



IXL Skill Alignment

3rd grade alignment for EngageNY Math



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Module 1

Properties of Multiplication and Division and Solving Problems with Units of 2–5 and 10

Topic A: Multiplication and the Meaning of the Factors

Textbook section	IXL skills
Lesson 1	<ol style="list-style-type: none"> 1. Relate addition and multiplication for equal groups: factors up to 5 8VB 2. Identify multiplication expressions for equal groups 9AE 3. Write multiplication sentences for equal groups: factors up to 5 XWC <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Count equal groups 9K7
Lesson 2	<ol style="list-style-type: none"> 1. Identify multiplication expressions for arrays HZL 2. Write multiplication sentences for arrays 5FZ <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Identify repeated addition for arrays: sums to 25 ER2 • Write addition sentences for arrays: sums to 25 A87
Lesson 3	<ol style="list-style-type: none"> 1. Write multiplication sentences for equal groups V98 2. Relate addition and multiplication for equal groups GGC 3. Relate addition and multiplication P74 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Multiplication word problems with factors up to 5 HDU

Topic B: Division as an Unknown Factor Problem

Textbook section	IXL skills
Lesson 4	1. Divide by counting equal groups UYK
Lesson 5	2. Write division sentences for groups FSX 3. Use equal groups to solve division word problems NEC 4. Division word problems: divisors and quotients up to 5 CFR
Lesson 6	1. Write division sentences for arrays 8RW 2. Make arrays to model division R8J 3. Relate multiplication and division for groups FTU 4. Relate multiplication and division for arrays XSK

Topic C: Multiplication Using Units of 2 and 3

Textbook section	IXL skills
Lesson 7	1. Write multiplication sentences for arrays: multiply by 2 S6W <i>Also consider</i> • Skip-counting sequences: count by twos 7S8 • Multiply by 2 using a number line QDN
Lesson 8	1. Write multiplication sentences for arrays: multiply by 3 87S 2. Make arrays to model multiplication with 2 and 3 NBL
Lesson 9	1. Multiply 2 by numbers up to 10 94M 2. Multiply 3 by numbers up to 10 38K
Lesson 10	1. Multiplication facts for 2 and 3: sorting QVQ

Topic D: Division Using Units of 2 and 3

Textbook section	IXL skills
Lesson 11	<ol style="list-style-type: none"> 1. Relate multiplication and division for arrays: factors of 2 or 3 XQS 2. Multiplication facts for 2 and 3: find the missing factor 8Y4
Lesson 12	<ol style="list-style-type: none"> 1. Divide by 2: quotients up to 10 ANU
Lesson 13	<ol style="list-style-type: none"> 1. Divide by 3: quotients up to 10 PCL <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Multiplication word problems with factors up to 5: find the missing number UAD

Topic E: Multiplication and Division Using Units of 4

Textbook section	IXL skills
Lesson 14	<ol style="list-style-type: none"> 1. Skip-counting sequences: count by fours TPM <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Multiply by 4 using a number line 58G
Lesson 15	<ol style="list-style-type: none"> 1. Multiply 4 by numbers up to 10 5U6 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Multiply by 2 and 4 in recipes MH8
Lesson 16	<ol style="list-style-type: none"> 1. Multiply one-digit numbers with grids: using facts up to 5 9RK
Lesson 17	<ol style="list-style-type: none"> 1. Divide by 4: quotients up to 10 QGT <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Multiply and divide by 2 and 4 LHF

Topic F: Distributive Property and Problem Solving Using Units of 2-5 and 10

Textbook section	IXL skills
Lesson 18	1. Use the distributive property to multiply by 3, 4, or 5 <small>VMM</small> <i>Also consider</i> <ul style="list-style-type: none"> • Multiply 10 by numbers up to 10 <small>6YD</small> • Multiplication facts for 2, 3, 4, 5, and 10 <small>DW5</small>
Lesson 19	1. Division facts for 2, 3, 4, 5, and 10 <small>2JB</small> <i>Also consider</i> <ul style="list-style-type: none"> • Divide by 5: quotients up to 10 <small>C9M</small> • Divide by 10: quotients up to 10 <small>YRG</small> • Multiplication facts for 2, 3, 4, 5, and 10: find the missing factor <small>ZEY</small>
Lesson 20 Lesson 21	1. Multiplication and division word problems: factors up to 5 <small>7HS</small> <i>Also consider</i> <ul style="list-style-type: none"> • Relate multiplication and division: divisors of 2, 3, 4, 5, and 10 <small>UMH</small> • Multiplication facts for 2, 3, 4, 5, and 10: true or false? <small>87M</small> • Division facts for 2, 3, 4, 5, and 10: true or false? <small>YSD</small>

Module 2

Place Value and Problem Solving with Units of Measure

Topic A: Time Measurement and Problem Solving

Textbook section	IXL skills
Lesson 1	1. Read clocks and write times: to the nearest 5 minutes 64G
Lesson 2	<p><i>Also consider</i></p> <ul style="list-style-type: none"> Reading a timeline LDK
Lesson 3	<p>1. Match analog and digital clocks L5U</p> <p>2. Read clocks and write times 5ZQ</p> <p><i>Also consider</i></p> <ul style="list-style-type: none"> Match clocks and times LPT
Lesson 4	<p>1. Word problems about start time, end time, and elapsed time: up to 1 hour QPQ</p> <p><i>Also consider</i></p> <ul style="list-style-type: none"> Elapsed time: find the end time - up to 1 minute intervals SPX Find the elapsed time SCQ
Lesson 5	1. Find start and end times: two-step word problems C95

Topic B: Measuring Weight and Liquid Volume in Metric Units

Textbook section	IXL skills
Lesson 6	1. Which metric unit of mass is appropriate? PTF
Lesson 7	<p>2. Read a scale - metric units 66D</p> <p><i>Also consider</i></p> <ul style="list-style-type: none"> Compare and convert metric units of mass C9Z
Lesson 8	1. Addition, subtraction, and multiplication word problems XN2

Lesson 9

1. Measure liquid volumes - metric units 7FE

Lesson 10

Also consider

- Compare and convert metric units of volume RK2
- Which metric unit of volume is appropriate? LYS

Lesson 11

1. Measurement word problems VPW

Also consider

- Choose the appropriate measuring tool FTA

Topic C: Rounding to the Nearest Ten and Hundred

Textbook section

IXL skills

Lesson 12

1. Round to the nearest ten using a number line 8X3
2. Round to the nearest ten JDN

Also consider

- Measure using a centimeter ruler MPX

Lesson 13

1. Round to the nearest ten or hundred in a table 6Y5

Lesson 14

Also consider

- Round to the nearest ten or hundred using a number line 6ST
- Round to the nearest ten or hundred Q65

Topic D: Two- and Three-Digit Measurement Addition Using the Standard Algorithm

Textbook section

IXL skills

Lesson 15

1. Add two numbers up to three digits: with regrouping 9NH

Lesson 16

2. Add two numbers up to three digits: word problems QU2
3. Add mixed units V97

Also consider

- Add two numbers up to three digits: without regrouping 96M

Lesson 17

- Add two-digit numbers: sums up to 200 GF2
- Use models to add three-digit numbers: with regrouping NWW

1. Estimate sums by rounding: up to 1,000 3Y9
2. Estimate sums by rounding: word problems WB2

Also consider

- Estimate sums using compatible numbers HRT

Topic E: Two- and Three-Digit Measurement Subtraction Using the Standard Algorithm

Textbook section	IXL skills
Lesson 18	<ol style="list-style-type: none"> 1. Subtract three-digit numbers: regroup tens or hundreds U8E <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Subtract two-digit numbers: with regrouping 96Y • Subtract numbers up to three digits: without regrouping QFE
Lesson 19	<ol style="list-style-type: none"> 1. Subtract three-digit numbers: regroup tens and hundreds WR8 2. Subtract across zeros 93U 3. Subtract mixed units USS
Lesson 20	<ol style="list-style-type: none"> 1. Estimate differences by rounding: up to 1,000 A47 2. Estimate differences by rounding: word problems M42 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Estimate differences using compatible numbers PVS
Lesson 21	<ol style="list-style-type: none"> 1. Estimate sums and differences by rounding: up to 1,000 MTL 2. Estimate sums and differences: word problems BU8 3. Addition and subtraction word problems: up to three digits XSH



Also consider

- Estimate sums and differences using compatible numbers TDT

Module 3

Multiplication and Division with Units of 0, 1, 6–9, and Multiples of 10

Topic A: The Properties of Multiplication and Division

Textbook section	IXL skills
Lesson 1	<ol style="list-style-type: none"> Write two multiplication sentences for an array QLK Multiplication and division: real-world patterns QQN <p><i>Also consider</i></p> <ul style="list-style-type: none"> Multiplication facts for 2, 3, 4, 5, and 10: sorting REN Division facts for 2, 3, 4, 5, and 10: sorting XDN Skip-count with tables VA9
Lesson 2	<ol style="list-style-type: none"> Multiply using the distributive property 6W7 Multiply 5 by numbers up to 10 Y9E <p><i>Also consider</i></p> <ul style="list-style-type: none"> Word problems with multiplication 9EM
Lesson 3	<ol style="list-style-type: none"> Write equations with unknown numbers to represent word problems: multiplication and division only ZNN <p><i>Also consider</i></p> <ul style="list-style-type: none"> Solve for the unknown number: multiplication and division only AL9

Topic B: Multiplication and Division Using Units of 6 and 7

Textbook section	IXL skills
Lesson 4	<ol style="list-style-type: none"> Multiply 6 by numbers up to 10 SX6 Divide by 6: quotients up to 10 97S
Lesson 5	<ol style="list-style-type: none"> Multiply 7 by numbers up to 10 9PT Divide by 7: quotients up to 10 D2F

Lesson 6

1. Multiply and divide by 6 and 7 QTV

Lesson 7

1. Multiplication facts for 6 and 7: find the missing factor N57

Topic C: Multiplication and Division Using Units up to 8

Textbook section	IXL skills
Lesson 8	1. Understanding parentheses AYY
Lesson 9	1. Multiply three numbers 9DF 2. Multiply one-digit numbers by teen numbers 66L <i>Also consider</i> <ul style="list-style-type: none"> Properties of multiplication UCK
Lesson 10	1. Multiply 8 by numbers up to 10 SMR 2. Divide by 8: quotients up to 10 CVD <i>Also consider</i> <ul style="list-style-type: none"> Skip-counting sequences: count by eights W47
Lesson 11	1. Multiply and divide by 2, 4, and 8 6A5

Topic D: Multiplication and Division Using Units of 9

Textbook section	IXL skills
Lesson 12	1. Multiply 9 by numbers up to 10 SUH 2. Divide by 9: quotients up to 10 RTB 3. Multiply by 5 and 10 G48
Lesson 13	1. Skip-counting sequences: count by nines MKK
Lesson 14	<i>Also consider</i> <ul style="list-style-type: none"> Identify multiplication patterns in tables CK9 Multiplication facts up to 10: find the missing factor FZA Division facts up to 10: find the missing number HE7 Multiplication facts for 6, 7, 8, and 9: sorting TZ7

Lesson 15

- Division facts for 6, 7, 8, and 9: sorting KQR
- 1. Multiplication and division word problems 85K
- 2. Use strip models to solve multiplication word problems EYU
- 3. Use strip models to solve division word problems 2YL

Also consider

- Multiplication facts for 6, 7, 8, and 9 XT7
- Division facts for 6, 7, 8, and 9 U2C

Topic E: Analysis of Patterns and Problem Solving Including Units of 0 and 1

Textbook section	IXL skills
Lesson 16	<ul style="list-style-type: none"> 1. Multiply by 0 or 1 CNG 2. Division sentences with 1 and 0 FYZ 3. Multiply by 0 or 1: complete the sentence RBK <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Multiplication and division with 0 or 1 XWR
Lesson 17	<ul style="list-style-type: none"> 1. Even or odd: multiplication patterns WS2 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Even or odd U9Q • Squares up to 10 x 10 GMM
Lesson 18	<ul style="list-style-type: none"> 1. Two-step mixed operation word problems SRL 2. Two-step word problems: identify reasonable answers V5A <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Two-step word problems: represent and solve using strip models 7QY • Multiplication and division facts up to 10 VXX • Multiplication and division facts up to 10: find the missing number 88D

Topic F: Multiplication of Single-Digit Factors and Multiples of 10

Textbook section	IXL skills
Lesson 19	<ol style="list-style-type: none">Multiply by a multiple of ten using place value <small>GPN</small> <p><i>Also consider</i></p> <ul style="list-style-type: none">Multiplication facts up to 10 <small>PNV</small>Division facts up to 10 <small>M8T</small>
Lesson 20	<ol style="list-style-type: none">Multiply by a multiple of ten <small>MS6</small> <p><i>Also consider</i></p> <ul style="list-style-type: none">Multiplication patterns: multiples of 10 and 100 <small>QGP</small>Division patterns over increasing place values: up to hundreds <small>E95</small>
Lesson 21	<ol style="list-style-type: none">Multiply multiples of ten by one-digit numbers <small>FYX</small>

Module 4

Multiplication and Area

Topic A: Foundations for Understanding Area

Textbook section	IXL skills
Lesson 1	1. Tile a rectangle and find the area EKK
Lesson 2	1. Find the area of figures made of unit squares FLQ <i>Also consider</i> • Select two figures with the same area 7GW
Lesson 3	1. Create rectangles with a given area V73 <i>Also consider</i> • Create figures with a given area Z2H
Lesson 4	1. Find the area of figures made of unit squares: customary and metric units X53 2. Tile a rectangle and find the area EKK <i>Also consider</i> • Select figures with a given area XR6

Topic B: Concepts of Area Measurement

Textbook section	IXL skills
Lesson 5	1. Multiply to find the area of a rectangle made of unit squares S7G
Lesson 6	1. Make arrays to model multiplication PPR
Lesson 7	1. Find the area of rectangles: side lengths up to 5 units EL5 <i>Also consider</i> • Area of figures on grids J93

Lesson 8

1. Find the area of rectangles and squares 8KJ
2. Find the missing side length of a rectangle X66
3. Find the area of rectangles: word problems 5HA

Topic C: Arithmetic Properties Using Area Models

Textbook section	IXL skills
Lesson 9	1. Multiply one-digit numbers by teen numbers using grids 8XQ
Lesson 10	<p><i>Also consider</i></p> <ul style="list-style-type: none"> • Break apart two-digit numbers to multiply FFA
Lesson 11	1. Make arrays to model multiplication: given products TY9

Topic D: Applications of Area Using Side Lengths of Figures

Textbook section	IXL skills
Lesson 12	1. Word problems with area 9LE
Lesson 13	<ol style="list-style-type: none"> 1. Find the area of complex figures by dividing them into rectangles DVB 2. Find the area between two rectangles KH6 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Find the area of rectangles with missing unit squares KTN
Lesson 14	1. Find the area of complex figures SGP
Lesson 15	1. Find the area of complex figures with missing side lengths 29Y
Lesson 16	<p><i>Also consider</i></p> <ul style="list-style-type: none"> • Find the area of complex figures: word problems D9G

Module 5

Fractions as Numbers on the Number Line

Topic A: Partition a Whole into Equal Parts

Textbook section	IXL skills
Lesson 1	<ol style="list-style-type: none"> 1. Make halves, thirds, and fourths HGP 2. Make sixths and eighths KTM
Lesson 2	<ol style="list-style-type: none"> 1. Identify equal parts FHY 2. Unit fractions: modeling word problems UV8
Lesson 3	<ol style="list-style-type: none"> 1. Match fraction words to models P6L 2. Match fractions in word form to models 8XD
Lesson 4	<ol style="list-style-type: none"> 1. Make halves, thirds, and fourths in different ways DXJ

Topic B: Unit Fractions and their Relation to the Whole

Textbook section	IXL skills
Lesson 5	<ol style="list-style-type: none"> 1. Match unit fractions to models CPK <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Unit fractions: word problems HM7
Lesson 6	<ol style="list-style-type: none"> 1. Show fractions: fraction bars ZPW 2. Understand fractions: area models RTW <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Fractions of a whole: modeling word problems 9PU
Lesson 7	<ol style="list-style-type: none"> 1. Match fractions to models YHL <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Fractions of a group: word problems Z65
Lesson 8	<ol style="list-style-type: none"> 1. Fractions of a whole: word problems SH7

Lesson 9

1. Select fractions equivalent to whole numbers using models GKZ

Also consider

- Write fractions using numbers and words 7FX

Topic C: Comparing Unit Fractions and Specifying the Whole

Textbook section	IXL skills
Lesson 10	1. Compare unit fractions 99C
Lesson 11	2. Compare unit fractions: denominators up to 12 HVV
Lesson 12	
Lesson 13	1. Make halves, thirds, fourths, sixths, and eighths JHE
	<i>Also consider</i>
	• Match unit fractions to models DAA

Topic D: Fractions on the Number Line

Textbook section	IXL skills
Lesson 14	1. Fractions of number lines: unit fractions TBX 2. Graph unit fractions on number lines CBW
	<i>Also consider</i>
	• Identify unit fractions on number lines JVC
Lesson 15	1. Graph fractions less than 1 on number lines HWJ 2. Identify fractions on number lines AWH
Lesson 16	1. Graph fractions equivalent to 1 on number lines 7BL 2. Graph fractions greater than 1 on number lines 2GQ
Lesson 17	1. Graph fractions on number lines 7QM

Lesson 18

1. Graph and compare fractions on number lines 6H5
2. Graph and compare fractions with like denominators on number lines 63U

Also consider

- Compare fractions using number lines 38T
- Graph and compare fractions with like numerators on number lines ZPD
- Compare fractions with different numerators and denominators SU7

Lesson 19

1. Graph and compare fractions on number lines: up to 2 D93

Topic E: Equivalent Fractions

Textbook section	IXL skills
Lesson 20	<ol style="list-style-type: none"> 1. Show fractions: area models NLE <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Understand fractions: fraction bars 6JL
Lesson 21	<ol style="list-style-type: none"> 1. Find equivalent fractions using number lines JL8 2. Identify equivalent fractions on number lines HYM
Lesson 22	<ol style="list-style-type: none"> 1. Find equivalent fractions using area models: two models ZJ2
Lesson 23	<ol style="list-style-type: none"> 1. Graph equivalent fractions on number lines WPQ 2. Identify equivalent fractions 7DA <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Find equivalent fractions using fraction strips: one model 9EP
Lesson 24	<ol style="list-style-type: none"> 1. Fractions equivalent to one 2ZU
Lesson 25	

Lesson 26

1. Select fractions equivalent to whole numbers 42U
2. Find fractions equivalent to whole numbers KCE

Lesson 27

1. Find equivalent fractions using fraction strips LXP
2. Find equivalent fractions using area models: one model 6DY
3. Find equivalent fractions WMX

Topic F: Comparison, Order, and Size of Fractions

Textbook section

IXL skills

Lesson 28

1. Use words to compare fractions with like numerators SXT

Lesson 29

1. Compare fractions with like numerators using models RGM
2. Compare fractions with like numerators 7LX

Also consider

- Compare fractions and justify your answer QB7
- Compare fractions 78D

Lesson 30

1. Fractions of number lines J8M

Module 6

Collecting and Displaying Data

Topic A: Generate and Analyze Categorical Data

Textbook section	IXL skills
Lesson 1	<ol style="list-style-type: none"> Interpret tally charts 8CW Interpret scaled picture graphs Y5D Create scaled picture graphs AVG <p><i>Also consider</i></p> <ul style="list-style-type: none"> Which tally chart is correct? R7K Interpret data in tables DE2
Lesson 2	<ol style="list-style-type: none"> Create scaled bar graphs RPF Interpret scaled bar graphs V54 Use bar graphs to solve problems BCJ <p><i>Also consider</i></p> <ul style="list-style-type: none"> Create bar graphs: numbers up to 10 74V Interpret bar graphs: numbers up to 10 ZWC
Lesson 3	
Lesson 4	<ol style="list-style-type: none"> Create bar graphs: multi-digit numbers WYL Interpret bar graphs: multi-digit numbers UP6 Interpret bar graphs: two-step problems TLZ

Topic B: Generate and Analyze Measurement Data

Textbook section	IXL skills
Lesson 5	<ol style="list-style-type: none"> Measure using an inch ruler: nearest $\frac{1}{4}$ inch LC2
Lesson 6	<ol style="list-style-type: none"> Create and interpret line plots with fractions B8Q
Lesson 7	

Lesson 8

1. Create line plots with fractions YUR

Also consider

- Create line plots II X58

Lesson 9

1. Interpret a table 42T

Module 7

Geometry and Measurement Word Problems

Topic A: Solving Word Problems

Textbook section	IXL skills
Lesson 1	1. Write equations with unknown numbers to represent word problems U6P
Lesson 2	2. Two-step addition and subtraction word problems CBA
Lesson 3	3. Two-step multiplication and division word problems 8FP
	<p><i>Also consider</i></p> <ul style="list-style-type: none"> • Multiply money amounts: word problems PNP • Measurement word problems II LTY • Use strip diagrams to represent and solve multi-step word problems W9Y

Topic B: Attributes of Two-Dimensional Figures

Textbook section	IXL skills
Lesson 4	1. Parallel sides in quadrilaterals 6E9 2. Sides and angles of quadrilaterals RBZ 3. Attributes of quadrilaterals HXD 4. Name quadrilaterals more than one way 45V
	<p><i>Also consider</i></p> <ul style="list-style-type: none"> • Angles greater than, less than, or equal to a right angle 2YR • Parallel lines 3E7
Lesson 5	1. Count and compare sides and vertices GWA 2. Identify polygons: up to 8 sides EVR
	<p><i>Also consider</i></p> <ul style="list-style-type: none"> • Is it a polygon? C2P

Lesson 6

1. Draw squares, rectangles, rhombuses, parallelograms, and trapezoids EZL

Lesson 7

Lesson 8

1. Identify parallelograms V6L
2. Identify trapezoids GLZ
3. Identify rectangles 47T
4. Identify rhombuses ZSD

Lesson 9

1. Classify squares, rectangles, rhombuses, parallelograms, and trapezoids YRM
2. Compose two-dimensional shapes AES

Topic C: Problem Solving with Perimeter

Textbook section

IXL skills

Lesson 10

1. Perimeter of figures on grids VLG

Lesson 11

Lesson 12

1. Perimeter of quadrilaterals 77Y

Also consider

- Perimeter of rectangles ZJT

Lesson 13

1. Perimeter of polygons LLY

Lesson 14

1. Perimeter of regular polygons 7MD

Lesson 15

1. Find the perimeter: word problems PCZ

Lesson 16

Lesson 17

1. Perimeter of rectilinear shapes 65Z

Topic D: Recording Perimeter and Area Data on Line Plots

Textbook section	IXL skills
Lesson 18	<ol style="list-style-type: none"> 1. Find the perimeter of rectangles and squares: use properties AT2 2. Create rectangles and squares with a given area XWE <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Relationship between area and perimeter: find the perimeter ZWF
Lesson 19	<ol style="list-style-type: none"> 1. Create line plots H5J
Lesson 20	<ol style="list-style-type: none"> 1. Relationship between area and perimeter: find the area KNR
Lesson 21	<p><i>Also consider</i></p> <ul style="list-style-type: none"> • Compare area and perimeter of two figures PMF
Lesson 22	<ol style="list-style-type: none"> 1. Interpret line plots YXD

Topic E: Problem Solving with Perimeter and Area

Textbook section	IXL skills
Lesson 23	<ol style="list-style-type: none"> 1. Perimeter: word problems CLD
Lesson 24	<ol style="list-style-type: none"> 1. Find the area or perimeter of rectangles and squares QYU
Lesson 25	<ol style="list-style-type: none"> 2. Area and perimeter of rectangles: find the missing side length SBU
Lesson 26	
Lesson 27	
Lesson 28	<ol style="list-style-type: none"> 1. Find the area, perimeter, or side length: word problems KD8
Lesson 29	<ol style="list-style-type: none"> 2. Find the area and perimeter of complex figures: word problems LES
Lesson 30	

Also consider

- Use area and perimeter to determine cost 8H8

Topic F: Year in Review

Textbook section	IXL skills
Lesson 31	Understand fractions 1. Make halves, fourths, and eighths HFF
Lesson 32	2. Understand fractions: fraction bars 7RD
Lesson 33	3. Understand fractions: area models GBK
Lesson 34	4. Show fractions: fraction bars LUK
	5. Show fractions: area models XRE
	6. Match fractions to models: halves, thirds, and fourths Y55
	7. Match fractions to models MZD
	Decompose fractions 8. Decompose fractions into unit fractions using models P75
	9. Decompose fractions into unit fractions 99A
	Understand multiplication and division 10. Write multiplication and division sentences for equal groups 9ZY
	11. Write multiplication and division sentences for arrays B7G
	Multiplication fluency 12. Multiplication facts for 6, 7, 8, and 9: find the missing factor X7N
	13. Multiplication facts for 6, 7, 8, and 9: true or false? EEY
	14. Multiplication facts up to 10: sorting SUJ
	15. Multiplication facts up to 10: true or false? 3K8
	16. Multiplication facts up to 10: select the missing factors WZA
	17. Multiplication sentences up to 10: true or false? MTU

Division fluency

18. Division facts for 6, 7, 8, and 9: true or false? DBB
19. Division facts up to 10: sorting CYJ
20. Division facts up to 10: true or false? MPV
21. Division facts up to 10: select the missing numbers FPA
22. Division sentences up to 10: true or false? GMU

Place value

23. Place value - ones, tens, and hundreds BZC
24. Addition patterns over increasing place values: up to hundreds E5P

Rounding

25. Round using a number line P8E
26. Round to the nearest ten, hundred, or thousand HNU
27. Rounding input/output tables: nearest ten, hundred, or thousand YNA