identify numbers - up to 5 9DG 2. Learn to count - up to 5 ETZ 3. Count pictures - up to 5 QKR 4. Count dots - up to 5 GTA 5. Count using stickers - up to 5 5H4 6. Count cubes - up to 5 8BB

7. Show numbers with cubes - up to 5 WH7

Also consider

- Count shapes in rows - up to 5 T9M
- Count scattered shapes - up to 5 TNC
- Count on ten frames - up to 5 ZTJ
- Show numbers on ten frames - up to 5 W5L

Topic G: *One More* with Numbers 1 to 5

1. One more with pictures - up to 5 NGU
2. One more - up to 5 ZQJ

Topic H: Counting 5, 4, 3, 2, 1

1. One less with pictures - up to 5 LKC
 2. Count down - numbers up to 5 8JU
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Module 2

Shapes

Textbook section

IXL skills

Topic A: Two-Dimensional Shapes

Identify flat shapes

1. Triangles 4A5
2. Rectangles GLD
3. Squares JED
4. Circles G8J
5. Name the shape XHN
6. Circles, squares, triangles, and rectangles DSD

Position

7. Inside and outside 9VK
8. Top and bottom BSP
9. Above and below 7S4
10. Beside and next to YNC

Topic B: Constructing Two-Dimensional Shapes

1. Count sides ZTS
2. Count corners HHG
3. Count sides and corners 7PH

Topic C: Three-Dimensional Shapes

1. Identify shapes traced from solids YD6

Also consider

- Name the solid shape RZT
- Shapes of everyday objects I GSL
- Shapes of everyday objects II YVD

Module 3

Counting to 10

Textbook section	IXL skills
Topic A: <i>How Many</i> Questions with up to 7 Objects	1. Represent numbers - up to 7 2L6
Topic B: Matching One Numeral with up to 7 Objects	1. Identify numbers - up to 7 RJN 2. Count cubes - up to 7 7CX 3. Show numbers with cubes - up to 7 ARA 4. Count shapes in rings - up to 7 9G9
Topic C: <i>How Many</i> Questions with up to 8 Objects	1. Represent numbers - up to 8 54Y
Topic D: Matching One Numeral with up to 8 Objects	1. Identify numbers - up to 8 GUS 2. Count cubes - up to 8 88H 3. Show numbers with cubes - up to 8 ELZ 4. Count shapes in rings - up to 8 8TU
Topic E: <i>How Many</i> Questions with 0 up to 9 Objects	1. Represent numbers - up to 9 8WE
Topic F: Matching One Numeral with 0 up to 9 Objects	1. Identify numbers - up to 9 6Z7 2. Count cubes - up to 9 8CB 3. Show numbers with cubes - up to 9 BGS 4. Count shapes in rings - up to 9 5RZ
Topic G: <i>How Many</i> Questions with up to 10 Objects	1. Represent numbers - up to 10 AF8
Topic H: Matching One Numeral with up to 10 Objects	Counting up to 10 1. Identify numbers - up to 10 7T2 2. Learn to count - up to 10 PH2 3. Count pictures - up to 10 7TB 4. Count shapes in rows - up to 10 ZQD 5. Count shapes in rings - up to 10 8J2 6. Count using stickers - up to 10 RDZ 7. Count cubes - up to 10 YSP

8. Show numbers with cubes - up to 10 JKF

9. Tally marks - up to 10 KHX

One more and one less up to 10

10. One more with pictures - up to 10 MH6

11. One less with pictures - up to 10 AX7

Also consider

- Count dots - up to 10 D6Q
 - Count scattered shapes - up to 10 NRW
 - Count on ten frames - up to 10 82D
 - Show numbers on ten frames - up to 10 ERJ
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Module 4

Comparison of Length, Weight, Capacity, and Numbers to 5

Textbook section	IXL skills
Topic A: Comparison of Length	1. Tall and short BUH 2. Long and short 9T7
Topic B: Comparison of Weight	1. Light and heavy MVN
Topic C: Comparison of Volume	Volume 1. Holds more or less AWR Length, weight, and volume 2. Compare length, weight, and volume Q2H
Topic D: First and Last	1. Ordinal numbers - up to fifth NKX 2. Ordinal numbers - up to tenth F7F
Topic E: Are There Enough?	1. Are there enough? UHG
Topic F: Comparison of Sets Up to 5	1. More PPZ 2. Fewer GYF 3. Fewer and more - compare by counting RTA 4. Fewer and more - compare in a mixed group SCA 5. Fewer, more, and same YV9
Topic G: Comparison of Sets Including Numerals Up to 5	1. Compare numbers (larger and largest) T2G 2. Compare numbers (smaller and smallest) CCP

Module 5

Addition and Subtraction Stories and Counting to 20

Textbook section	IXL skills
Topic A: Writing Numerals 0 to 5	1. Put together cubes - sums up to 5 67G
Topic B: Contextualizing Addition Stories to Solve	1. Add with pictures - sums up to 5 PFR 2. Addition word problems with pictures - sums up to 5 D2X
Topic C: Contextualizing Subtraction Stories to Solve	1. Take away cubes - numbers up to 5 92Q 2. Subtract with pictures - numbers up to 5 TJ8 3. Subtraction word problems with pictures - numbers up to 5 DMH
Topic D: Decontextualizing Addition Stories to Solve Using Fingers, Objects, and Drawings	1. Add with cubes - sums up to 5 RRT 2. Addition sentences up to 5: which model matches? 8J8 3. Addition sentences up to 5: what does the model show? RZ9
Topic E: Decontextualizing Subtraction Stories to Solve Using Fingers, Objects, and Drawings	1. Subtract with cubes - numbers up to 5 WVC 2. Subtraction sentences up to 5: which model matches? 6F9
Topic F: Duplicating and Extending Patterns	1. Color patterns YSB 2. Size patterns SCL 3. Shape patterns CDD 4. What comes next? UDU 5. Growing patterns 65K 6. Find the next shape in a growing pattern 47S 7. Find the next row in a growing pattern 2EV