



IXL Skill Alignment

1st alignment for enVisionMATH 2.0 Common Core Edition

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Topic 1

Solve Addition and Subtraction Problems to 10

Textbook section	IXL skills
1-1: Solve Problems: Add To	B.1 Add with pictures - sums up to 10 >>
1-2: Solve Problems: Put Together	B.1 Add with pictures - sums up to 10 >>
1-3: Solve Problems: Both Addends Unknown	
1-4: Solve Problems: Take From	
1-5: Solve Problems: Compare Situations	
1-6: Continue to Solve Problems: Compare Situations	
1-7: Practice Solving Problems: Add To	
1-8: Solve Problems: Put Together/Take Apart	
1-9: Construct Arguments	

Topic 2

Fluently Add and Subtract Within 10

Textbook section	IXL skills
2-1: Count on to Add	B.3 Addition sentences using number lines - sums up to 10 >> <i>See also:</i> D.1 Addition facts - sums up to 10 >> D.5 Addition word problems - sums up to 10 >> D.6 Addition sentences for word problems - sums up to 10 >>
2-2: Doubles	
2-3: Near Doubles	
2-4: Facts with 5 on a Ten-Frame	
2-5: Add in Any Order	D.14 Related addition facts >>
2-6: Count Back to Subtract	F.3 Subtraction sentences using number lines - numbers up to 10 >> H.1 Subtraction facts - numbers up to 10 >> <i>See also:</i> G.1 Subtracting 1 >> G.2 Subtracting 2 >> G.3 Subtracting 3 >> H.6 Subtraction word problems - numbers up to 10 >> H.7 Subtraction sentences for word problems - numbers up to 10 >>
2-7: Think Addition to Subtract	
2-8: Continue to Think Addition to Subtract	

2-9: Solve Word Problems with Facts to 10

- D.5** Addition word problems - sums up to 10 >>
- D.6** Addition sentences for word problems - sums up to 10 >>
- H.6** Subtraction word problems - numbers up to 10 >>
- H.7** Subtraction sentences for word problems - numbers up to 10 >>

2-10: Look For and Use Structure

- D.2** Make a number using addition - sums up to 10 >>
- D.4** Ways to make a number - addition sentences >>

Topic 3

Addition Facts to 20: Use Strategies

Textbook section	IXL skills
3-1: Count On to Add	D.7 Addition sentences using number lines - sums up to 18 >> <i>See also:</i> D.8 Addition facts - sums up to 18 >> D.9 Addition word problems - sums up to 18 >> D.11 Addition facts - sums up to 20 >>
3-2: Count on to Add Using an Open Number Line	
3-3: Doubles	E.1 Add doubles - with models >> E.2 Add doubles >>
3-4: Double Plus 1	E.4 Add using doubles plus one >>
3-5: Doubles Plus 2	
3-6: Make 10 to Add	
3-7: Continue to Make 10 to Add	E.7 Complete the addition sentence - make ten >>
3-8: Explain Addition Strategies	D.8 Addition facts - sums up to 18 >> D.11 Addition facts - sums up to 20 >>
3-9: Solve Addition Word Problems with Facts to 20	D.9 Addition word problems - sums up to 18 >> D.10 Addition sentences for word problems - sums up to 18 >> D.13 Addition sentences for word problems - sums up to 20 >>
3-10: Critique Reasoning	

Topic 4

Subtraction Facts to 20: Use Strategies

Textbook section	IXL skills
4-1: Count to Subtract	H.8 Subtraction sentences using number lines - numbers up to 18 >>
4-2: Make 10 to Subtract	
4-3: Continue to Make 10 to Subtract	
4-4: Fact Families	J.3 Fact families >> <i>See also:</i> D.14 Related addition facts >> H.13 Related subtraction facts >>
4-5: Use Addition to Subtract	I.1 Relate addition and subtraction sentences >>
4-6: Continue to Use Addition to Subtract	
4-7: Explain Subtraction Strategies	H.1 Subtraction facts - numbers up to 10 >> H.9 Subtraction facts - numbers up to 18 >>
4-8: Solve Word Problems with Facts to 20	D.9 Addition word problems - sums up to 18 >> D.10 Addition sentences for word problems - sums up to 18 >> D.13 Addition sentences for word problems - sums up to 20 >> H.10 Subtraction word problems - numbers up to 18 >> H.11 Subtraction sentences for word problems - numbers up to 18 >> J.6 Addition and subtraction word problems >>
4-9: Reasoning	

Topic 5

Work with Addition and Subtraction Equations

Textbook section	IXL skills
5-1: Find the Unknown Numbers	D.3 Complete the addition sentence - sums up to 10 >>
	H.5 Complete the subtraction sentence >>
	<i>See also:</i> E.7 Complete the addition sentence - make ten >>
5-2: True or False Equations	D.15 Addition sentences: true or false? >>
	H.14 Subtraction sentences: true or false? >>
	J.7 Addition and subtraction sentences: true or false? >>
5-3: Make True Equations	
5-4: Word Problems with Three Addends	E.12 Add three numbers - word problems >>
5-5: Add Three Numbers	E.6 Add three numbers - use doubles >>
	E.8 Add three numbers - make ten >>
	E.11 Add three numbers >>
5-6: Solve Addition and Subtraction Word Problems	D.5 Addition word problems - sums up to 10 >>
	D.6 Addition sentences for word problems - sums up to 10 >>
	D.9 Addition word problems - sums up to 18 >>
	D.10 Addition sentences for word problems - sums up to 18 >>
	D.13 Addition sentences for word problems - sums up to 20 >>
	H.6 Subtraction word problems - numbers up to 10 >>
	H.7 Subtraction sentences for word problems - numbers up to 10 >>
	H.10 Subtraction word problems - numbers up to 18 >>

H.11 Subtraction sentences for word problems - numbers up to 18 >>

J.6 Addition and subtraction word problems >>

5-7: Precision

J.2 Which sign makes the number sentence true? >>

Topic 6

Represent and Interpret Data

Textbook section	IXL skills
6-1: Organize Data into Three Categories	
6-2: Collect and Represent Data	0.1 Record data with tally charts, picture graphs, tables >>
6-3: Interpret Data	0.2 Interpret data in tally charts, picture graphs, tables >>
6-4: Continue to Interpret Data	
6-5: Make Sense and Persevere	

Topic 7

Extend the Counting Sequence

Textbook section	IXL skills	
7-1: Count by 10s to 120	A.6	Counting by tens - up to 100 >>
7-2: Count by 1s to 120		
7-3: Count on a Number Chart to 120		
7-4: Count by 1s or 10s to 120		
7-5: Count on an Open Number Line		
7-6: Count and Write Numerals	A.7	Counting - up to 100 >>
	A.8	Counting tens and ones - up to 99 >>
7-7: Repeated Reasoning		

Topic 8

Understand Place Value

Textbook section	IXL skills
8-1: Make Numbers 11 to 19	M.2 Write numbers as tens and ones up to 20 >>
8-2: Numbers Made with Tens	
8-3: Count with Groups of Tens and Leftovers	
8-4: Tens and Ones	M.1 Place value models up to 20 >> M.3 Place value models up to 100 >>
8-5: Continue with Tens and Ones	M.5 Write numbers as tens and ones >>
8-6: Look For and Use Structure	

Topic 9

Compare Two-Digit Numbers

Textbook section	IXL skills	
9-1: 1 More, 1 Less, 10 More, 10 Less	J.8	Ten more or less >>
9-2: Make Numbers on a Hundred Chart	A.14	Hundred chart >>
9-3: Compare Numbers		
9-4: Compare Numbers with Symbols ($>$, $<$, $=$)	K.2	Comparing numbers up to 10 >>
	K.3	Comparing numbers up to 100 >>
9-5: Compare Numbers on a Number Line	K.2	Comparing numbers up to 10 >>
	K.3	Comparing numbers up to 100 >>
	<i>See also:</i>	
	K.4	Comparison word problems >>
9-6: Make Sense and Persevere		

Topic 10

Use Models and Strategies to Add Tens and Ones

Textbook section	IXL skills	
10-1: Add Tens Using Models		
10-2: Mental Math: Ten More Than a Number		
10-3: Add Tens and Ones Using a Hundred Chart		
10-4: Add Tens and Ones Using an Open Number Line		
10-5: Add Tens and Ones Using Models		
10-6: Make a Ten to Add		
10-7: Add Using Place Value	D.16	Add a one-digit number to a two-digit number - without regrouping >>
	D.19	Add a one-digit number to a two-digit number - with regrouping >>
10-8: Practice Adding Using Strategies	D.16	Add a one-digit number to a two-digit number - without regrouping >>
	D.19	Add a one-digit number to a two-digit number - with regrouping >>
	E.10	Add a multiple of ten >>
10-9: Model with Math		

Topic 11

Use Models and Strategies to Subtract Tens

Textbook section	IXL skills
11-1: Subtract Tens Using Models	
11-2: Subtract Tens Using a Hundred Chart	
11-3: Subtract Tens Using an Open Number Line	
11-4: Use Addition to Subtract Tens	
11-5: Mental Math: Ten Less Than a Number	
11-6: Use Strategies to Practice Subtraction	I.3 Subtract multiples of 10 >> I.4 Subtract a multiple of 10 >>
11-7: Model with Math	

Topic 12

Measure Lengths

Textbook section	IXL skills
12-1: Compare and Order by Length	P.2 Compare objects: length and height >>
12-2: Indirect Measurement	
12-3: Use Units to Measure Length	P.3 Measure using objects >>
12-4: Continue to Measure Length	
12-5: Use Appropriate Tools	

Topic 13

Time

Textbook section	IXL skills
13-1: Understand the Hour and Minute Hands	
13-2: Tell and Write Time to the Hour	
13-3: Tell and Write Time to the Half Hour	U.1 Match digital clocks and times >>
	U.2 Match analog clocks and times >>
	U.3 Match analog and digital clocks >>
	U.4 Read clocks and write times >>
13-4: Reasoning	

Topic 14

Reason with Shapes and Their Attributes

Textbook section	IXL skills
14-1: Use Attributes to Define Two-Dimensional (2-D) Shapes	V.3 Count sides and vertices >> V.5 Open and closed shapes >> <i>See also:</i> V.1 Name the two-dimensional shape >>
14-2: Defining and Non-Defining Attributes of 2-D Shapes	
14-3: Build and Draw 2-D Shapes by Attributes	
14-4: Compose 2-D Shapes	
14-5: Compose New 2-D Shapes from 2-D Shapes	
14-6: Use Attributes to Define Three-Dimensional (3-D) Shapes	W.5 Count vertices, edges, and faces >> <i>See also:</i> W.9 Shapes of everyday objects I >> W.10 Shapes of everyday objects II >>
14-7: Defining and Non-Defining Attributes of 3-D Shapes	
14-8: Compose with 3-D Shapes	
14-9: Make Sense and Persevere	

Topic 15

Equal Shares of Circles and Rectangles

Textbook section	IXL skills
15-1: Make Equal Shares	X.1 Equal parts - halves and fourths >>
15-2: Make Halves and Fourths of Rectangles and Circles	
15-3: Understand Halves and Fourths	
15-4: Model with Math	

Step Up to Grade 2

Textbook section	IXL skills
Lesson 1: Even and Odd Numbers	
Lesson 2: Use Arrays to Find Totals	E.22 Identify repeated addition in arrays: sums to 10 >> E.23 Write addition sentences for arrays: sums to 10 >> E.24 Identify repeated addition in arrays: sums to 25 >> E.25 Write addition sentences for arrays: sums to 25 >>
Lesson 3: Add on a Hundred Chart	
Lesson 4: Models to Add 2-Digit Numbers	
Lesson 5: Subtract on a Hundred Chart	
Lesson 6: Models to Subtract 2- and 1-Digit Numbers	
Lesson 7: Tell Time to Five Minutes	Q.3 Match analog and digital clocks >>
Lesson 8: Understand Hundreds	
Lesson 9: Counting Hundreds, Tens, and Ones	M.1 Place value models - tens and ones >> M.2 Place value models - up to hundreds >>
Lesson 10: Skip Count by 5, 10, and 100, to 1,000	