



IXL Skill Alignment

2nd grade alignment for Investigations 3



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Unit 1

Coins, Number Strings, and Story Problems

Investigation 1: Introducing Math Tools and Classroom Routines

Textbook section	IXL skills
Session 1.1	1. Match addition sentences and models - sums to 10 A2L 2. Ways to make a number with addition - sums to 10 KKE
Session 1.2	1. Ways to subtract - up to 10 RHJ
Session 1.3	1. Names and values of common coins 2QM
Session 1.4	1. Hundreds chart LHN
Session 1.5	
Session 1.6	1. Number lines - up to 100 T6D

Investigation 2: Does Order Matter?

Textbook section	IXL skills
Session 2.1	
Session 2.2	1. Addition with pictures - sums to 20 PM8 2. Add one-digit numbers 5C6 3. Addition and subtraction - ways to make a number - up to 20 PD7
Session 2.3	1. Add three one-digit numbers YCC 2. Add three one-digit numbers: word problems VJ9
Session 2.4	
Session 2.5	1. Add four or more one-digit numbers 77J
Session 2.6	

Session 2.7**Session 2.8****Investigation 3: Comparing Quantities and Counting by Groups**

Textbook section	IXL skills
Session 3.1	1. Addition and subtraction word problems - up to 20 75R
Session 3.2	1. Add doubles 8Z7
Session 3.3	1. Count money - up to \$1 DGK
Session 3.4	1. Subtraction word problems - up to two digits UFU
Session 3.5	1. Count money - pennies, nickels, and dimes only AVN
Session 3.6	1. Place value models - tens and ones HQR
Session 3.7	1. Equivalent amounts of money - up to \$1 MGA

Investigation 4: Solving Story Problems

Textbook section	IXL skills
Session 4.1	1. Addition word problems - sums to 20 EN6 2. Addition sentences for word problems - sums to 20 VSF 3. Subtraction sentences for word problems - up to 18 AZ8 4. Addition and subtraction word problems - up to 20 75R 5. Subtraction word problems - up to 18 2FD
Session 4.2	1. Addition and subtraction word problems - up to 100 MEP
Session 4.3	1. Write the addition sentence - up to two digits 5FM



Session 4.4

1. Addition word problems - up to two digits XAT
2. Subtraction word problems - up to two digits UFU
3. Read clocks and write times: hour and half hour AQW

Session 4.5

Unit 2

Attributes of Shapes and Parts of a Whole

Investigation 1: Attributes of 2-D and 3-D Shapes

Textbook section	IXL skills
Session 1.1	<ol style="list-style-type: none"> 1. Equivalent amounts of money - up to \$1 MGA 2. Exchanging money - with pictures VZD
Session 1.2	<ol style="list-style-type: none"> 1. Identify faces of three-dimensional shapes QSR
Session 1.3	<ol style="list-style-type: none"> 1. Identify shapes traced from solids MRD
Session 1.4	<ol style="list-style-type: none"> 1. Add doubles using models S57 2. Add doubles 8Z7 3. Add doubles - complete the sentence S46
Session 1.5	<ol style="list-style-type: none"> 1. Addition and subtraction - ways to make a number - up to 20 PD7

Investigation 2: Quadrilaterals, Rectangles, and Squares

Textbook section	IXL skills
Session 2.1	
Session 2.2	<ol style="list-style-type: none"> 1. Complete the addition sentence - sums to 20 MQX 2. Shapes of everyday objects I 9VC 3. Shapes of everyday objects II 63Q
Session 2.3	<ol style="list-style-type: none"> 1. Hundreds chart LHN 2. Add one-digit numbers 5C6 3. Count sides and vertices EAQ 4. Compare sides and vertices G9N
Session 2.4	
Session 2.5	

Session 2.6

1. Add doubles 8Z7

Investigation 3: Halves, Quarters, and Thirds

Textbook section	IXL skills
Session 3.1	<ol style="list-style-type: none"> 1. Identify halves EZ2 2. Skip-counting by twos LK2
Session 3.2	<ol style="list-style-type: none"> 1. Identify lines of symmetry V2V
Session 3.3	<ol style="list-style-type: none"> 1. Make halves XME
Session 3.4	<ol style="list-style-type: none"> 1. Addition and subtraction - ways to make a number - up to 100 8WA
Session 3.5	<ol style="list-style-type: none"> 1. Equal parts H5R 2. Identify thirds EMA 3. Identify fourths V5Q 4. Make thirds 65F 5. Make fourths QZ9
Session 3.6	<ol style="list-style-type: none"> 1. Make halves, thirds, and fourths QD2 2. Make halves, thirds, and fourths in different ways 6SG
Session 3.7	<ol style="list-style-type: none"> 1. Identify halves, thirds, and fourths 24W
Session 3.8	

Unit 3

How many Stickers? How many Cents?

Investigation 1: Sticker Station

Textbook section	IXL skills
Session 1.1	1. Add and subtract numbers up to 20 QQP 2. Place value models - tens and ones HQR
Session 1.2	1. Convert to/from a number - tens and ones GDN
Session 1.3	1. Equivalent amounts of money - up to \$1 MGA 2. Add money - up to \$1: word problems ZWJ
Session 1.4	1. Addition and subtraction word problems - up to 20 75R 2. Addition and subtraction word problems - up to 100 MEP
Session 1.5	1. Write addition sentences to describe pictures - sums to 20 L2M 2. Complete the addition sentence - sums to 20 MQX
Session 1.6	1. Write addition sentences to describe pictures - sums to 20 L2M
Session 1.7	
Session 1.8	

Investigation 2: Adding and Subtracting Within 100

Textbook section	IXL skills
Session 2.1	1. Add three one-digit numbers YCC 2. Add four or more one-digit numbers 77J
Session 2.2	
Session 2.3	1. Add multiples of 10 NPQ

Session 2.4

1. Convert to/from a number - tens and ones GDN

Session 2.5**Session 2.6**

1. Read clocks and write times: hour and half hour AQW

Session 2.7

1. How much more to make a dollar? V9L
2. Count money - up to \$1 DGK

Session 2.8

1. Count money - up to \$1 DGK

Session 2.9**Investigation 3: Problems with an Unknown Change or an Unknown Start****Textbook section****IXL skills****Session 3.1**

1. Least number of coins QAP
2. Addition and subtraction word problems - up to 100 MEP

Session 3.2

1. Convert between place values - ones and hundreds 9T6

Session 3.3

1. Subtraction word problems - up to two digits UFU
2. Write the subtraction sentence - up to two digits ZQH
3. Write the addition sentence - up to two digits 5FM
4. Addition word problems - up to two digits XAT

Session 3.4**Session 3.5**

1. Hundreds chart LHN
2. Input/output tables - add and subtract by 10 WR2

Session 3.6**Session 3.7**

Unit 4

Pockets, Teeth, and Guess My Rule

Investigation 1: Working with Categorical Data

Textbook section	IXL skills
Session 1.1	
Session 1.2	<ol style="list-style-type: none"> 1. Complete the addition sentence - sums to 20 MQX 2. Complete the subtraction sentence - up to 18 QS5
Session 1.3	<ol style="list-style-type: none"> 1. Interpret pictographs I QDT
Session 1.4	<ol style="list-style-type: none"> 1. Count shapes in a Venn diagram PBT 2. Sort shapes into a Venn diagram G7T
Session 1.5	<ol style="list-style-type: none"> 1. Interpret bar graphs II 8CH 2. Interpret bar graphs I RPD
Session 1.6	

Investigation 2: Working with Numerical Data

Textbook section	IXL skills
Session 2.1	<ol style="list-style-type: none"> 1. Create bar graphs 6KD 2. Interpret bar graphs I RPD 3. Interpret bar graphs II 8CH
Session 2.2	<ol style="list-style-type: none"> 1. Interpret line plots HY6 2. Which table is correct? 89J 3. Interpret data in tables LH7
Session 2.3	
Session 2.4	<ol style="list-style-type: none"> 1. Add and subtract numbers up to 20 QQP
Session 2.5	<ol style="list-style-type: none"> 1. Create line plots F2U

Session 2.6

1. Complete the addition sentence - sums to 20 MQX
 2. Complete the subtraction sentence - up to 18 QS5
 3. Addition and subtraction - ways to make a number - up to 20 PD7
 4. Count money - up to \$1 DGK
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Unit 5

How Many Tens? How Many Hundreds?

Investigation 1: Combinations of 100

Textbook section	IXL skills
Session 1.1	
Session 1.2	1. Hundreds chart LHN
Session 1.3	1. Addition word problems - up to two digits XAT
Session 1.4	1. How much more to make a dollar? V9L 2. Least number of coins QAP 3. Equivalent amounts of money - up to \$1 MGA
Session 1.5	1. Subtract multiples of 10 2Q6 2. Add multiples of 10 NPQ
Session 1.6	1. Read clocks and write times: hour and half hour AQW 2. Time words: o'clock, half, quarter 5TA

Investigation 2: Adding within 100 and Counting to 1,000

Textbook section	IXL skills
Session 2.1	1. Addition and subtraction - ways to make a number - up to 100 8WA
Session 2.2	1. Number lines - up to 100 T6D
Session 2.3	1. Place value models - up to hundreds PBX 2. Place value - up to hundreds BDF 3. Convert to/from a number - up to hundreds HUX
Session 2.4	1. Convert to/from a number - up to hundreds HUX

Session 2.5

1. Input/output tables - add and subtract by 100 C97
2. Input/output tables - add and subtract by 10 or 100 6XK
3. Input/output tables - add and subtract by 10 WR2

Session 2.6

1. Input/output tables - add and subtract by 10 or 100 6XK

Investigation 3: Fluency within 100**Textbook section****IXL skills****Session 3.1**

1. Addition word problems - up to two digits XAT
2. Add a two-digit and a one-digit number - without regrouping EZ7
3. Add a two-digit and a one-digit number - with regrouping 8BT
4. Add two-digit numbers without regrouping - sums to 100 TX5
5. Add two-digit numbers with regrouping - sums to 100 GLX
6. Read clocks and write times: hour and half hour AQW
7. Time words: o'clock, half, quarter 5TA

Session 3.2

1. Skip-counting by fives and tens FVF
2. Skip-counting by fives VHG

Session 3.3

1. Addition and subtraction - ways to make a number - up to 100 8WA
2. Greatest and least - word problems - up to 100 2F7

Session 3.4

1. Add money - up to \$1: word problems ZWJ
2. Addition word problems - up to two digits XAT

Session 3.5

1. Skip-counting puzzles U6J
2. Skip-counting stories SSL

Session 3.6

1. Ways to make a number using addition S5E
 2. Write the addition sentence - up to two digits 5FM
 3. Add four numbers up to two digits each DP6
 4. Add four numbers up to two digits each: word problems YSX
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Session 3.7

1. Add three numbers up to two digits each YTH
 2. Add three numbers up to two digits each: word problems 52T
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Session 3.8

Unit 6

How Far Can You Jump?

Investigation 1: The Land of Inch

Textbook section	IXL skills
Session 1.1	1. Read clocks and write times: hour and half hour AYW
Session 1.2	
Session 1.3	
Session 1.4	1. Create line plots F2U
Session 1.5	1. Measure using an inch ruler 88A 2. Customary units of length: word problems GSF
Session 1.6	1. Interpret line plots HY6

Investigation 2: Two Measurement Systems

Textbook section	IXL skills
Session 2.1	1. Which customary unit of length is appropriate: inches, feet, or yards? GKJ 2. Measure using an inch ruler 88A 3. Customary units of length: word problems GSF
Session 2.2	1. Customary units of length: word problems GSF
Session 2.3	1. Measure using a centimeter ruler 7WA
Session 2.4	1. Interpret line plots HY6
Session 2.5	1. Which metric unit of length is appropriate? SKH 2. Metric units of length: word problems KJ5
Session 2.6	1. Two-step addition and subtraction word problems - up to 100 7P8

Unit 7

Partners, Teams, and Other Groups

Investigation 1: Is It Even or Odd?

Textbook section	IXL skills
Session 1.1	1. Select even or odd numbers JLX
Session 1.2	1. Even or odd 54Z 2. Which even or odd number comes before or after? CJK
Session 1.3	1. Identify numbers as even or odd RGJ
Session 1.4	

Investigation 2: Exploring Equal Groups

Textbook section	IXL skills
Session 2.1	1. Addition and subtraction - ways to make a number - up to 100 8WA
Session 2.2	
Session 2.3	1. Skip-counting stories SSL 2. Count equal groups LHS
Session 2.4	1. Match analog clocks and times D9K 2. A.M. or P.M. EJV
Session 2.5	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
Session 2.6	1. Add four numbers up to two digits each DP6

Unit 8

Enough for the Class? Enough for the Grade?

Investigation 1: Subtraction: Fluency within 100

Textbook section	IXL skills
Session 1.1	<ol style="list-style-type: none"> 1. Match analog clocks and times D9K 2. Read clocks and write times K7F 3. A.M. or P.M. EJV
Session 1.2	
Session 1.3	
Session 1.4	<ol style="list-style-type: none"> 1. Read clocks and write times K7F
Session 1.5	<ol style="list-style-type: none"> 1. Subtraction word problems - up to two digits UFU 2. Write the subtraction sentence - up to two digits ZQH
Session 1.6	
Session 1.7	<ol style="list-style-type: none"> 1. Complete the subtraction sentence - up to two digits YWC 2. Ways to make a number using subtraction DTN
Session 1.8	<ol style="list-style-type: none"> 1. Subtract money - up to \$1: word problems ME9
Session 1.9	<ol style="list-style-type: none"> 1. Subtract a one-digit number from a two-digit number - without regrouping L8D 2. Subtract two two-digit numbers - without regrouping R8C 3. Subtract two two-digit numbers - with regrouping TWE 4. Subtract a one-digit number from a two-digit number - with regrouping P85
Session 1.10	
Session 1.11	

Investigation 2: Models for Adding and Subtracting Larger Numbers

Textbook section	IXL skills
Session 2.1	<ol style="list-style-type: none"> 1. Convert to/from a number - up to hundreds HUX 2. Convert from expanded form - up to hundreds LG5 3. Place value - up to hundreds BDF
Session 2.2	<ol style="list-style-type: none"> 1. Addition with three-digit numbers ETW
Session 2.3	<ol style="list-style-type: none"> 1. Addition word problems - up to three digits UV2
Session 2.4	<ol style="list-style-type: none"> 1. Complete the addition sentence - up to three digits R5W
Session 2.5	<ol style="list-style-type: none"> 1. Add and subtract numbers up to 20 QQP
Session 2.6	<ol style="list-style-type: none"> 1. Subtract three-digit numbers ZVR 2. Subtraction word problems - up to three digits ZMA
Session 2.7	<ol style="list-style-type: none"> 1. Complete the addition sentence - up to three digits R5W
Session 2.8	
Session 2.9	<ol style="list-style-type: none"> 1. Write the subtraction sentence - up to three digits 5B3 2. Write the addition sentence - up to three digits PQT