



IXL Skill Alignment

Kindergarten alignment for EngageNY Math



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www.ixl.com/math/skill-plans/engage-ny-common-core-curriculum-kindergarten

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Module 1

Numbers to 10

Textbook section	IXL skills
Topic A: Attributes of Two Related Objects	1. Same H8J <i>Also consider</i> <ul style="list-style-type: none"> Different 8U4 Same and different 6XZ
Topic B: Classify to Make Categories and Count	1. Learn to count to 3 VPL 2. Count pictures - up to 3 XZY 3. Represent numbers with pictures - up to 3 S66 4. Classify shapes by color 8JL 5. Classify and sort by color VUU 6. Classify and sort by shape 9UK 7. Classify and sort RPB <i>Also consider</i> <ul style="list-style-type: none"> Count using stickers - up to 3 7A3
Topic C: Numbers to 5 in Different Configurations, Math Drawings, and Expressions	1. Count on ten frames - up to 3 HV8 2. Show numbers on ten frames - up to 3 HAZ 3. Learn to count to 5 94J 4. Count pictures - up to 5 EAM 5. Count on ten frames - up to 5 QJR 6. Represent numbers with pictures - up to 5 85U <i>Also consider</i> <ul style="list-style-type: none"> Count using stickers - up to 3 7A3 Count using stickers - up to 5 BRM Show numbers on ten frames - up to 5 WSY Make a number using addition - sums up to 5 B2L
Topic D: The Concept of Zero and Working with Numbers 0-5	1. Count dots - 0 to 5 KNS

Topic E: Working with Numbers 6-8 in Different Configurations**Topic F:** Working with Numbers 9-10 in Different Configurations

1. Learn to count to 10 SLE
2. Count pictures - up to 10 WVJ
3. Count dots - up to 10 WNL
4. Count blocks - up to 10 DB8
5. Count using stickers - up to 10 VNE
6. Count on ten frames - up to 10 QQQ
7. Show numbers on ten frames - up to 10 TGW
8. Represent numbers - up to 10 UJH

Topic G: One More with Numbers 0-10

1. One more on frames - up to 5 Z6Y
2. One more on frames - up to 10 EUM
3. Count forward - up to 10 MFP
4. Complete a sequence - up to 10 5A2

Also consider

- Count up - up to 10 BEC

Topic H: One Less with Numbers 0-10

1. One less on frames - up to 5 MVT
2. One less on frames - up to 10 CYU

Module 2

Two-Dimensional and Three-Dimensional Shapes

Textbook section

IXL skills

Topic A: Two-Dimensional Flat Shapes

1. Above and below 9DZ
2. Beside and next to 5JY
3. Name the two-dimensional shape MCW
4. Circles ASA
5. Hexagons ZQE
6. Select two-dimensional shapes QRY
7. Count sides and corners UX9
8. Compare sides and corners UXY

Also consider

- Squares 2WP

Topic B: Three-Dimensional Solid Shapes

1. Above and below - find solid figures 5YQ
2. Beside and next to - find solid figures YYL
3. Name the three-dimensional shape 2FZ
4. Spheres WHV
5. Cubes FS7
6. Cones CFP
7. Cylinders HNK
8. Select three-dimensional shapes QAV
9. Shapes of everyday objects I ZRS
10. Shapes of everyday objects II E2G

Topic C: Two-Dimensional and Three-Dimensional Shapes

1. Identify shapes traced from solids MQE

Module 3

Comparison of Length, Weight, Capacity, and Numbers to 10

Textbook section	IXL skills
Topic A: Comparison of Length and Height	
Topic B: Comparison of Length and Height of Linking Cube Sticks Within 10	
Topic C: Comparison of Weight	
Topic D: Comparison of Volume	1. Holds more or less 9KH
Topic E: Are There Enough?	1. Are there enough? SL5 <i>Also consider</i> <ul style="list-style-type: none"> Fewer and more - compare by matching 7YV Fewer and more - compare by counting Y2E Fewer and more - compare in a mixed group 7MY Fewer, more, and same FLW
Topic F: Comparison of Sets Within 10	1. One more with pictures - up to 5 YAE 2. One more on frames - up to 5 Z6Y 3. One less with pictures - up to 5 97D 4. One less on frames - up to 5 MVT 5. One more with pictures - up to 10 7MC 6. One more on frames - up to 10 EUM 7. One less with pictures - up to 10 KUP 8. One less on frames - up to 10 CYU <i>Also consider</i> <ul style="list-style-type: none"> One more and one less with pictures - up to 10 HC7 One more and one less on frames - up to 10 6QC
Topic G: Comparison of Numerals	

Topic H: Clarification of Measurable Attributes

Module 4

Number Pairs, Addition and Subtraction to 10

Textbook section	IXL skills
Topic A: Compositions and Decompositions of 2, 3, 4, and 5	
Topic B: Decompositions of 6, 7, and 8 into Number Pairs	
Topic C: Addition with Totals of 6, 7, and 8	
Topic D: Subtraction from Numbers to 8	<ol style="list-style-type: none"> Subtraction sentences up to 5: which model matches? B55 <p><i>Also consider</i></p> <ul style="list-style-type: none"> Subtract with pictures - numbers up to 5 FSM Subtraction word problems - numbers up to 5 63S
Topic E: Decompositions of 9 and 10 into Number Pairs	
Topic F: Addition with Totals of 9 and 10	
Topic G: Subtraction from 9 and 10	<ol style="list-style-type: none"> Add two numbers - sums up to 5 YAX Subtract - numbers up to 5 6R6 Subtraction sentences up to 10: which model matches? UFH <p><i>Also consider</i></p> <ul style="list-style-type: none"> Subtract with pictures - numbers up to 10 5KG Subtraction word problems - numbers up to 10 QBY
Topic H: Patterns with Adding 0 and 1 and Making 10	<ol style="list-style-type: none"> Count to fill a ten frame 2U3 Add two numbers - sums up to 5 YAX <p><i>Also consider</i></p> <ul style="list-style-type: none"> Complete the addition sentence - make 10 CB8

Module 5

Numbers 10-20 and Counting to 100

Textbook section	IXL skills
Topic A: Count 10 Ones and Some Ones	
Topic B: Compose Numbers 11-20 from 10 Ones and Some Ones; Represent and Write Teen Numbers	<ol style="list-style-type: none"> 1. Show numbers on ten frames - up to 20 HZM 2. Represent numbers - up to 20 HTQ
Topic C: Decompose Numbers 11-20, and Count to Answer 'How Many?' Questions in Varied Configurations	<ol style="list-style-type: none"> 1. Count to 20 2JV 2. Count dots - 0 to 20 7T4 3. Count on ten frames - up to 20 FTY 4. Count up - up to 20 KYB 5. Count blocks - up to 20 2W4 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Count forward - up to 20 VXC • Count forward and backward - up to 20 BGW • Complete a sequence - up to 20 ZYR
Topic D: Extend the Say Ten and Regular Count Sequence to 100	<ol style="list-style-type: none"> 1. Count on ten frames - up to 30 RE2 2. Count groups of ten 6J5 3. Count to 100 9PV 4. Count blocks - up to 30 BD5 5. Count blocks - up to 100 ZKS 6. Learn to skip-count by tens 5RK 7. Skip-count by tens W6M <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Counting on the hundred chart LGT
Topic E: Represent and Apply Compositions and Decompositions of Teen Numbers	

Module 6

Analyzing, Comparing, and Composing Shapes

Textbook section

IXL skills

Topic A: Building and Drawing Flat and Solid Shapes

1. Add two numbers - sums up to 5 YAX
2. Subtract - numbers up to 5 6R6
3. Identify shapes traced from solids MQE

Topic B: Composing and Decomposing Shapes