



IXL Skill Alignment

3rd grade alignment for Bridges[®] in Mathematics



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Unit 1

Addition & Subtraction Patterns

Module 1: Community Building & Addition Facts to Twenty

Textbook section	IXL skills
Session 1.1.1: Making People Glyphs	
Session 1.1.2: Sorting & Classifying People Glyphs	1. Read bar graphs NL8
Session 1.1.3: Unit 1 Pre-Assessment & Number Rack Review	1. Write addition sentences to describe pictures - sums to 20 4H9 <i>Also consider</i> • Addition with pictures - sums to 20 RQJ
Session 1.1.4: The Addition Table, Part 1	1. Add doubles NLQ 2. Add using doubles plus or minus one WGD 3. Complete the addition sentence - make ten XBU
Session 1.1.5: The Addition Table, Part 2	1. Add one-digit numbers LFA 2. Complete the addition sentence - sums to 20 TGL 3. Ways to make a number with addition - sums to 20 9LM

Module 2: Subtraction Facts to Twenty

Textbook section	IXL skills
Session 1.2.1: The Subtraction Table, Part 1	1. Subtract zero/all 2ET 2. Subtract a one-digit number from a two-digit number up to 18 C55 <i>Also consider</i> • Subtraction with pictures XPY
Session 1.2.2: The Subtraction Table, Part 2	1. Subtract doubles 4W8 2. Subtract a two-digit number from a two-digit number up to 18 2K9

Also consider

- Fact families UVG

Session 1.2.3: Addition & Subtraction Checkpoint

1. Ways to subtract - up to 10 39R
2. Add and subtract numbers up to 20 M8Q
3. Addition and subtraction word problems - up to 20 A5E

Also consider

- Addition and subtraction sentences for word problems - up to 20 7UM

Session 1.2.4: Introducing Work Place 1D
Subtraction Bingo

1. Complete addition and subtraction sentences - up to 20 ECC
2. Balance addition and subtraction equations - up to 20 24J

Module 3: Double-Digit Addition**Textbook section****IXL skills****Session 1.3.1:** Scavenger Hunt for Lengths

1. Count forward and backward by tens WPJ
2. Measure using a centimeter ruler MPX

Also consider

- Addition and subtraction - ways to make a number - up to 20 LJ5

Session 1.3.2: Adding Lengths

1. Addition sentences using number lines - sums up to 20 FRD

Session 1.3.3: Adding Lengths Forum

1. Add three or more one-digit numbers WXS
2. Add three or more one-digit numbers: word problems 5J3

Session 1.3.4: Introducing Work Place 1E Carrot
Grab

1. Add multiples of 10 VPT
2. Use models to add two-digit numbers DJM

Session 1.3.5: Strings & Strategies

1. Add numbers - sums up to 100 TCS

Module 4: Story Problems & Strategies

Textbook section	IXL skills
Session 1.4.1: Introducing Work Place 1F Rabbit Tracks	1. Add multiples of 10 or 100 6TG <i>Also consider</i> <ul style="list-style-type: none"> Place value - ones, tens, and hundreds BZC
Session 1.4.2: Two-Digit Addition Story Problems	1. Addition word problems - up to two digits Y6C
Session 1.4.3: Two-Digit Addition Story Problems Forum	1. Add and subtract numbers up to 100 JGG 2. Addition and subtraction word problems - up to 100 V7P
Session 1.4.4: Strategies for Subtracting Two-Digit Numbers	1. Subtract numbers - up to two digits 9N9 <i>Also consider</i> <ul style="list-style-type: none"> Subtraction word problems - up to two digits 8G9
Session 1.4.5: Multi-Step Subtraction Problems	1. Two-step addition and subtraction word problems - up to 100 L96 <i>Also consider</i> <ul style="list-style-type: none"> Add and subtract money - up to \$1: word problems T8H
Session 1.4.6: Unit 1 Post-Assessment	1. Add two-digit numbers - sums to 200 GF2

Unit 2

Introduction to Multiplication

Module 1: Multiplication in Context

Textbook section	IXL skills
Session 2.1.1: The Pet Store	<ol style="list-style-type: none"> Count equal groups 9K7 Write addition sentences for arrays: sums to 25 A87 <p><i>Also consider</i></p> <ul style="list-style-type: none"> Skip-counting sequences 5FD Identify repeated addition in arrays: sums to 25 ER2
Session 2.1.2: Unit 2 Pre-Assessment	<ol style="list-style-type: none"> Identify multiplication expressions for equal groups 9AE <p><i>Also consider</i></p> <ul style="list-style-type: none"> Relate addition and multiplication P74
Session 2.1.3: Stamps & Assessment Reflections	<ol style="list-style-type: none"> Relate addition and multiplication for equal groups GGC
Session 2.1.4: Stamps	<ol style="list-style-type: none"> Multiplication word problems: factors up to 5 HDU
Session 2.1.5: Seascape Problems	<ol style="list-style-type: none"> Write multiplication sentences for equal groups V98 <p><i>Also consider</i></p> <ul style="list-style-type: none"> Write variable equations to represent word problems: addition, subtraction, and multiplication 5XU
Session 2.1.6: Seascape Forum	<ol style="list-style-type: none"> Multiplication word problems: find the missing number UAD

Module 2: Multiplying with Arrays & Number Lines

Textbook section	IXL skills
Session 2.2.1: Count-Arounds	1. Skip-counting puzzles 78C
Session 2.2.2: Cube Trains & Multiples Strips	1. Compare numbers using multiplication 5JE <i>Also consider</i> • Compare numbers using multiplication: word problems Z46
Session 2.2.3: Watertown's Window Washer	1. Identify multiplication expressions for arrays HZL 2. Write multiplication sentences for number lines NTV
Session 2.2.4: Wally Keeps Washing	1. Multiply by 5 and 10 G48 <i>Also consider</i> • Distributive property: fill in the missing number 7UP
Session 2.2.5: The Watertown Post Office	1. Write multiplication sentences for arrays 5FZ 2. Make arrays to model multiplication PPR

Module 3: Ratio Tables & the Multiplication Table

Textbook section	IXL skills
Session 2.3.1: Doubling String & Pet Store Story Problems	1. Multiply by 2 94M <i>Also consider</i> • Multiplication facts for 2, 3, 4, and 5: find the missing factor RYN
Session 2.3.2: Price Lists	1. Multiplication input/output tables 8CM <i>Also consider</i> • Multiplication input/output tables: find the rule D5U

Session 2.3.3: Multiplication Strategies, Part 1 of 2

1. Multiplication facts for 2, 3, 4, and 8 BHJ

Also consider

- Complete the addition, subtraction, or multiplication sentence YWL
- Multiplication facts up to 10: true or false? 3K8

Session 2.3.4: Multiplication Strategies, Part 2 of 2

1. Multiplication facts for 5, 6, 7, 9, and 10 QG9

Also consider

- Addition, subtraction, and multiplication word problems XN2

Session 2.3.5: Ice Cream Survey

1. Create pictographs AVG
2. Create bar graphs RPF

Also consider

- Multiplication tables up to 10 PNV
- Multiplication facts up to 10: find the missing factor FZA

Module 4: Story Problems with Graphs & Multiple Operations**Textbook section****IXL skills****Session 2.4.1:** Book Lovers Survey

1. Interpret pictographs Y5D

Session 2.4.2: Library Books Data

1. Interpret bar graphs V54

Also consider

- Interpret line plots YXD

Session 2.4.3: Library Books Problems

1. Create line plots H5J
2. Two-step addition and subtraction word problems CBA

Session 2.4.4: Unit 2 Post-Assessment

1. Multiplication facts up to 10: sorting SUJ

Unit 3

Multi-Digit Addition & Subtraction

Module 1: Rounding & Multi-Digit Addition

Textbook section	IXL skills
Session 3.1.1: Unit 3 Pre-Assessment	1. Place value FDL
Session 3.1.2: Rounding to the Nearest Ten	1. Round to the nearest ten using a number line 8X3 2. Round to the nearest ten JDN
Session 3.1.3: Round & Add Tens	1. Estimate sums: round to tens WBC <i>Also consider</i> <ul style="list-style-type: none"> Estimate sums by rounding to the nearest ten: word problems QM2
Session 3.1.4: Rounding to the Nearest Hundred	1. Round using a number line - nearest ten or hundred 6ST 2. Round to the nearest hundred BWN 3. Add multiples of 100 5JG
Session 3.1.5: Three-Digit Addition Story Problems	1. Add two numbers up to three digits: word problems QU2
Session 3.1.6: Three-Digit Addition Story Problems Forum	1. Write the addition sentence - up to three digits 2ZC <i>Also consider</i> <ul style="list-style-type: none"> Add using properties KYA

Module 2: Multi-Digit Subtraction

Textbook section	IXL skills
Session 3.2.1: Three-Digit Subtraction Story Problems	1. Subtract multiples of 10 or 100 PF2 <i>Also consider</i> <ul style="list-style-type: none"> Rounding - nearest ten or hundred only Q65

Session 3.2.2: Constant Difference

1. Subtract three-digit numbers: without regrouping NVN

Also consider

- Related subtraction facts MK2

Session 3.2.3: Which Makes the Most Sense?

1. Estimate differences: up to three digits 42M

Session 3.2.4: Charting Subtraction Strategies

1. Estimate differences: word problems up to three digits Q88

Session 3.2.5: Subtraction Strategies Forum

1. Solve for the variable: addition and subtraction only BQT

Module 3: Estimating to Add & Subtract**Textbook section****IXL skills****Session 3.3.1:** Round & Add Hundreds

1. Estimate sums: round to hundreds H7F

Also consider

- Estimate sums by rounding to the nearest hundred: word problems EYT

Session 3.3.2: Sketching & Writing Expanded Notation

1. Place value models up to thousands DDS
2. Convert between standard and expanded form: up to thousands TU2

Session 3.3.3: About How Far?

1. Round using a number line P8E
2. Round to the nearest ten, hundred, or thousand HNU

Session 3.3.4: Solving Travel Miles Problems

1. Estimate sums and differences: word problems BU8

Module 4: Exploring the Algorithms for Addition & Subtraction**Textbook section****IXL skills****Session 3.4.1:** Exploring the Algorithm for Addition

1. Use models to add three-digit numbers: without regrouping ZBB
2. Use models to add three-digit numbers: with regrouping NWW

Session 3.4.2: Think Before You Add

1. Add two numbers up to three digits E83

Session 3.4.3: Exploring the Algorithm for Subtraction

1. Subtract numbers up to three digits EHT

Session 3.4.4: Think Before You Subtract

1. Subtract numbers up to three digits: word problems K88
2. Subtract across zeros 93U

Also consider

- Balance subtraction equations: up to three digits 8VK

Session 3.4.5: Unit 3 Post-Assessment

1. Choose numbers with a particular sum or difference 8UZ
2. Complete the addition or subtraction sentence PRH
3. Addition and subtraction word problems XSH

Unit 4

Measurement & Fractions

Module 1: Measuring Time & Mass

Textbook section	IXL skills
Session 4.1.1: Unit 4 Pre-Assessment	1. Match clocks and times: half hours and hours only G9U
Session 4.1.2: Telling Time	1. Match clocks and times LPT 2. Match analog and digital clocks L5U 3. Read clocks and write times 5ZQ <i>Also consider</i> <ul style="list-style-type: none"> Write times EQS
Session 4.1.3: Time on a Number Line	1. Reading a timeline LDK 2. Time word problems FTT
Session 4.1.4: Measurement – Big, Strong, Fast	1. Which customary unit is appropriate? 54W 2. Which metric unit is appropriate? FQ8
Session 4.1.5: Measuring Mass	
Session 4.1.6: Estimate, Measure & Compare the Mass	1. Which metric unit of weight is appropriate? PTF 2. Convert metric units of weight 9Q6

Module 2: Measuring Volume & Solving Measurement Story Problems

Textbook section	IXL skills
Session 4.2.1: Measuring Liquid Volume	1. Which metric unit of volume is appropriate? LYS 2. Convert metric units of volume 5NU
Session 4.2.2: Measurement Scavenger Hunt	1. Which metric unit of length is appropriate? YWR 2. Convert metric units of length UTN
Session 4.2.3: Measurement Story Problems	1. Measurement word problems VPW
Session 4.2.4: More Measurement Problems	1. Compare metric units NHT

Session 4.2.5: Multi-Step Measurement Problems Forum

1. Metric units of length: word problems KZM

Module 3: Fractions as Fair Shares

Textbook section	IXL skills
Session 4.3.1: Fair Shares, Unit Fractions	<ol style="list-style-type: none"> 1. Identify equal parts FHY 2. Make halves, thirds, fourths, sixths, and eighths JHE
Session 4.3.2: Comparing & Ordering Unit Fractions	<ol style="list-style-type: none"> 1. Compare unit fractions HVV 2. Match unit fractions to models CPK <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Unit fractions: modeling word problems UV8 • Unit fractions: word problems HM7
Session 4.3.3: Pattern Block Fractions	<ol style="list-style-type: none"> 1. Compare fractions using models MJ2 2. Show fractions: area models NLE
Session 4.3.4: Fractions as Distances	<ol style="list-style-type: none"> 1. Identify fractions on number lines AWH 2. Graph fractions on number lines 7QM
Session 4.3.5: Fractions on the Number Line	<ol style="list-style-type: none"> 1. Compare fractions using number lines 38T

Module 4: Fractions on a Line Plot

Textbook section	IXL skills
Session 4.4.1: Creating & Measuring Beanstalks	<ol style="list-style-type: none"> 1. Measure using an inch ruler LC2
Session 4.4.2: Gathering & Recording Beanstalk Data	<ol style="list-style-type: none"> 1. Create line plots with fractions YUR
Session 4.4.3: Beanstalk Leaf Line Plots	<ol style="list-style-type: none"> 1. Create and interpret line plots with fractions B8Q
Session 4.4.4: Unit 4 Post-Assessment	<ol style="list-style-type: none"> 1. Graph and compare fractions on number lines 6H5 2. Graph and order fractions on number lines T7E 3. Compare proper fractions in recipes 6BN

Unit 5

Multiplication, Division, & Area

Module 1: Linking Multiplication & Division

Textbook section	IXL skills
Session 5.1.1: Unit 5 Pre-Assessment	1. Multiply by 4 5U6
Session 5.1.2: Connecting Multiplication & Division	1. Relate multiplication and division for groups FTU 2. Relate multiplication and division 67L 3. Divide by counting equal groups UYK <i>Also consider</i> <ul style="list-style-type: none"> Write division sentences for groups FSX Skip-counting LQM
Session 5.1.3: Multiplication & Division Arrays	1. Relate multiplication and division for arrays XSK 2. Multiplication and division word problems: factors up to 5 7HS
Session 5.1.4: Game Story Problems, Part 1	1. Multiplication word problems 9TA <i>Also consider</i> <ul style="list-style-type: none"> Divide by 2 ANU
Session 5.1.5: Game Story Problems, Part 2	1. Multiplication and division word problems 85K <i>Also consider</i> <ul style="list-style-type: none"> Multiply by 5 Y9E Divide by 5 C9M
Session 5.1.6: Game Story Problems, Part 3	1. Multiplication word problems: find the missing factor F6C <i>Also consider</i> <ul style="list-style-type: none"> Multiply by 10 6YD Divide by 10 YRG

Module 2: Multiplication & Division Families

Textbook section	IXL skills
Session 5.2.1: Division Story Problems & Fact Families	<ol style="list-style-type: none"> 1. Division word problems: divisors and quotients up to 5 CFR 2. Division facts for 2, 3, 4, 5, and 10 2JB <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Multiplication and division facts up to 5: true or false? 6HS
Session 5.2.2: Division Story Problems Forum	<ol style="list-style-type: none"> 1. Multiply and divide by 5 and 10 QAF 2. Multiply and divide by 2, 4, and 8 6A5
Session 5.2.3: What's Missing? Bingo	<ol style="list-style-type: none"> 1. Multiplication and division facts up to 10: find the missing number 88D 2. Multiplication facts up to 10: select the missing factors WZA <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Divide by 4 QGT • Multiply by 8 SMR • Divide by 8 CVD
Session 5.2.4: True or False?	<ol style="list-style-type: none"> 1. Multiplication and division facts up to 10: true or false? WQT 2. Multiplication sentences up to 10: true or false? MTU 3. Division sentences up to 10: true or false? GMU <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Multiply by 6 SX6 • Divide by 6 97S

Module 3: Division Practice

Textbook section	IXL skills
Session 5.3.1: Sharing & Grouping Problems	1. Division word problems <small>ECS</small> <i>Also consider</i> <ul style="list-style-type: none"> • Multiply by 3 <small>38K</small> • Divide by 3 <small>PCL</small> • Division facts up to 10: true or false? <small>MPV</small>
Session 5.3.2: Sharing & Grouping Forum	1. Write division sentences for arrays <small>8RW</small> <i>Also consider</i> <ul style="list-style-type: none"> • Multiply by 9 <small>SUH</small> • Divide by 9 <small>RTB</small>
Session 5.3.3: Line 'Em Up	1. Pick the model that shows a division expression <small>7DD</small> 2. Divide 2-digit numbers by 1-digit numbers using arrays <small>M5U</small> <i>Also consider</i> <ul style="list-style-type: none"> • Multiply by 7 <small>9PT</small> • Divide by 7 <small>D2F</small>
Session 5.3.4: Division Capture	1. Division facts up to 10: find the missing number <small>HE7</small> 2. Division facts up to 10: select the missing numbers <small>FPA</small> <i>Also consider</i> <ul style="list-style-type: none"> • Squares up to 10 x 10 <small>GMM</small>

Module 4: Introducing Area

Textbook section	IXL skills
Session 5.4.1: Paper Rectangles	1. Division facts up to 10 <small>M8T</small> 2. Find the area of figures made of unit squares <small>FLQ</small>

Session 5.4.2: Finding Areas Large & Small

1. Tile a rectangle and find the area EKK

Session 5.4.3: Measuring Area in Customary Units

1. Area of figures on grids J93

Also consider

- Find the area of rectangles: word problems 5HA

Session 5.4.4: Rainbow Rectangles

1. Use multiplication to find the area of a rectangle made of unit squares LC6

Also consider

- Select figures with a given area XR6
- Select two figures with the same area 7GW

Session 5.4.5: Adding Areas

- *Coming soon:* Break apart numbers to multiply

Session 5.4.6: Unit 5 Post-Assessment

1. Division facts for 6, 7, 8, and 9 U2C
2. Division facts for 6, 7, 8, and 9: sorting KQR
3. Addition, subtraction, multiplication, and division word problems X8W
4. Solve for the variable: multiplication and division only AL9
5. Write variable equations to represent word problems: multiplication and division only ZNN

Unit 6

Geometry

Module 1: Investigating Polygons

Textbook section	IXL skills
Session 6.1.1: Unit 6 Pre-Assessment	<ol style="list-style-type: none">1. Open and closed shapes 9PS2. Is it a polygon? C2P <p><i>Also consider</i></p> <ul style="list-style-type: none">• Identify two-dimensional shapes JBT
Session 6.1.2: Attributes of a Rectangle	<ol style="list-style-type: none">1. Identify rectangles 47T <p><i>Also consider</i></p> <ul style="list-style-type: none">• Parallel sides in quadrilaterals 6E9• Angles greater than, less than, or equal to a right angle 2YR
Session 6.1.3: Creating Shape Posters	<ol style="list-style-type: none">1. Identify parallelograms V6L2. Identify trapezoids 67A3. Identify rhombuses ZSD <p><i>Also consider</i></p> <ul style="list-style-type: none">• Sort shapes into a Venn diagram 9L6
Session 6.1.4: Creating Tangrams	<ol style="list-style-type: none">1. Identify congruent shapes VPS <p><i>Also consider</i></p> <ul style="list-style-type: none">• Acute, obtuse, and right triangles LRU
Session 6.1.5: Constructing Polygons with Tangrams	<ol style="list-style-type: none">1. Compose two-dimensional shapes AES

Module 2: Quadrilaterals

Textbook section	IXL skills
Session 6.2.1: Making Toothpick Polygons	1. Count and compare sides and vertices GWA
Session 6.2.2: Introducing Geoboard Polygons	1. Draw quadrilaterals 5KS
Session 6.2.3: Sorting Quadrilaterals	1. Pick all the names for a quadrilateral 6KV
Session 6.2.4: Guess My Quadrilateral	1. Classify quadrilaterals CNJ
Session 6.2.5: Writing Quadrilateral Riddles	1. Sides and angles of quadrilaterals RBZ
Session 6.2.6: Perimeters of Paper Quadrilaterals	1. Perimeter of quadrilaterals 77Y

Module 3: Perimeter & Area

Textbook section	IXL skills
Session 6.3.1: The 329th Friend: How Many Tables? Part 1	1. Perimeter of figures on grids TQP <i>Also consider</i> <ul style="list-style-type: none"> Perimeter of rectilinear shapes 65Z
Session 6.3.2: The 329th Friend: How Many Tables? Part 2	1. Perimeter of rectangles ZJT <i>Also consider</i> <ul style="list-style-type: none"> Relationship between area and perimeter: find the area KNR
Session 6.3.3: Metric Rectangles	1. Multiply to find the area of a rectangle made of unit squares S7G 2. Find the area or perimeter of rectangles and squares QYU <i>Also consider</i> <ul style="list-style-type: none"> Perimeter: word problems PCZ
Session 6.3.4: Bayard's Borrowed Tables	1. Create rectangles and squares with a given area XWE

Also consider

- Relationship between area and perimeter: find the perimeter ZWF
- Compare area and perimeter of two figures PMF

Session 6.3.5: Area & Perimeter Problems

1. Find the areas of complex figures by dividing them into rectangles DVB
2. Find the area of complex figures SGP

Module 4: Shapes & Fractions**Textbook section****IXL skills****Session 6.4.1:** Exploring Halves on a Geoboard

1. Make halves 7F6
2. Understand fractions: area models RTW
3. Find equivalent fractions using area models: two models ZJ2

Session 6.4.2: Fractions on a Geoboard

1. Make halves, fourths, and eighths HFF
2. Show fractions: fraction bars ZPW
3. Compare fractions with like denominators using models TDE
4. Compare fractions with like numerators using models RGM

Session 6.4.3: Geoboard Quilt Blocks

1. Find equivalent fractions using area models: one model 6DY
2. Compare fractions with like denominators 8SU
3. Compare fractions with like numerators 7LX

Session 6.4.4: Unit 6 Post-Assessment

1. Find the perimeter of rectangles and squares: use properties AT2
2. Perimeter: word problems CLD

Also consider

- Count coins and bills word problems - up to \$5 bill R6G
- Making change TF7

Unit 7

Extending Multiplication & Fractions

Module 1: Multiplication Beyond the Basics

Textbook section	IXL skills
Session 7.1.1: Unit 7 Pre-Assessment	<ol style="list-style-type: none"> 1. Multiply three numbers 9DF 2. Multiplication tables for 2, 3, 4, 5, and 10 DW5 3. Multiplication tables for 6, 7, 8, and 9 XT7
Session 7.1.2: Multiplication Stories & Equations	<ol style="list-style-type: none"> 1. Multiply three numbers: word problems S7B <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Write variable equations to represent word problems U6P • Perform multiple operations with whole numbers UKB
Session 7.1.3: Multiplying by Eleven	<ol style="list-style-type: none"> 1. Multiply by 11 AZJ <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Two-step multiplication and division word problems 8FP
Session 7.1.4: Multiplying by Twelve	<ol style="list-style-type: none"> 1. Multiply by 12 8NV <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Multiplication tables up to 12 TK7 • Multiplication facts up to 12: true or false? YSY
Session 7.1.5: Multiplying Single Digits by Multiples of Ten	<ol style="list-style-type: none"> 1. Multiply by a multiple of ten MS6 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Multiply by a multiple of 100 CPB

Module 2: One-By-Two Digit Multiplication

Textbook section	IXL skills
Session 7.2.1: Building Arrays for One-by-Two-Digit Multiplication Problems	<ol style="list-style-type: none">1. Multiply 1-digit numbers by teen numbers using grids 8XQ2. Break apart 2-digit numbers to multiply FFA
Session 7.2.2: Sketching Arrays for One-by-Two-Digit Multiplication	<ol style="list-style-type: none">1. Multiply one-digit numbers by two-digit numbers using area models I V9Q2. Multiply one-digit numbers by two-digit numbers: word problems X5D <p><i>Also consider</i></p> <ul style="list-style-type: none">• Multiplication and division facts up to 12: true or false? UAG
Session 7.2.3: Mystery Arrays	<ol style="list-style-type: none">1. Multiply one-digit numbers by two-digit numbers using area models II QXM <p><i>Also consider</i></p> <ul style="list-style-type: none">• Multiplication and division sentences up to 12: true or false? A8Q• Multi-step inequalities C6M
Session 7.2.4: Making Posters for One-by-Two Arrays	<ol style="list-style-type: none">1. Multiply one-digit numbers by two-digit numbers 9PM <p><i>Also consider</i></p> <ul style="list-style-type: none">• Multiplication facts up to 12: find the missing factor WB8• Multiplication facts up to 12: select the missing factors VTZ
Session 7.2.5: Sharing Multiplication Posters	<ol style="list-style-type: none">1. Inequalities with multiplication DVE <p><i>Also consider</i></p> <ul style="list-style-type: none">• Solve using properties of multiplication YPF• Multiplication sentences up to 12: true or false? LMD

Module 3: Fractions as Parts of a Whole & Parts of a Set

Textbook section	IXL skills
Session 7.3.1: Fractions on a Ruler	<ol style="list-style-type: none"> 1. Multiplication patterns: multiples of 10 and 100 QGP 2. Unit fractions of number lines: denominators up to 12 QJV
Session 7.3.2: Introduction to Egg Carton Fractions	<ol style="list-style-type: none"> 1. Match unit fractions to models: denominators up to 12 DAA <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Identify unit fractions on number lines: denominators up to 12 UV6 • Graph fractions equivalent to 1 on number lines 7BL • Modeling word problems involving unit fractions: denominators up to 12 QHR
Session 7.3.3: Exploring Egg Carton Fractions	<ol style="list-style-type: none"> 1. Show fractions using area models: denominators up to 12 XRE 2. Understand fractions using area models: denominators up to 12 GBK 3. Find equivalent fractions using two models: denominators up to 12 H5V <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Modeling word problems involving fractions of a whole: denominators up to 12 HNF
Session 7.3.4: Equivalent Egg Carton Fractions	<ol style="list-style-type: none"> 1. Identify equivalent fractions on number lines HYM 2. Find equivalent fractions using number lines JL8 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Fractions of a group: word problems Z65
Session 7.3.5: Dozens of Eggs	<ol style="list-style-type: none"> 1. Add fractions with like denominators using area models LTL

Module 4: Fractions at Work

Textbook section	IXL skills
Session 7.4.1: Racing Fractions	<ol style="list-style-type: none">1. Fractions of number lines J8M2. Add fractions using number lines 5WN <p><i>Also consider</i></p> <ul style="list-style-type: none">• Graph smaller or larger fractions on a number line 2PH
Session 7.4.2: Pizza Fractions	<ol style="list-style-type: none">1. Match fractions to models: denominators up to 12 MZD <p><i>Also consider</i></p> <ul style="list-style-type: none">• Add and subtract fractions with like denominators: word problems RTL
Session 7.4.3: Surveys & Fractions	<ol style="list-style-type: none">1. Fractions of a group 8H32. Identify equivalent fractions 7DA3. Fractions of a number - unit fractions: word problems C9P <p><i>Also consider</i></p> <ul style="list-style-type: none">• Interpret tally charts 8CW• Fractions of a number - unit fractions W5M
Session 7.4.4: Pull & Graph	<ol style="list-style-type: none">1. Graph and compare fractions with like denominators on number lines 63U2. Graph and compare fractions with like numerators on number lines ZPD <p><i>Also consider</i></p> <ul style="list-style-type: none">• Certain, probable, unlikely, and impossible EDK
Session 7.4.5: Unit 7 Post-Assessment	<ol style="list-style-type: none">1. Find equivalent fractions WMX2. Word problems involving fractions of a whole: denominators up to 12 6WK

Unit 8

Bridge Design & Construction: Data Collection & Analysis

Module 1: Introducing Bridges

Textbook section	IXL skills
Session 8.1.1: What We Know & Wonder About Bridges	<ol style="list-style-type: none"> Add and subtract data from tables: up to three digits QLL Multiplication facts for 2, 3, 4, 5, and 10: find the missing factor ZEY
Session 8.1.2: Three Kinds of Bridges	<ol style="list-style-type: none"> Make arrays to model multiplication: given products TY9 Multiplication facts for 6, 7, 8, and 9: find the missing factor X7N
Session 8.1.3: Researching & Building Beam Bridges	<ol style="list-style-type: none"> Find the area of rectangles and squares 8KJ Find the missing side length of a rectangle X66 <p><i>Also consider</i></p> <ul style="list-style-type: none"> Find the area between two rectangles KH6
Session 8.1.4: Building & Testing Paper Beam Bridges	<ol style="list-style-type: none"> Division facts up to 10: sorting CYJ Which number is greatest/least? ELP <p><i>Also consider</i></p> <ul style="list-style-type: none"> Solve for the variable D65 Comparison word problems: addition or multiplication? A52
Session 8.1.5: Researching & Testing Arch Bridges	<ol style="list-style-type: none"> Create line plots II X58 Complete the addition, subtraction, multiplication, or division sentence N5U <p><i>Also consider</i></p> <ul style="list-style-type: none"> Division patterns over increasing place values: up to hundreds E95

Module 2: Investigating Structures in Bridges

Textbook section	IXL skills
Session 8.2.1: More Measurement Olympics	<ol style="list-style-type: none"> 1. Make halves, thirds, and fourths in different ways DXJ 2. Find the elapsed time SCQ 3. Area and perimeter of rectangles: find the missing side length SBU <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Elapsed time word problems: find the elapsed time V9D • Create rectangles with a given area V73
Session 8.2.2: Introducing Suspension Bridges	<ol style="list-style-type: none"> 1. Choose the appropriate measuring tool FTA
Session 8.2.3: Researching & Building Suspension Bridges	<ol style="list-style-type: none"> 1. Two-step word problems: identify reasonable answers V5A 2. Measure using an inch ruler: nearest 1/4 inch 5R3
Session 8.2.4: Sorting & Graphing Bridges	<ol style="list-style-type: none"> 1. Use bar graphs to solve problems BCJ <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Interpret pictographs: multiples of 10 SYC
Session 8.2.5: Exploring Shapes in Bridges	<ol style="list-style-type: none"> 1. Draw quadrilaterals II 88B 2. Make halves, thirds, and fourths HGP 3. Perimeter: find the missing side length T2V

Module 3: Planning, Building, & Analyzing Bridges

Textbook section	IXL skills
Session 8.3.1: Planning Strong Bridges	<ol style="list-style-type: none"> 1. Make sixths and eighths KTM 2. Reading schedules SWU
Session 8.3.2: Building Strong Bridges	<ol style="list-style-type: none"> 1. Time word problems: find the start, end, or elapsed time MNY
Session 8.3.3: Strong Bridge Trial & Analysis	<ol style="list-style-type: none"> 1. Create bar graphs: multi-digit numbers WYL

Session 8.3.4: Planning & Building Long Bridges

1. Two-step mixed operation word problems SRL
2. Perimeter of polygons LLY

Session 8.3.5: Long Bridge Analysis, Part 1

1. Create line plots with halves 6RC
2. Compare fractions 78D

Also consider

- Order fractions GBA

Session 8.3.6: Long Bridge Analysis, Part 2

1. Interpret frequency charts 5KV

Module 4: Demonstrating Our Learning About Bridges

Textbook section	IXL skills
Session 8.4.1: Planning Longer & Stronger Bridges	1. Multiply whole numbers in recipes PSK
Session 8.4.2: Building Longer & Stronger Bridges	1. Perform multiple operations with whole numbers UKB
Session 8.4.3: Measuring & Drawing the Final Bridges	<ol style="list-style-type: none"> 1. Shape patterns BSB 2. Elapsed time word problems: find the end time 5VC
Session 8.4.4: Analyzing Final Results & Drawing Conclusions About Bridges	1. Interpret bar graphs: multi-digit numbers UP6