



IXL Skill Alignment

Grade 1 alignment for enVision Mathematics



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Topic 1

Understand Addition and Subtraction

Textbook section	IXL skills
Lesson 1-1: Add To	<ol style="list-style-type: none">1. Add with cubes - sums up to 10 E8D2. Addition word problems with pictures - sums up to 10 F6L3. "Add to" word problems with result unknown - sums up to 10 Q9T <p><i>Also consider</i></p> <ul style="list-style-type: none">• Turn words into an addition sentence - sums up to 10 5YU
Lesson 1-2: Put Together	<ol style="list-style-type: none">1. Add with pictures - sums up to 10 H6S <p><i>Also consider</i></p> <ul style="list-style-type: none">• Put together cubes - sums up to 10 DF6• Addition sentences up to 10: what does the model show? F9B
Lesson 1-3: Both Addends Unknown	<ol style="list-style-type: none">1. Word problems with both addends unknown - up to 10 PL6 <p><i>Also consider</i></p> <ul style="list-style-type: none">• Make a number using addition - sums up to 10 VSE
Lesson 1-4: Take From	<ol style="list-style-type: none">1. Subtract with cubes - up to 10 5JT2. Subtract with pictures - up to 10 Y2Z3. Subtraction word problems with pictures - up to 10 GA9 <p><i>Also consider</i></p> <ul style="list-style-type: none">• Subtraction sentences up to 10: what does the model show? 2AY
Lesson 1-5: Compare Situations	<ol style="list-style-type: none">1. Comparison word problems up to 10: how many more? BS6

Also consider

- Comparing: how many more? RZW
- Compare numbers up to 100: word problems C7Q

Lesson 1-6: More Compare Situations

1. Comparison word problems up to 10: how many fewer? VR6

Also consider

- Comparison word problems up to 10: how many more or fewer? VWF
- Comparing: how many more or fewer? Y9D

Lesson 1-7: Change Unknown

1. "Add to" word problems with change unknown - up to 10 X84

Also consider

- Complete the addition sentence with change unknown - sums up to 10 GTU

Lesson 1-8: Practice Adding and Subtracting

1. Word problems with one addend unknown - up to 10 VU2
2. Addition sentences for word problems - sums up to 10 ZE8
3. Subtraction sentences for word problems - up to 10 R2J

Also consider

- Addition and subtraction facts - up to 10 V7A

Lesson 1-9: Problem Solving: Construct Arguments

1. Addition and subtraction word problems - up to 10 DWE

Also consider

- Addition sentences up to 10: which model matches? E5U
- Subtraction sentences up to 10: which model matches? MGG

Topic 2

Fluently Add and Subtract Within 10

Textbook section	IXL skills
Lesson 2-1: Count On to Add	<ol style="list-style-type: none"> Addition sentences using number lines - sums up to 10 UWW Add by counting on from the first addend - sums up to 10 M7Z <p><i>Also consider</i></p> <ul style="list-style-type: none"> Addition facts without zero - sums up to 10 RUF
Lesson 2-2: Doubles	<ol style="list-style-type: none"> Add doubles with models - sums up to 10 Z8T Add doubles - sums up to 10 ZNG
Lesson 2-3: Near Doubles	<ol style="list-style-type: none"> Add using doubles plus one - sums up to 10 DDC
Lesson 2-4: Facts with 5 on a Ten-Frame	<ol style="list-style-type: none"> Count to fill a ten frame 6CB <p><i>Also consider</i></p> <ul style="list-style-type: none"> Show numbers on ten frames - up to 10 8ET
Lesson 2-5: Add in Any Order	<ol style="list-style-type: none"> Add in any order 2FF Related addition facts - sums up to 10 R8A <p><i>Also consider</i></p> <ul style="list-style-type: none"> Add by counting on - sums up to 10 CTN
Lesson 2-6: Count Back to Subtract	<ol style="list-style-type: none"> Subtraction sentences using number lines - up to 10 LRN Subtraction facts - up to 10 EQK
Lesson 2-7: Think Addition to Subtract	<ol style="list-style-type: none"> Subtract using a related addition fact - up to 10 TBD <p><i>Also consider</i></p> <ul style="list-style-type: none"> Make a number using subtraction - up to 10 RSR

Lesson 2-8: Solve Word Problems with Facts to 10

1. Addition word problems - sums up to 10 P6D
2. Subtraction word problems - up to 10 7NL
3. Word problems with change unknown - up to 10 BTB

Also consider

- "Take from" word problems with change unknown - up to 10 6TC

Lesson 2-9: Problem Solving: Look For and Use Structure

1. Ways to make a number - addition sentences up to 10 K48

Also consider

- Ways to make a number - subtraction sentences up to 10 BTD

Topic 3

Addition Facts to 20: Use Strategies

Textbook section	IXL skills
Lesson 3-1: Count On to Add	<ol style="list-style-type: none"> 1. Addition sentences using number lines - sums up to 20 LXW 2. Addition facts - sums up to 18 YXB
Lesson 3-2: Count On to Add Using an Open Number Line	<ol style="list-style-type: none"> 1. Addition sentences for word problems - sums up to 20 N5N
Lesson 3-3: Doubles	<ol style="list-style-type: none"> 1. Add doubles - with models HRW 2. Add doubles DFT <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Add doubles - complete the sentence TAZ
Lesson 3-4: Doubles Plus	<ol style="list-style-type: none"> 1. Add using doubles plus one XAY
Lesson 3-5: Make 10 to Add	<ol style="list-style-type: none"> 1. Make ten to add - with models WL5 2. Complete the addition sentence - make ten 5MN
Lesson 3-6: Continue to Make 10 to Add	<ol style="list-style-type: none"> 1. Make ten to add RNZ
Lesson 3-7: Explain Addition Strategies	<ol style="list-style-type: none"> 1. Addition facts - sums up to 20 6TM <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Make a number using addition - sums up to 20 UMX
Lesson 3-8: Solve Addition Word Problems with Facts to 20	<ol style="list-style-type: none"> 1. Addition word problems - sums up to 20 KY5
Lesson 3-9: Problem Solving: Critique Reasoning	<ol style="list-style-type: none"> 1. Addition and subtraction sentences: which is true? QVL

Topic 4

Subtraction Facts to 20: Use Strategies

Textbook section	IXL skills
Lesson 4-1: Count to Subtract	1. Subtraction sentences using number lines - up to 20 <small>MMS</small>
Lesson 4-2: Make 10 to Subtract	1. Subtract from 13 and 14 <small>Q2Q</small>
Lesson 4-3: Continue to Make 10 to Subtract	1. Subtract from 15 and 16 <small>X7D</small>
Lesson 4-4: Fact Families	1. Fact families - up to 20 <small>Q7Y</small> <i>Also consider</i> <ul style="list-style-type: none"> • Related addition facts <small>Y8Y</small> • Related subtraction facts <small>XZB</small>
Lesson 4-5: Use Addition to Subtract	1. Subtract using a related addition fact <small>YWW</small>
Lesson 4-6: Continue to Use Addition to Subtract	1. Relate addition and subtraction sentences <small>DM2</small>
Lesson 4-7: Explain Subtraction Strategies	1. Subtraction facts - up to 20 <small>PV5</small> <i>Also consider</i> <ul style="list-style-type: none"> • Make a number using subtraction - up to 20 <small>JJS</small> • Subtract doubles <small>LHZ</small>
Lesson 4-8: Solve Word Problems with Facts to 20	1. Word problems involving addition and subtraction - up to 20 <small>VJR</small>
Lesson 4-9: Problem Solving: Reasoning	1. Subtraction sentences for word problems - up to 20 <small>LJA</small> <i>Also consider</i> <ul style="list-style-type: none"> • Subtraction word problems - up to 20 <small>9Q9</small>

Topic 5

Work with Addition and Subtraction Equations

Textbook section	IXL skills
Lesson 5-1: Find the Unknown Numbers	1. Complete the addition or subtraction sentence - up to 20 YKL <i>Also consider</i> <ul style="list-style-type: none"> Complete the addition sentence - sums up to 20 5BP Complete the subtraction sentence - up to 20 ZSR
Lesson 5-2: True or False Equations	1. Addition and subtraction sentences: true or false? DCV <i>Also consider</i> <ul style="list-style-type: none"> Addition sentences: which is true? XWH Subtraction sentences: which is true? A2N
Lesson 5-3: Make True Equations	1. Balance addition and subtraction equations - up to 20 VKU
Lesson 5-4: Add Three Numbers	1. Add three numbers - use doubles 2K8 2. Add three numbers - make ten 8B2 3. Add three numbers RL2
Lesson 5-5: Word Problems with Three Addends	1. Add three numbers - word problems Z7S
Lesson 5-6: Solve Addition and Subtraction Word Problems	1. Addition and subtraction sentences for word problems - up to 20 VJ2
Lesson 5-7: Problem Solving: Precision	1. Which sign makes the number sentence true? 7JY

Topic 6

Represent and Interpret Data

Textbook section	IXL skills
Lesson 6-1: Organize Data Into Three Categories	<ol style="list-style-type: none">1. Which tally chart is correct? XRL2. Interpret tally charts LBV
Lesson 6-2: Collect and Represent Data	<ol style="list-style-type: none">1. Create picture graphs 8F5
Lesson 6-3: Interpret Data	<ol style="list-style-type: none">1. Which picture graph is correct? WZF2. Interpret picture graphs GFA
Lesson 6-4: Continue to Interpret Data	<ol style="list-style-type: none">1. Interpret picture graphs II 7LT
Lesson 6-5: Problem Solving: Make Sense and Persevere	

Topic 7

Extend the Counting Sequence

Textbook section	IXL skills
Lesson 7-1: Count by 10s to 120	1. Skip-counting by tens - up to 120 FVW <i>Also consider</i> <ul style="list-style-type: none"> Skip-counting by fives KWU
Lesson 7-2: Count by 1s to 120	1. Counting forward - up to 120 VZR <i>Also consider</i> <ul style="list-style-type: none"> Place value models up to 120 YDR One or ten more - up to 120 J8Z
Lesson 7-3: Count on a Number Chart to 120	1. Counting on a number chart - up to 120 W2E
Lesson 7-4: Count by 1s or 10s to 120	1. Number chart - up to 120 MPN 2. Sequences up to 120 - count up by 1 and 10 ZB6
Lesson 7-5: Count on an Open Number Line	1. More sequences up to 120 - count up by 1 and 10 EUB <i>Also consider</i> <ul style="list-style-type: none"> Number lines - up to 120 P58
Lesson 7-6: Count and Write Numerals	1. Counting - up to 100 SUW
Lesson 7-7: Problem Solving: Repeated Reasoning	1. Skip-counting by twos, fives, and tens W8G

Topic 8

Understand Place Value

Textbook section	IXL skills
Lesson 8-1: Make Numbers 11 to 19	<ol style="list-style-type: none"> Counting tens and ones - up to 20 GU6 Writing numbers with digits and words - up to 20 LWV <p><i>Also consider</i></p> <ul style="list-style-type: none"> Write numbers as tens and ones up to 20 5HL Place value models up to 20 YPB
Lesson 8-2: Numbers Made with Tens	<ol style="list-style-type: none"> Convert between tens and ones - multiples of ten VH7
Lesson 8-3: Count with Groups of Tens and Ones	<ol style="list-style-type: none"> Counting tens and ones - up to 99 EAN
Lesson 8-4: Tens and Ones	<ol style="list-style-type: none"> Place value models up to 100 5CG <p><i>Also consider</i></p> <ul style="list-style-type: none"> Estimate to the nearest ten 9G2
Lesson 8-5: Continue with Tens and Ones	<ol style="list-style-type: none"> Write numbers as tens and ones 7WF <p><i>Also consider</i></p> <ul style="list-style-type: none"> Place value - tens and ones 2DP
Lesson 8-6: Different Names for the Same Number	<ol style="list-style-type: none"> Regroup tens and ones - ways to make a number FCJ
Lesson 8-7: Problem Solving: Look For and Use Structure	<ol style="list-style-type: none"> Regroup tens and ones EWN

Topic 9

Compare Two-Digit Numbers

Textbook section	IXL skills
Lesson 9-1: 1 More, 1 Less; 10 More, 10 Less	1. One or ten more/less KRV
Lesson 9-2: Find Numbers on a Hundred Chart	1. Hundred chart 64Q
Lesson 9-3: Compare Numbers	1. Compare numbers up to 100 using words BWC
Lesson 9-4: Compare Numbers with Symbols (>, <, =)	1. Compare numbers up to 100 using symbols FU5
Lesson 9-5: Compare Numbers on a Number Line	1. Comparison word problems - up to 100 VEY <i>Also consider</i> • Put numbers in order - up to 100 PB7
Lesson 9-6: Problem Solving: Make Sense and Persevere	1. Guess the number KFY

Topic 10

Use Models and Strategies to Add Tens

Textbook section	IXL skills
Lesson 10-1: Add Tens Using Models	1. Add two multiples of ten EMK
Lesson 10-2: Mental Math: Ten More Than a Number	1. Ten more VH2
Lesson 10-3: Add Tens and Ones Using a Hundred Chart	1. Add a one-digit number to a two-digit number - without regrouping 5VX 2. Add a multiple of ten and a two-digit number LNL <i>Also consider</i> <ul style="list-style-type: none"> Hundred chart II A8L
Lesson 10-4: Add Tens and Ones Using an Open Number Line	1. Addition sentences using number lines - sums up to 20 A56
Lesson 10-5: Add Tens and Ones Using Models	1. Use models to add a two-digit and a one-digit number - without regrouping MUX 2. Use models to add a multiple of ten and a two-digit number CSV
Lesson 10-6: Make a Ten to Add	1. Use models to add a two-digit and a one-digit number - with regrouping 8RL 2. Break apart a one-digit number to add 57V 3. Add a one-digit number to a two-digit number - with regrouping BF6 <i>Also consider</i> <ul style="list-style-type: none"> Addition word problems - one-digit plus two-digit numbers 88Q Addition sentences for word problems - one-digit plus two-digit numbers 5LZ
Lesson 10-7: Add Using Place Value	1. Use models to add two-digit numbers - without regrouping GJJ 2. Use models to add two-digit numbers - with regrouping CDU

3. Add two-digit numbers without regrouping - sums to 40 L7X
4. Add two-digit numbers with regrouping - sums to 40 Y8V

Lesson 10-8: Practice Adding Using Strategies

1. Add two-digit numbers without regrouping - sums to 100 VZW
2. Add two-digit numbers with regrouping - sums to 100 QHX

Lesson 10-9: Problem Solving: Model with Math

1. Addition word problems - up to two digits T9S
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Topic 11

Use Models and Strategies to Subtract Tens

Textbook section	IXL skills
Lesson 11-1: Subtract Tens Using Models	1. Subtract tens 2VY
Lesson 11-2: Subtract Tens Using a Hundred Chart	1. Sequences up to 100 - subtract 10 7YU
Lesson 11-3: Subtract Tens Using an Open Number Line	
Lesson 11-4: Use Addition to Subtract Tens	1. Add and subtract two multiples of ten EA6
Lesson 11-5: Mental Math: Ten Less Than a Number	1. Ten less JDS
Lesson 11-6: Use Strategies to Practice Subtraction	1. Subtract multiples of ten 9DD
Lesson 11-7: Problem Solving: Model with Math	

Topic 12

Measure Lengths

Textbook section	IXL skills
Lesson 12-1: Compare and Order by Length	1. Compare objects: length and height D7U
Lesson 12-2: Indirect Measurement	
Lesson 12-3: Use Units to Measure Length	1. Measure length with objects GWG 2. Measure length with cubes FBV <i>Also consider</i> • Measure height with cubes BLM
Lesson 12-4: Problem Solving: Use Appropriate Tools	1. Map distances 2TP

Topic 13

Time and Money

Textbook section	IXL skills
Lesson 13-1: Tell the Value of Coins	1. Names and values of common coins FT2
Lesson 13-2: Find the Value of a Group of Coins	1. Count pennies and dimes XAM <i>Also consider</i> • Count pennies, nickels, and dimes UED
Lesson 13-3: Understand the Hour and Minute Hands	1. Read clocks and write times: to the hour 63H 2. Match analog clocks and times: to the hour S75 <i>Also consider</i> • Times of everyday events BXM
Lesson 13-4: Tell and Write Time to the Hour	1. Match analog and digital clocks: to the hour 7B8
Lesson 13-5: Tell and Write Time to the Half Hour	1. Read clocks and write times UJM 2. Match analog and digital clocks 7N3 3. Time and clocks: word problems NPR <i>Also consider</i> • Match digital clocks and times KKM • Match analog clocks and times 5FJ
Lesson 13-6: Problem Solving: Reasoning	1. Compare clocks VRW <i>Also consider</i> • Time patterns KG9

Topic 14

Reason with Shapes and Their Attributes

Textbook section	IXL skills
Lesson 14-1: Use Attributes to Define Two-Dimensional (2-D) Shapes	<ol style="list-style-type: none"> Count sides and vertices 53E Open and closed shapes DBN
Lesson 14-2: Defining and Non-Defining Attributes of 2-D Shapes	<ol style="list-style-type: none"> Square corners YSG Equal sides QT9 Select two-dimensional shapes HV6 <p><i>Also consider</i></p> <ul style="list-style-type: none"> Identify squares and other rectangles R8E
Lesson 14-3: Build and Draw 2-D Shapes by Attributes	<ol style="list-style-type: none"> Name the two-dimensional shape MRF
Lesson 14-4: Compose 2-D Shapes	<ol style="list-style-type: none"> Compose two-dimensional shapes using up to 4 smaller shapes DCS
Lesson 14-5: Compose New 2-D Shapes from 2-D Shapes	<ol style="list-style-type: none"> Compose two-dimensional shapes YEU
Lesson 14-6: Use Attributes to Define Three-Dimensional (3-D) Shapes	<ol style="list-style-type: none"> Count vertices, edges, and faces Z42 <p><i>Also consider</i></p> <ul style="list-style-type: none"> Compare vertices, edges, and faces 6W3
Lesson 14-7: Defining and Non-Defining Attributes of 3-D Shapes	<ol style="list-style-type: none"> Name the three-dimensional shape 26D Select three-dimensional shapes J8A Identify faces of three-dimensional shapes RPX <p><i>Also consider</i></p> <ul style="list-style-type: none"> Shapes of everyday objects I ZCN
Lesson 14-8: Compose with 3-D Shapes	
Lesson 14-9: Problem Solving: Make Sense and Persevere	<ol style="list-style-type: none"> Count shapes in a Venn diagram PNU Shapes of everyday objects II LFC

Topic 15

Equal Shares of Circles and Rectangles

Textbook section	IXL skills
Lesson 15-1: Make Equal Shares	1. Equal parts - halves and fourths HVX
Lesson 15-2: Make Halves and Fourths of Rectangles and Circles	1. Identify halves and fourths WVL <i>Also consider</i> <ul style="list-style-type: none">• Identify halves UFC• Identify fourths TP9• Make halves GF9• Make fourths ALQ
Lesson 15-3: Understand Halves and Fourths	1. Make halves and fourths X5A 2. Make halves and fourths in different ways YJR
Lesson 15-4: Problem Solving: Model with Math	1. Unit fractions: modeling word problems G7V

Topic 16

Step Up to Grade 2

Textbook section	IXL skills
Lesson 16-1: Even and Odd Numbers	1. Even or odd 5K2 <i>Also consider</i> <ul style="list-style-type: none"> Identify numbers as even or odd JZQ Even or odd numbers on number lines XNB Which even or odd number comes before or after? BBV
Lesson 16-2: Use Arrays to Find Totals	1. Write addition sentences for arrays: sums up to 25 YHG
Lesson 16-3: Add on a Hundred Chart	1. Add two-digit numbers with regrouping C2B
Lesson 16-4: Break Apart Numbers to Add	1. Break apart a two-digit number to add 88U
Lesson 16-5: Subtract Tens and Ones on a Hundred Chart	1. Subtract two-digit numbers - with regrouping ZVQ <i>Also consider</i> <ul style="list-style-type: none"> Subtract a one-digit number from a two-digit number - without regrouping BAZ Subtract two-digit numbers - without regrouping CXJ Subtract a multiple of ten PYR
Lesson 16-6: Break Apart Numbers to Subtract	1. Break apart a one-digit number to subtract MU5 2. Complete the subtraction sentence - two digits minus one digit CJT <i>Also consider</i> <ul style="list-style-type: none"> Subtract a one-digit number from a two-digit number - with regrouping XJS
Lesson 16-7: Solve Problems with Coins	1. Names and values of all coins YE6 2. Count pennies, nickels, dimes, and quarters 8AK

Also consider

- Equivalent groups of coins TRL
- Money - word problems KJD
- Purchases: do you have enough money? S9S

Lesson 16-8: Understand Hundreds

1. Count by hundreds QT5

Lesson 16-9: Models and 3-Digit Numbers

1. Convert to/from a number - up to hundreds 78H
2. Place value models - up to hundreds DVP
3. Place value - up to hundreds JA6

Lesson 16-10: Read and Write 3-Digit Numbers

1. Convert between standard and expanded form JTY
 2. Writing numbers with digits and words - up to 1,000 3S6
-