



IXL Skill Alignment

2nd grade alignment for Eureka Math Common Core Curriculum



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www.ixl.com/math/skill-plans/eureka-math-common-core-curriculum-2nd-grade

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Module 1

Sums and Differences to 20

Textbook section

Topic A: Foundations for Fluency with Sums and Differences Within 100

IXL skills

1. Add one-digit numbers - sums to 10 M55
2. Ways to make a number with addition - sums to 10 KKE
3. Subtract one-digit numbers - up to 10 VY2
4. Ways to subtract - up to 10 RHJ
5. Place value models - tens and ones HQR

Also consider

- Complete the addition sentence - sums to 20 MQX
- Complete the subtraction sentence - up to 18 QS5

Topic B: Initiating Fluency with Addition and Subtraction Within 100

1. Subtract a one-digit number from a two-digit number up to 18 HSU
2. Subtraction word problems - up to 18 2FD
3. Subtraction sentences for word problems - up to 18 AZ8
4. Add multiples of 10 NPQ
5. Subtract a one-digit number from a two-digit number - with regrouping P85

Also consider

- Add one-digit numbers 5C6
- Addition word problems - sums to 20 EN6
- Addition sentences for word problems - sums to 20 VSF
- Add a two-digit and a one-digit number - without regrouping EZ7
- Add a two-digit and a one-digit number - with regrouping 8BT
- Subtract a one-digit number from a two-digit number - without regrouping L8D
- Related addition facts YDX
- Related subtraction facts P6Y



- Fact families NSN
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Module 2

Addition and Subtraction of Length Units

Textbook section	IXL skills
Topic A: Understand Concepts About the Ruler	<ol style="list-style-type: none">1. Measure using a centimeter ruler 7WA <p><i>Also consider</i></p> <ul style="list-style-type: none">• Metric units of length: word problems KJ5
Topic B: Measure and Estimate Length Using Different Measurement Tools	<ol style="list-style-type: none">1. Measure using a centimeter ruler 7WA2. Which metric unit of length is appropriate? SKH
Topic C: Measure and Compare Lengths Using Different Length Units	<ol style="list-style-type: none">1. Metric units of length: word problems KJ5
Topic D: Relate Addition and Subtraction to Length	<ol style="list-style-type: none">1. Metric units of length: word problems KJ5

Module 3

Place Value, Counting, and Comparison of Numbers to 1000

Textbook section	IXL skills
Topic A: Forming Base Ten Units of Ten, a Hundred, and a Thousand	<ol style="list-style-type: none"> Place value models - tens and ones HQR Place value models - up to hundreds PBX
Topic B: Understanding Place Value Units of One, Ten, and a Hundred	<ol style="list-style-type: none"> Place value models - up to hundreds PBX
Topic C: Three-Digit Numbers in Unit, Standard, Expanded, and Word Forms	<ol style="list-style-type: none"> Writing numbers up to 1,000 in words - convert words to digits JKD Place value models - up to hundreds PBX Identify a digit up to the hundreds place 45U Place value - tens and ones RSH Place value - up to hundreds BDF Convert to/from a number - tens and ones GDN Regroup tens and ones 5LV Convert to/from a number - up to hundreds HUX Convert from expanded form - up to hundreds LG5 <p><i>Also consider</i></p> <ul style="list-style-type: none"> Regroup tens and ones - ways to make a number JKT
Topic D: Modeling Base Ten Numbers Within 1,000 with Money	
Topic E: Modeling Numbers Within 1,000 with Place Value Disks	<ol style="list-style-type: none"> Place value models - up to hundreds PBX Convert to/from a number - tens and ones GDN Regroup tens and ones - ways to make a number JKT Convert to/from a number - up to hundreds HUX <p><i>Also consider</i></p> <ul style="list-style-type: none"> Regroup tens and ones 5LV



Topic F: Comparing Two Three-Digit Numbers

1. Comparing numbers up to 1,000 XF9
2. Put numbers up to 1,000 in order 3N2

Topic G: Finding 1, 10, and 100 More or Less Than a Number

1. Hundreds chart LHN
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Module 4

Addition and Subtraction Within 200 with Word Problems to 100

Textbook section	IXL skills
<p>Topic A: Sums and Differences Within 100</p>	<ol style="list-style-type: none"> 1. Hundreds chart LHN 2. Write the addition sentence - up to two digits 5FM 3. Subtract two two-digit numbers - with regrouping TWE 4. Subtraction word problems - up to two digits UFU 5. Write the subtraction sentence - up to two digits ZQH 6. Addition and subtraction word problems - up to 100 MEP
<p>Topic B: Strategies for Composing a Ten</p>	<ol style="list-style-type: none"> 1. Add two-digit numbers without regrouping - sums to 100 TX5 2. Addition word problems - up to two digits XAT 3. Write the addition sentence - up to two digits 5FM
<p>Topic C: Strategies for Decomposing a Ten</p>	<ol style="list-style-type: none"> 1. Subtract a one-digit number from a two-digit number - without regrouping L8D 2. Subtract a one-digit number from a two-digit number - with regrouping P85 3. Subtract two two-digit numbers - without regrouping R8C 4. Subtract two two-digit numbers - with regrouping TWE 5. Subtraction word problems - up to two digits UFU 6. Write the subtraction sentence - up to two digits ZQH <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Balance subtraction equations - up to two digits SRC

Topic D: Strategies for Composing Tens and Hundreds

1. Add four or more one-digit numbers 77J
2. Add multiples of 10 NPQ
3. Add two-digit numbers with regrouping - sums to 100 GLX
4. Addition word problems - up to two digits XAT
5. Write the addition sentence - up to two digits 5FM
6. Add three numbers up to two digits each YTH
7. Add three numbers up to two digits each: word problems 52T
8. Add four numbers up to two digits each DP6
9. Add four numbers up to two digits each: word problems YSX

Also consider

- Ways to make a number using addition S5E

Topic E: Strategies for Decomposing Tens and Hundreds

1. Subtract two two-digit numbers - with regrouping TWE

Topic F: Student Explanations of Written Methods

1. Add two-digit numbers with regrouping - sums to 100 GLX
2. Addition word problems - up to two digits XAT
3. Write the addition sentence - up to two digits 5FM
4. Add three numbers up to two digits each: word problems 52T
5. Subtraction word problems - up to two digits UFU
6. Write the subtraction sentence - up to two digits ZQH
7. Addition and subtraction word problems - up to 100 MEP

Module 5

Addition and Subtraction Within 1000 with Word Problems to 100

Textbook section	IXL skills
Topic A: Strategies for Adding and Subtracting Within 1,000	
Topic B: Strategies for Composing Tens and Hundreds Within 1,000	
Topic C: Strategies for Decomposing Tens and Hundreds Within 1,000	<ol style="list-style-type: none">1. Subtract three-digit numbers ZVR <p><i>Also consider</i></p> <ul style="list-style-type: none">• Complete the subtraction sentence - up to three digits MDY
Topic D: Student Explanations for Choice of Solution Methods	<ol style="list-style-type: none">1. Subtract three-digit numbers ZVR <p><i>Also consider</i></p> <ul style="list-style-type: none">• Complete the subtraction sentence - up to three digits MDY

Module 6

Foundations of Multiplication and Division

Textbook section	IXL skills
Topic A: Formation of Equal Groups	1. Count equal groups LHS
Topic B: Arrays and Equal Groups	1. Identify repeated addition in arrays: sums to 10 F7E 2. Write addition sentences for arrays: sums to 10 Z7N 3. Identify repeated addition in arrays: sums to 25 EUS 4. Write addition sentences for arrays: sums to 25 W8T
Topic C: Rectangular Arrays as a Foundation for Multiplication and Division	1. Identify repeated addition in arrays: sums to 10 F7E 2. Identify repeated addition in arrays: sums to 25 EUS
Topic D: The Meaning of Even and Odd Numbers	1. Even or odd 54Z 2. Add doubles using models S57 <i>Also consider</i> <ul style="list-style-type: none"> • Even or odd numbers on number lines S8E • Identify numbers as even or odd RGJ • Select even or odd numbers JLX • Which even or odd number comes before or after? CJK

Module 7

Problem Solving with Length, Money, and Data

Textbook section	IXL skills
<p>Topic A: Problem Solving with Categorical Data</p>	<ol style="list-style-type: none"> 1. Interpret tally charts 2VQ 2. Interpret bar graphs II 8CH 3. Which bar graph is correct? BMG <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Create bar graphs 6KD • Interpret pictographs II YL6 • Create pictographs II P2T
<p>Topic B: Problem Solving with Coins and Bills</p>	<ol style="list-style-type: none"> 1. Count money - pennies, nickels, and dimes only AVN 2. Equivalent amounts of money - up to \$1 MGA 3. Comparing groups of coins FVT 4. Add money - up to \$1: word problems ZWJ 5. Subtract money - up to \$1: word problems ME9 6. Add and subtract money - up to \$1: word problems N5Y 7. Least number of coins QAP 8. How much more to make a dollar? V9L <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Names and values of common coins 2QM • Count money - up to \$1 DGK • Exchanging money - with pictures VZD • Add money - up to \$1 6X3 • Subtract money - up to \$1 WH5 • Add and subtract money - up to \$1 LYC • Purchases - do you have enough money - up to \$1 F62 • Making change LYP
<p>Topic C: Creating an Inch Ruler</p>	<ol style="list-style-type: none"> 1. Measure using an inch ruler 88A

Topic D: Measuring and Estimating Length Using Customary and Metric Units

1. Measure using an inch ruler 88A
 2. Which customary unit of length is appropriate: inches, feet, or yards? GKJ
 3. Customary units of length: word problems GSF
 4. Measure using a centimeter ruler 7WA
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Topic E: Problem Solving with Customary and Metric Units**Topic F:** Displaying Measurement Data

1. Interpret tally charts 2VQ
 2. Interpret line plots HY6
 3. Create line plots F2U
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Module 8

Time, Shapes, and Fractions as Equal Parts of Shapes

Textbook section	IXL skills
Topic A: Attributes of Geometric Shapes	<ol style="list-style-type: none">1. Count sides and vertices EAQ2. Compare sides and vertices G9N
Topic B: Composite Shapes and Fraction Concepts	<ol style="list-style-type: none">1. Equal parts H5R
Topic C: Halves, Thirds, and Fourths of Circles and Rectangles	
Topic D: Application of Fractions to Tell Time	<ol style="list-style-type: none">1. Match analog clocks and times D9K2. Read clocks and write times: hour and half hour AQW3. Read clocks and write times K7F4. Time words: o'clock, half, quarter 5TA5. A.M. or P.M. EJV6. Elapsed time I UDE7. Elapsed time II L9C