



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: Making People Glyphs	
Session 2: Sorting & Classifying People Glyphs	1. Read bar graphs NL8
Session 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 4: The Addition Table, Part 1	1. Add doubles NLQ 2. Add near doubles WGD 3. Complete the addition sentence: make ten XBU
Session 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: 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 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

Session 3: Addition & Subtraction Checkpoint*Also consider*

- Fact families UVG

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 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:** 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 2: Adding Lengths

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

Session 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 4: Introducing Work Place 1E Carrot Grab

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

Session 5: Strings & Strategies

1. Add two-digit numbers: sums up to 100 TCS

Module 4: Story Problems & Strategies

Textbook section	IXL skills
Session 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 2: Two-Digit Addition Story Problems	1. Addition word problems: up to 100 Y6C
Session 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 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 100 8G9
Session 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 6: Unit 1 Post-Assessment	1. Add two-digit numbers: sums up to 200 GF2

Unit 2

Introduction to Multiplication

Module 1: Multiplication in Context

Textbook section	IXL skills
Session 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 for arrays: sums to 25 ER2
Session 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 3: Stamps & Assessment Reflections	<ol style="list-style-type: none"> Relate addition and multiplication for equal groups GGC
Session 4: Stamps	<ol style="list-style-type: none"> Multiplication word problems with factors up to 5 HDU
Session 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 6: Seascape Forum	<ol style="list-style-type: none"> Multiplication word problems with factors up to 5: find the missing number UAD

Module 2: Multiplying with Arrays & Number Lines

Textbook section	IXL skills
Session 1: Count-Arounds	1. Skip-counting puzzles 78C
Session 2: Cube Trains & Multiples Strips	1. Compare numbers using multiplication 5JE <i>Also consider</i> • Compare numbers using multiplication: word problems Z46
Session 3: Watertown's Window Washer	1. Identify multiplication expressions for arrays HZL 2. Write multiplication sentences for number lines NTV 3. Multiply using number lines XHY
Session 4: Wally Keeps Washing	1. Multiply by 5 and 10 G48 <i>Also consider</i> • Distributive property: find the missing factor 7VP
Session 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 1: Doubling String & Pet Store Story Problems	1. Multiply 2 by numbers up to 10 94M <i>Also consider</i> • Multiplication facts for 2, 3, 4, and 5: find the missing factor RYN
Session 2: Price Lists	1. Multiplication input/output tables 8CM <i>Also consider</i> • Multiplication input/output tables: find the rule D5U

Session 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 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 5: Ice Cream Survey

1. Create scaled picture graphs AVG
2. Create scaled bar graphs RPF

Also consider

- Multiplication facts 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 1:** Book Lovers Survey

1. Interpret scaled picture graphs Y5D

Session 2: Library Books Data

1. Interpret scaled bar graphs V54

Also consider

- Interpret line plots YXD

Session 3: Library Books Problems

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

Session 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 1: Unit 3 Pre-Assessment	1. Place value FDL
Session 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: 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 4: Rounding to the Nearest Hundred	1. Round to the nearest ten or hundred using a number line 6ST 2. Round to the nearest hundred BWN 3. Add multiples of 100 5JG
Session 5: Three-Digit Addition Story Problems	1. Add two numbers up to three digits: word problems QU2
Session 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 1: Three-Digit Subtraction Story Problems	1. Subtract multiples of 10 or 100 PF2 <i>Also consider</i> <ul style="list-style-type: none"> Round to the nearest ten or hundred Q65

Session 2: Constant Difference

1. Use compensation to subtract: up to three digits WPW
2. Subtract three-digit numbers: without regrouping NVN

Also consider

- Related subtraction facts MK2

Session 3: Which Makes the Most Sense?

1. Estimate differences: up to three digits 42M

Session 4: Charting Subtraction Strategies

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

Session 5: Subtraction Strategies Forum

1. Solve for the unknown number: addition and subtraction only BQT

Module 3: Estimating to Add & Subtract**Textbook section****IXL skills****Session 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 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: About How Far?

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

Session 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 1: Exploring the Algorithm for Addition	<ol style="list-style-type: none">1. Use models to add three-digit numbers: without regrouping ZBB2. Use models to add three-digit numbers: with regrouping NWW
Session 2: Think Before You Add	<ol style="list-style-type: none">1. Add two numbers up to three digits E83
Session 3: Exploring the Algorithm for Subtraction	<ol style="list-style-type: none">1. Subtract numbers up to three digits EHT
Session 4: Think Before You Subtract	<ol style="list-style-type: none">1. Subtract numbers up to three digits: word problems K882. Subtract across zeros 93U <p><i>Also consider</i></p> <ul style="list-style-type: none">• Balance subtraction equations: up to three digits 8VK
Session 5: Unit 3 Post-Assessment	<ol style="list-style-type: none">1. Choose numbers with a particular sum or difference 8UZ2. Complete the addition or subtraction sentence PRH3. Addition and subtraction word problems: up to three digits XSH

Unit 4

Measurement & Fractions

Module 1: Measuring Time & Mass

Textbook section	IXL skills
Session 1: Unit 4 Pre-Assessment	1. Match clocks and times: half hours and hours only G9U
Session 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> • Identify times written in words EQS
Session 3: Time on a Number Line	1. Reading a timeline LDK 2. Time word problems FTT
Session 4: Measurement – Big, Strong, Fast	1. Which customary unit is appropriate? 54W 2. Which metric unit is appropriate? FQ8
Session 5: Measuring Mass	
Session 6: Estimate, Measure & Compare the Mass	1. Which metric unit of mass is appropriate? PTF 2. Read a scale - metric units 66D 3. Convert metric units of mass 9Q6

Module 2: Measuring Volume & Solving Measurement Story Problems

Textbook section	IXL skills
Session 1: Measuring Liquid Volume	1. Which metric unit of volume is appropriate? LYS 2. Convert metric units of volume 5NU
Session 2: Measurement Scavenger Hunt	1. Which metric unit of length is appropriate? YWR 2. Convert metric units of length UTN
Session 3: Measurement Story Problems	1. Measurement word problems VPW

Session 4: More Measurement Problems

1. Compare metric units NHT

Session 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 1:** Fair Shares, Unit Fractions

1. Identify equal parts FHY
2. Make halves, thirds, fourths, sixths, and eighths JHE

Session 2: Comparing & Ordering Unit Fractions

1. Compare unit fractions: denominators up to 12 HVV
2. Match unit fractions to models CPK

Also consider

- Unit fractions: modeling word problems UV8
- Unit fractions: word problems HM7

Session 3: Pattern Block Fractions

1. Compare fractions using models MJ2
2. Show fractions: area models NLE

Session 4: Fractions as Distances

1. Identify fractions on number lines AWH
2. Graph fractions on number lines 7QM

Session 5: Fractions on the Number Line

1. Compare fractions using number lines 38T

Module 4: Fractions on a Line Plot**Textbook section****IXL skills****Session 1:** Creating & Measuring Beanstalks

1. Measure using an inch ruler: nearest $\frac{1}{4}$ inch LC2

Session 2: Gathering & Recording Beanstalk Data

1. Create line plots with fractions YUR

Session 3: Beanstalk Leaf Line Plots

1. Create and interpret line plots with fractions B8Q

Session 4: Unit 4 Post-Assessment

1. Graph and compare fractions on number lines 6H5
 2. Graph and order fractions on number lines T7E
 3. Compare fractions in recipes 9BK
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Unit 5

Multiplication, Division, & Area

Module 1: Linking Multiplication & Division

Textbook section	IXL skills
Session 1: Unit 5 Pre-Assessment	<ol style="list-style-type: none"> Multiply 4 by numbers up to 10 5U6
Session 2: Connecting Multiplication & Division	<ol style="list-style-type: none"> Relate multiplication and division for groups FTU Relate multiplication and division 67L Divide by counting equal groups UYK <p><i>Also consider</i></p> <ul style="list-style-type: none"> Write division sentences for groups FSX Skip-count LQM
Session 3: Multiplication & Division Arrays	<ol style="list-style-type: none"> Relate multiplication and division for arrays XSK Use arrays to solve multiplication word problems UCY Multiplication and division word problems: factors up to 5 7HS Write two multiplication sentences for an array QLK
Session 4: Game Story Problems, Part 1	<ol style="list-style-type: none"> Use equal groups to solve division word problems NEC Multiplication word problems with factors up to 10 9TA <p><i>Also consider</i></p> <ul style="list-style-type: none"> Divide by 2: quotients up to 10 ANU
Session 5: Game Story Problems, Part 2	<ol style="list-style-type: none"> Multiplication and division word problems 85K <p><i>Also consider</i></p> <ul style="list-style-type: none"> Multiply 5 by numbers up to 10 Y9E Divide by 5: quotients up to 10 C9M

Session 6: Game Story Problems, Part 3

1. Use equal groups and arrays to solve division word problems LZT
2. Multiplication word problems with factors up to 10: find the missing number F6C

Also consider

- Multiply 10 by numbers up to 10 6YD
- Divide by 10: quotients up to 10 YRG

Module 2: Multiplication & Division Families**Textbook section****IXL skills****Session 1:** Division Story Problems & Fact Families

1. Division word problems: divisors and quotients up to 5 CFR
2. Division facts for 2, 3, 4, 5, and 10 2JB

Also consider

- Multiplication and division facts up to 5: true or false? 6HS

Session 2: Division Story Problems Forum

1. Multiply and divide by 5 and 10 QAF
2. Multiply and divide by 2, 4, and 8 6A5

Session 3: What's Missing? Bingo

1. Multiplication and division facts up to 10: find the missing number 88D
2. Multiplication facts up to 10: select the missing factors WZA

Also consider

- Divide by 4: quotients up to 10 QGT
- Multiply 8 by numbers up to 10 SMR
- Divide by 8: quotients up to 10 CVD

Session 4: True or False?

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

Also consider

- Multiply 6 by numbers up to 10 SX6
- Divide by 6: quotients up to 10 97S

Module 3: Division Practice

Textbook section	IXL skills
Session 1: Sharing & Grouping Problems	1. Division word problems <small>ECS</small> <i>Also consider</i> <ul style="list-style-type: none"> • Multiply 3 by numbers up to 10 <small>38K</small> • Divide by 3: quotients up to 10 <small>PCL</small> • Division facts up to 10: true or false? <small>MPV</small>
Session 2: Sharing & Grouping Forum	1. Write division sentences for arrays <small>8RW</small> 2. Make arrays to model division <small>R8J</small> <i>Also consider</i> <ul style="list-style-type: none"> • Multiply 9 by numbers up to 10 <small>SUH</small> • Divide by 9: quotients up to 10 <small>RTB</small>
Session 3: Line 'Em Up	1. Pick the model that shows a division expression <small>7DD</small> 2. Divide two-digit numbers by one-digit numbers using arrays <small>M5U</small> <i>Also consider</i> <ul style="list-style-type: none"> • Multiply 7 by numbers up to 10 <small>9PT</small> • Divide by 7: quotients up to 10 <small>D2F</small>
Session 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 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 2: Finding Areas Large & Small

1. Tile a rectangle and find the area EKK

Session 3: Measuring Area in Customary Units

1. Area of figures on grids J93

Also consider

- Find the area of rectangles: word problems 5HA

Session 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: Adding Areas

1. Multiply one-digit numbers using grids HXY
2. Multiply using the distributive property 6W7

Session 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 unknown number: multiplication and division only AL9
5. Write equations with unknown numbers to represent word problems: multiplication and division only ZNN

Unit 6

Geometry

Module 1: Investigating Polygons

Textbook section	IXL skills
Session 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 polygons: up to 8 sides EVR
Session 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 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 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 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 1: Making Toothpick Polygons	1. Count and compare sides and vertices GWA
Session 2: Introducing Geoboard Polygons	1. Draw squares, rectangles, rhombuses, parallelograms, and trapezoids 5KS
Session 3: Sorting Quadrilaterals	1. Pick all the names for a quadrilateral 6KV
Session 4: Guess My Quadrilateral	1. Classify squares, rectangles, rhombuses, parallelograms, and trapezoids CNJ 2. Name quadrilaterals more than one way 45V
Session 5: Writing Quadrilateral Riddles	1. Sides and angles of quadrilaterals RBZ
Session 6: Perimeters of Paper Quadrilaterals	1. Perimeter of quadrilaterals 77Y

Module 3: Perimeter & Area

Textbook section	IXL skills
Session 1: The 329th Friend: How Many Tables? Part 1	1. Perimeter of figures on grids VLG <i>Also consider</i> • Multiplication and division: real-world patterns QQN • Perimeter of rectilinear shapes 65Z
Session 2: The 329th Friend: How Many Tables? Part 2	1. Perimeter of rectangles ZJT <i>Also consider</i> • Relationship between area and perimeter: find the area KNR
Session 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> • Find the perimeter: word problems PCZ

Session 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 5: Area & Perimeter Problems

1. Find the area 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 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 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 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 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 1: Unit 7 Pre-Assessment	<ol style="list-style-type: none"> 1. Multiply three numbers 9DF 2. Multiplication facts for 2, 3, 4, 5, and 10 DW5 3. Multiplication facts for 6, 7, 8, and 9 XT7
Session 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 equations with unknown numbers to represent word problems U6P • Perform multiple operations with whole numbers UKB
Session 3: Multiplying by Eleven	<ol style="list-style-type: none"> 1. Multiply 11 by numbers up to 12 AZJ <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Two-step multiplication and division word problems 8FP
Session 4: Multiplying by Twelve	<ol style="list-style-type: none"> 1. Multiply 12 by numbers up to 12 8NV <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Multiplication facts to 12 TK7 • Multiplication facts up to 12: true or false? YSY
Session 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 • Multiply by a multiple of ten using place value GPN

Module 2: One-By-Two Digit Multiplication

Textbook section	IXL skills
Session 1: Building Arrays for One-by-Two-Digit Multiplication Problems	<ol style="list-style-type: none"> 1. Multiply one-digit numbers by teen numbers using grids 8XQ 2. Break apart two-digit numbers to multiply FFA
Session 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 V9Q 2. 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 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 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 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 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 QJV
Session 2: Introduction to Egg Carton Fractions	<ol style="list-style-type: none"> 1. Match unit fractions to models DAA <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Identify unit fractions on number lines UV6 • Graph fractions equivalent to 1 on number lines 7BL • Modeling word problems involving unit fractions QHR
Session 3: Exploring Egg Carton Fractions	<ol style="list-style-type: none"> 1. Show fractions: area models XRE 2. Understand fractions: area models 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 HNF
Session 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 3. Find equivalent fractions using fraction strips LXP <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Fractions of a group: word problems Z65
Session 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 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 2: Pizza Fractions	<ol style="list-style-type: none">1. Compare fractions and justify your answer QB72. Match fractions to models MZD <p><i>Also consider</i></p> <ul style="list-style-type: none">• Add and subtract fractions with like denominators: word problems RTL
Session 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 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 5: Unit 7 Post-Assessment	<ol style="list-style-type: none">1. Find equivalent fractions WMX2. Word problems involving fractions of a whole 6WK

Unit 8

Bridge Design & Construction: Data Collection & Analysis

Module 1: Introducing Bridges

Textbook section	IXL skills
Session 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 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 3: Researching & Building Beam Bridges	<ol style="list-style-type: none"> Rectangles with the same perimeter or area RYC 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 4: Building & Testing Paper Beam Bridges	<ol style="list-style-type: none"> Division facts up to 10: sorting CYJ Greatest and least: numbers up to 10,000 ELP <p><i>Also consider</i></p> <ul style="list-style-type: none"> Solve for the unknown number D65 Comparison word problems: addition or multiplication? A52
Session 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 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"> • Find the elapsed time: word problems V9D • Create rectangles with a given area V73
Session 2: Introducing Suspension Bridges	<ol style="list-style-type: none"> 1. Choose the appropriate measuring tool FTA
Session 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 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 picture graphs: multiples of 10 SYC
Session 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 1: Planning Strong Bridges	<ol style="list-style-type: none"> 1. Make sixths and eighths KTM 2. Reading schedules SWU
Session 2: Building Strong Bridges	<ol style="list-style-type: none"> 1. Find the start time, the end time, or the elapsed time: word problems 9JB
Session 3: Strong Bridge Trial & Analysis	<ol style="list-style-type: none"> 1. Create bar graphs: multi-digit numbers WYL

Session 4: Planning & Building Long Bridges

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

Session 5: Long Bridge Analysis, Part 1

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

Also consider

- Order fractions GBA

Session 6: Long Bridge Analysis, Part 2

1. Interpret frequency tables 5KV

Module 4: Demonstrating Our Learning About Bridges

Textbook section	IXL skills
Session 1: Planning Longer & Stronger Bridges	1. Multiply whole numbers in recipes PSK
Session 2: Building Longer & Stronger Bridges	1. Perform multiple operations with whole numbers UKB
Session 3: Measuring & Drawing the Final Bridges	<ol style="list-style-type: none"> 1. Shape patterns BSB 2. Find the end time: word problems 5VC
Session 4: Analyzing Final Results & Drawing Conclusions About Bridges	1. Interpret bar graphs: multi-digit numbers UP6