



IXL Skill Alignment

2nd alignment for Eureka Math Common Core Curriculum

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Module 1

Sums and Differences to 20

| Textbook section | IXL skills |
|---|---|
| <p>Topic A: Foundations for Fluency with Sums and Differences Within 100</p> | <p>E.1 Review - add one-digit numbers - sums to 10 >></p> <p>E.2 Review - ways to make a number - sums to 10 >></p> <p>F.1 Review - subtract one-digit numbers - up to 10 >></p> <p>F.2 Review - ways to subtract - up to 10 >></p> <p>M.1 Place value models - tens and ones >></p> <p><i>See also:</i></p> <p>E.14 Complete the addition sentence - one digit >></p> <p>F.12 Complete the subtraction sentence - up to 18 >></p> |
| <p>Topic B: Initiating Fluency with Addition and Subtraction Within 100</p> | <p>F.8 Subtract a one-digit number from a two-digit number up to 18 >></p> <p>F.11 Subtraction word problems - up to 18 >></p> <p>F.13 Write the subtraction sentence - up to 18 >></p> <p>G.1 Add multiples of 10 >></p> <p>H.4 Subtract a one-digit number from a two-digit number - with regrouping >></p> <p><i>See also:</i></p> <p>E.7 Add one-digit numbers >></p> <p>E.13 Addition word problems - one digit >></p> <p>E.15 Write the addition sentence - one digit >></p> <p>G.3 Add a two-digit and a one-digit number - without regrouping >></p> <p>G.4 Add a two-digit and a one-digit number - with regrouping >></p> <p>H.3 Subtract a one-digit number from a two-digit number - without regrouping >></p> <p>K.1 Related addition facts >></p> <p>K.2 Related subtraction facts >></p> <p>K.3 Fact families >></p> |

Module 2

Addition and Subtraction of Length Units

| Textbook section | IXL skills |
|---|--|
| Topic A: Understand Concepts About the Ruler | S.8 Measure using a centimeter ruler >> <i>See also:</i> S.10 Metric units of length: word problems >> |
| Topic B: Measure and Estimate Length Using Different Measurement Tools | S.8 Measure using a centimeter ruler >> S.9 Which metric unit of length is appropriate? >> |
| Topic C: Measure and Compare Lengths Using Different Length Units | S.10 Metric units of length: word problems >> |
| Topic D: Relate Addition and Subtraction to Length | S.10 Metric units of length: word problems >> |

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 | <p>M.1 Place value models - tens and ones >></p> <p>M.2 Place value models - up to hundreds >></p> |
| Topic B: Understanding Place Value Units of One, Ten, and a Hundred | <p>M.2 Place value models - up to hundreds >></p> |
| Topic C: Three-Digit Numbers in Unit, Standard, Expanded, and Word Forms | <p>C.4 Writing numbers up to 1,000 in words - convert words to digits >></p> <p>M.2 Place value models - up to hundreds >></p> <p>M.4 Identify a digit up to the hundreds place >></p> <p>M.5 Place value - tens and ones >></p> <p>M.6 Place value - up to hundreds >></p> <p>M.8 Convert to/from a number - tens and ones >></p> <p>M.10 Regroup tens and ones >></p> <p>M.11 Convert to/from a number - up to hundreds >></p> <p>M.14 Convert from expanded form - up to hundreds >></p> <p><i>See also:</i></p> <p>M.9 Regroup tens and ones - ways to make a number >></p> |
| Topic D: Modeling Base Ten Numbers Within 1,000 with Money | |
| Topic E: Modeling Numbers Within 1,000 with Place Value Disks | <p>M.2 Place value models - up to hundreds >></p> <p>M.8 Convert to/from a number - tens and ones >></p> <p>M.9 Regroup tens and ones - ways to make a number >></p> <p>M.11 Convert to/from a number - up to hundreds >></p> |

See also:

M.10 [Regroup tens and ones >>](#)

Topic F: Comparing Two Three-Digit Numbers

B.2 [Comparing numbers up to 1,000 >>](#)

B.4 [Put numbers up to 1,000 in order >>](#)

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

A.7 [Hundreds chart >>](#)

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> | <p>A.7 Hundreds chart >></p> <p>G.11 Write the addition sentence - up to two digits >></p> <p>H.6 Subtract two two-digit numbers - with regrouping >></p> <p>H.9 Subtraction word problems - up to two digits >></p> <p>H.11 Write the subtraction sentence - up to two digits >></p> <p>L.10 Addition and subtraction word problems - up to 100 >></p> |
| <p>Topic B: Strategies for Composing a Ten</p> | <p>G.5 Add two two-digit numbers - without regrouping >></p> <p>G.9 Addition word problems - up to two digits >></p> <p>G.11 Write the addition sentence - up to two digits >></p> |
| <p>Topic C: Strategies for Decomposing a Ten</p> | <p>H.3 Subtract a one-digit number from a two-digit number - without regrouping >></p> <p>H.4 Subtract a one-digit number from a two-digit number - with regrouping >></p> <p>H.5 Subtract two two-digit numbers - without regrouping >></p> <p>H.6 Subtract two two-digit numbers - with regrouping >></p> <p>H.9 Subtraction word problems - up to two digits >></p> <p>H.11 Write the subtraction sentence - up to two digits >></p> <p><i>See also:</i></p> <p>H.12 Balance subtraction equations - up to two digits >></p> |

Topic D: Strategies for Composing Tens and Hundreds

- E.20** Add four or more one-digit numbers >>
- G.1** Add multiples of 10 >>
- G.6** Add two two-digit numbers - with regrouping >>
- G.9** Addition word problems - up to two digits >>
- G.11** Write the addition sentence - up to two digits >>
- G.13** Add three numbers up to two digits each >>
- G.14** Add three numbers up to two digits each: word problems >>
- G.15** Add four or more numbers up to two digits each >>
- G.16** Add four or more numbers up to two digits each: word problems >>

See also:

- G.8** Ways to make a number using addition >>

Topic E: Strategies for Decomposing Tens and Hundreds

- H.6** Subtract two two-digit numbers - with regrouping >>

Topic F: Student Explanations of Written Methods

- G.6** Add two two-digit numbers - with regrouping >>
- G.9** Addition word problems - up to two digits >>
- G.11** Write the addition sentence - up to two digits >>
- G.14** Add three numbers up to two digits each: word problems >>
- H.9** Subtraction word problems - up to two digits >>
- H.11** Write the subtraction sentence - up to two digits >>
- L.10** Addition and subtraction word problems - up to 100 >>

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

J.3 Subtract three-digit numbers >>

See also:

J.6 Complete the subtraction sentence - up to three digits >>

Topic D: Student Explanations for Choice of Solution Methods

J.3 Subtract three-digit numbers >>

See also:

J.6 Complete the subtraction sentence - up to three digits >>

Module 6

Foundations of Multiplication and Division

| Textbook section | IXL skills |
|--|---|
| Topic A: Formation of Equal Groups | Y.1 Count equal groups >> |
| Topic B: Arrays and Equal Groups | 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 >> |
| Topic C: Rectangular Arrays as a Foundation for Multiplication and Division | E.22 Identify repeated addition in arrays: sums to 10 >> |
| | E.24 Identify repeated addition in arrays: sums to 25 >> |
| Topic D: The Meaning of Even and Odd Numbers | A.9 Even or odd >> |
| | E.10 Add doubles using models >> |
| | <i>See also:</i> |
| | A.10 Even or odd numbers on number lines >> |
| | A.11 Identify numbers as even or odd >> |
| A.12 Select even or odd numbers >> | |
| A.13 Which even or odd number comes before or after? >> | |

Module 7

Problem Solving with Length, Money, and Data

| Textbook section | IXL skills | |
|--|--|--|
| Topic A: Problem Solving with Categorical Data | R.1 Interpret tally charts and tables >> | |
| | R.3 Interpret bar graphs II >> | |
| | R.4 Which bar graph is correct? >> | |
| | <i>See also:</i> | |
| | R.5 Create bar graphs >> | |
| | R.9 Interpret pictographs II >> | |
| | R.11 Create pictographs II >> | |
| | Topic B: Problem Solving with Coins and Bills | P.3 Count money - pennies, nickels, and dimes only >> |
| | | P.6 Equivalent amounts of money - up to \$1 >> |
| | | P.8 Comparing groups of coins >> |
| | | P.10 Add money - up to \$1: word problems >> |
| P.12 Subtract money - up to \$1: word problems >> | | |
| P.14 Add and subtract money - up to \$1: word problems >> | | |
| P.18 Least number of coins >> | | |
| P.19 How much more to make a dollar? >> | | |
| <i>See also:</i> | | |
| P.1 Names and values of common coins >> | | |
| P.4 Count money - up to \$1 >> | | |
| P.7 Exchanging money >> | | |
| P.9 Add money - up to \$1 >> | | |
| P.11 Subtract money - up to \$1 >> | | |
| P.13 Add and subtract money - up to \$1 >> | | |
| P.15 Purchases - do you have enough money - up to \$1 >> | | |
| P.20 Making change >> | | |
| Topic C: Creating an Inch Ruler | S.2 Measure using an inch ruler >> | |

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

- S.2** Measure using an inch ruler >>
 - S.3** Which customary unit of length is appropriate? >>
 - S.4** Customary units of length: word problems >>
 - S.8** Measure using a centimeter ruler >>
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Topic E: Problem Solving with Customary and Metric Units**Topic F:** Displaying Measurement Data

- R.1** Interpret tally charts and tables >>
 - R.6** Interpret line plots >>
 - R.7** Create line plots >>
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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 | T.3 Count sides and vertices >> |
| | T.4 Compare sides and vertices >> |
| Topic B: Composite Shapes and Fraction Concepts | W.1 Equal parts >> |
| Topic C: Halves, Thirds, and Fourths of Circles and Rectangles | |
| Topic D: Application of Fractions to Tell Time | Q.2 Match analog clocks and times >> |
| | Q.4 Read clocks and write times: hour and half hour >> |
| | Q.5 Read clocks and write times >> |
| | Q.6 Time words: o'clock, half, quarter >> |
| | Q.7 A.M. or P.M. >> |
| | Q.9 Elapsed time I >> |
| | Q.10 Elapsed time II >> |