



IXL Skill Alignment

3rd grade alignment for enVisionMATH 2.0



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Topic 1

Understand Multiplication and Division of Whole Numbers

Textbook section	IXL skills
Lesson 1-1: Multiplication as Repeated Addition	<ol style="list-style-type: none"> Count equal groups 9K7 Relate addition and multiplication for equal groups GGC Relate addition and multiplication P74 <p><i>Also consider</i></p> <ul style="list-style-type: none"> Identify multiplication expressions for equal groups 9AE Write multiplication sentences for equal groups V98
Lesson 1-2: Multiplication on the Number Line	<ol style="list-style-type: none"> Write multiplication sentences for number lines NTV Multiply using number lines XHY
Lesson 1-3: Arrays and Multiplication	<ol style="list-style-type: none"> Identify multiplication expressions for arrays HZL Write multiplication sentences for arrays 5FZ Make arrays to model multiplication PPR Use arrays to solve multiplication word problems UCY
Lesson 1-4: The Commutative Property	<ol style="list-style-type: none"> Write two multiplication sentences for an array QLK
Lesson 1-5: Division as Sharing	<ol style="list-style-type: none"> Divide by counting equal groups UYK Write division sentences for groups FSX Division word problems: how many in each group? BWB <p><i>Also consider</i></p> <ul style="list-style-type: none"> Write division sentences for arrays 8RW
Lesson 1-6: Division as Repeated Subtraction	<ol style="list-style-type: none"> Divide using repeated subtraction V5C

Also consider

- Divide using number lines GB2

Lesson 1-7: Use Appropriate Tools

1. Multiplication and division word problems:
factors up to 5 7HS
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Topic 2

Multiplication Facts: Use Patterns

Textbook section	IXL skills
Lesson 2-1: 2 and 5 as Factors	<ol style="list-style-type: none">1. Multiply 2 by numbers up to 10 94M2. Multiply 5 by numbers up to 10 Y9E <p><i>Also consider</i></p> <ul style="list-style-type: none">• Skip-count LQM
Lesson 2-2: 9 as a Factor	<ol style="list-style-type: none">1. Multiply 9 by numbers up to 10 SUH
Lesson 2-3: Apply Properties: Multiply by 0 and 1	<ol style="list-style-type: none">1. Multiply by 0 or 1 CNG2. Multiply by 0 or 1: complete the sentence RBK
Lesson 2-4: Multiply by 10	<ol style="list-style-type: none">1. Multiply 10 by numbers up to 10 6YD2. Multiplication facts for 1, 2, 5, 9, and 10: find the missing factor 7FN
Lesson 2-5: Multiplication Facts: 0, 1, 2, 5, 9, and 10	<ol style="list-style-type: none">1. Multiply by 0, 1, 2, 5, 9, and 10 YZX2. Multiplication with 1, 2, 5, 9, and 10: word problems Q58
Lesson 2-6: Model with Math	<ol style="list-style-type: none">1. Multiplication word problems with factors up to 5 HDU

Topic 3

Apply Properties: Multiplication Facts for 3, 4, 6, 7, 8

Textbook section	IXL skills
Lesson 3-1: The Distributive Property	1. Distributive property: find the missing factor 7VP
Lesson 3-2: Apply Properties: 3 as a Factor	1. Multiply 3 by numbers up to 10 38K
Lesson 3-3: Apply Properties: 4 as a Factor	1. Multiply 4 by numbers up to 10 5U6 2. Multiplication facts for 2, 3, 4, 5, and 10 DW5 <i>Also consider</i> <ul style="list-style-type: none"> Multiplication facts for 2, 3, 4, 5, and 10: true or false? 87M Multiplication facts for 2, 3, 4, 5, and 10: sorting REN Multiplication facts for 2, 3, 4, 5, and 10: find the missing factor ZEY
Lesson 3-4: Apply Properties: 6 and 7 as Factors	1. Multiply 6 by numbers up to 10 SX6 2. Multiply 7 by numbers up to 10 9PT
Lesson 3-5: Apply Properties: 8 as a Factor	1. Multiply 8 by numbers up to 10 SMR 2. Multiplication facts for 6, 7, 8, and 9 XT7 <i>Also consider</i> <ul style="list-style-type: none"> Multiplication facts for 6, 7, 8, and 9: true or false? EEY Multiplication facts for 6, 7, 8, and 9: sorting TZ7 Multiplication facts for 6, 7, 8, and 9: find the missing factor X7N
Lesson 3-6: Practice Multiplication Facts	1. Multiplication facts up to 10 PNV <i>Also consider</i> <ul style="list-style-type: none"> Multiplication facts up to 10: sorting SUJ
Lesson 3-7: The Associative Property: Multiply with 3 Factors	1. Multiply three numbers 9DF 2. Multiply three numbers: word problems S7B

Lesson 3-8: Repeated Reasoning

1. Multiply using the distributive property 6W7

Topic 4

Use Multiplication to Divide: Division Facts

Textbook section	IXL skills
Lesson 4-1: Relate Multiplication and Division	1. Relate multiplication and division for arrays XSK <i>Also consider</i> <ul style="list-style-type: none"> Relate multiplication and division for groups FTU
Lesson 4-2: Use Multiplication to Divide with 2, 3, 4, and 5	1. Divide by 2: quotients up to 10 ANU 2. Divide by 3: quotients up to 10 PCL 3. Divide by 4: quotients up to 10 QGT 4. Divide by 5: quotients up to 10 C9M <i>Also consider</i> <ul style="list-style-type: none"> Multiplication and division facts up to 5: true or false? 6HS Addition, subtraction, multiplication, and division terms E58
Lesson 4-3: Use Multiplication to Divide with 6 and 7	1. Divide by 6: quotients up to 10 97S 2. Divide by 7: quotients up to 10 D2F <i>Also consider</i> <ul style="list-style-type: none"> Division facts for 2, 3, 4, 5, and 10: true or false? YSD Division facts for 2, 3, 4, 5, and 10: sorting XDN
Lesson 4-4: Use Multiplication to Divide with 8 and 9	1. Divide by 8: quotients up to 10 CVD 2. Divide by 9: quotients up to 10 RTB <i>Also consider</i> <ul style="list-style-type: none"> Divide by 10: quotients up to 10 YRG Division facts for 6, 7, 8, and 9: true or false? DBB Division facts for 6, 7, 8, and 9: sorting KQR
Lesson 4-5: Multiplication Patterns: Even and Odd Numbers	1. Even or odd U9Q 2. Even or odd: multiplication patterns WS2

Lesson 4-6: Division Involving 0 and 1

1. Division sentences with 1 and 0 FYZ
2. Divide by 1: quotients up to 10 VTL

Also consider

- Multiplication and division with 0 or 1 XWR

Lesson 4-7: Practice Multiplication and Division Facts

1. Relate multiplication and division 67L
2. Division facts up to 10 M8T
3. Multiplication and division word problems 85K

Also consider

- Multiplication and division facts up to 10: true or false? WQT

Lesson 4-8: Solve Multiplication and Division Equations

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

Lesson 4-9: Make Sense and Persevere

1. Multiplication word problems with factors up to 10: find the missing number F6C

Topic 5

Fluently Multiply and Divide within 100

Textbook section	IXL skills
Lesson 5-1: Patterns for Multiplication Facts	<ol style="list-style-type: none"> 1. Identify multiplication patterns in tables CK9 2. Multiply by 2, 4, 6, 8 and 10 FKS
Lesson 5-2: Use a Multiplication Table	<ol style="list-style-type: none"> 1. Multiplication facts up to 10: find the missing factor FZA 2. Division facts up to 10: true or false? MPV
Lesson 5-3: Find Missing Numbers in a Multiplication Table	<ol style="list-style-type: none"> 1. Multiplication facts up to 10: select the missing factors WZA <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Division facts up to 10: select the missing numbers FPA
Lesson 5-4: Use Strategies to Multiply	<ol style="list-style-type: none"> 1. Multiplication facts up to 10: true or false? 3K8 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Multiply 11 by numbers up to 12 AZJ • Multiply one-digit numbers by teen numbers using grids 8XQ
Lesson 5-5: Solve Word Problems: Multiplication and Division Facts	<ol style="list-style-type: none"> 1. Use strip models to solve multiplication word problems EYU 2. Use strip models to solve division word problems 2YL 3. Multiplication word problems with factors up to 10 9TA
Lesson 5-6: Write Math Stories: Multiplication	
Lesson 5-7: Write Math Stories: Division	<ol style="list-style-type: none"> 1. Use equal groups to solve division word problems NEC
Lesson 5-8: Look For and Use Structure	<ol style="list-style-type: none"> 1. Multiplication sentences up to 10: true or false? MTU 2. Inequalities with multiplication DVE



Also consider

- Solve using properties of multiplication YPF

Topic 6

Connect Area to Multiplication and Addition

Textbook section	IXL skills
Lesson 6-1: Cover Regions	1. Find the area of figures made of unit squares FLQ <i>Also consider</i> <ul style="list-style-type: none"> Create figures with a given area Z2H
Lesson 6-2: Area: Nonstandard Units	1. Tile a rectangle and find the area EKK <i>Also consider</i> <ul style="list-style-type: none"> Select figures with a given area XR6 Create rectangles with a given area V73
Lesson 6-3: Area: Standard Units	1. Find the area of figures made of unit squares: customary and metric units X53 <i>Also consider</i> <ul style="list-style-type: none"> Tile a rectangle and find the area: customary and metric units D6T Select two figures with the same area 7GW Area of figures on grids J93
Lesson 6-4: Area of Squares and Rectangles	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 <i>Also consider</i> <ul style="list-style-type: none"> Multiply to find the area of a rectangle made of unit squares S7G
Lesson 6-5: Apply Properties: Area and the Distributive Property	1. Multiply using the distributive property 6W7
Lesson 6-6: Apply Properties: Area of Irregular Shapes	1. Find the area of complex figures by dividing them into rectangles DVB 2. Find the area of complex figures SGP

Lesson 6-7: Look For and Use Structure

1. Find the area of rectangles with missing unit squares KTN
 2. Find the area between two rectangles KH6
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Topic 7

Represent and Interpret Data

Textbook section	IXL skills
Lesson 7-1: Read Picture Graphs and Bar Graphs	<ol style="list-style-type: none"> 1. Interpret scaled picture graphs Y5D 2. Interpret scaled bar graphs V54
Lesson 7-2: Make Picture Graphs	<ol style="list-style-type: none"> 1. Create scaled picture graphs AVG <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Interpret tally charts 8CW
Lesson 7-3: Make Bar Graphs	<ol style="list-style-type: none"> 1. Create scaled bar graphs RPF <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Create bar graphs: multi-digit numbers WYL • Interpret bar graphs: multi-digit numbers UP6
Lesson 7-4: Solve Word Problems Using Information in Graphs	<ol style="list-style-type: none"> 1. Use bar graphs to solve problems BCJ
Lesson 7-5: Precision	<ol style="list-style-type: none"> 1. Interpret bar graphs: two-step problems TLZ

Topic 8

Use Strategies and Properties to Add and Subtract

Textbook section	IXL skills
Lesson 8-1: Addition Properties	<ol style="list-style-type: none"> 1. Properties of addition NY2 2. Complete the equation using properties of addition CGS <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Add using properties KYA
Lesson 8-2: Algebra: Addition Patterns	<ol style="list-style-type: none"> 1. Even or odd: addition patterns L63
Lesson 8-3: Round Whole Numbers	<ol style="list-style-type: none"> 1. Round to the nearest ten or hundred using a number line 6ST 2. Round to the nearest ten or hundred Q65
Lesson 8-4: Mental Math: Addition	<ol style="list-style-type: none"> 1. Use number lines to add three-digit numbers 8XG 2. Add two numbers up to three digits using place value BMH
Lesson 8-5: Mental Math: Subtraction	<ol style="list-style-type: none"> 1. Subtract numbers up to three digits EHT <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Balance subtraction equations: up to three digits 8VK
Lesson 8-6: Estimate Sums	<ol style="list-style-type: none"> 1. Estimate sums by rounding: up to 1,000 3Y9 2. Estimate sums by rounding: word problems WB2 3. Estimate sums using compatible numbers HRT
Lesson 8-7: Estimate Differences	<ol style="list-style-type: none"> 1. Estimate differences by rounding: up to 1,000 A47 2. Estimate differences by rounding: word problems M42 3. Estimate differences using compatible numbers PVS

Lesson 8-8: Relate Addition and Subtraction

1. Complete the addition sentence: up to three digits D69
 2. Complete the subtraction sentence: up to three digits MD8
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Lesson 8-9: Model with Math

1. Addition and subtraction word problems: up to 100 V7P
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Topic 9

Fluently Add and Subtract within 1,000

Textbook section	IXL skills
Lesson 9-1: Use Partial Sums to Add	<ol style="list-style-type: none"> 1. Use expanded form to add three-digit numbers <small>RPC</small> 2. Use models to add three-digit numbers: without regrouping <small>ZBB</small> <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Use expanded form to add three-digit numbers: without regrouping <small>39M</small>
Lesson 9-2: Add 3-Digit Numbers	<ol style="list-style-type: none"> 1. Use models to add three-digit numbers: with regrouping <small>NWW</small> 2. Add two numbers up to three digits: without regrouping <small>96M</small> 3. Add two numbers up to three digits: with regrouping <small>9NH</small> <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Addition up to three digits: fill in the missing digits <small>LYB</small>
Lesson 9-3: Continue to Add 3-Digit Numbers	<ol style="list-style-type: none"> 1. Add two numbers up to three digits <small>E83</small> 2. Add two numbers up to three digits: word problems <small>QU2</small> <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Addition input/output tables: up to three digits <small>MUE</small>
Lesson 9-4: Add 3 or More Numbers	<ol style="list-style-type: none"> 1. Add three numbers up to three digits each <small>GSY</small> 2. Add three numbers up to three digits each: word problems <small>NPU</small>
Lesson 9-5: Use Partial Differences to Subtract	<ol style="list-style-type: none"> 1. Subtract three-digit numbers: without regrouping <small>NVN</small> 2. Use expanded form to subtract three-digit numbers <small>YM7</small>

Also consider

- Subtraction input/output tables: up to three digits J9S

Lesson 9-6: Subtract 3-Digit Numbers

1. Subtract three-digit numbers: regroup tens and hundreds WR8

Lesson 9-7: Continue to Subtract 3-Digit Numbers

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

Also consider

- Subtraction: fill in the missing digits V63

Lesson 9-8: Construct Arguments

1. Addition and subtraction word problems: up to three digits XSH

Also consider

- Add and subtract three-digit numbers 2TD
- Find two numbers based on sum and difference 9Z7

Topic 10

Multiply by Multiples of 10

Textbook section	IXL skills
Lesson 10-1: Use an Open Number Line to Multiply	1. Multiply by a multiple of ten MS6
Lesson 10-2: Use Properties to Multiply	1. Multiply by a multiple of ten using place value GPN
Lesson 10-3: Multiply by Multiples of 10	
Lesson 10-4: Look For and Use Structure	1. Interpret picture graphs: multiples of 10 SYC

Topic 11

Use Operations with Whole Numbers to Solve Problems

Textbook section	IXL skills
Lesson 11-1: Solve 2-Step Word Problems: Addition and Subtraction	1. Two-step addition and subtraction word problems CBA
Lesson 11-2: Solve 2-Step Word Problems: Multiplication and Division	1. Two-step multiplication and division word problems 8FP <i>Also consider</i> <ul style="list-style-type: none"> Write equations with unknown numbers to represent word problems: multiplication and division only ZNN
Lesson 11-3: Solve 2-Step Word Problems: All Operations	1. Two-step mixed operation word problems SRL <i>Also consider</i> <ul style="list-style-type: none"> Write equations with unknown numbers to represent word problems U6P
Lesson 11-4: Critique Reasoning	1. Two-step word problems: identify reasonable answers V5A

Topic 12

Understand Fractions as Numbers

Textbook section	IXL skills
Lesson 12-1: Divide Regions into Equal Parts	<ol style="list-style-type: none"> 1. Identify equal parts FHY 2. Make halves, thirds, fourths, sixths, and eighths JHE 3. Match unit fractions to models CPK <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Unit fractions: modeling word problems UV8
Lesson 12-2: Fractions and Regions	<ol style="list-style-type: none"> 1. Understand fractions: area models RTW 2. Show fractions: area models NLE 3. Match fractions to models YHL <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Understand fractions: fraction bars 6JL • Show fractions: fraction bars ZPW
Lesson 12-3: Understand the Whole	<ol style="list-style-type: none"> 1. Fractions of a whole: modeling word problems 9PU
Lesson 12-4: Number Line: Fractions Less Than 1	<ol style="list-style-type: none"> 1. Graph unit fractions on number lines CBW 2. Identify fractions on number lines AWH <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Fractions of number lines PYB
Lesson 12-5: Number Line: Fractions Greater Than 1	<ol style="list-style-type: none"> 1. Graph fractions on number lines 7QM
Lesson 12-6: Line Plots and Length	<ol style="list-style-type: none"> 1. Measure using an inch ruler: nearest $\frac{1}{4}$ inch 5R3 2. Create line plots with fractions YUR
Lesson 12-7: More Line Plots and Length	<ol style="list-style-type: none"> 1. Measure using an inch ruler: nearest $\frac{1}{4}$ inch LC2 2. Create line plots with halves 6RC

Lesson 12-8: Make Sense and Persevere

1. Fractions of a whole: word problems BV7

Also consider

- Unit fractions: word problems HM7
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Topic 13

Fraction Equivalence and Comparison

Textbook section	IXL skills
Lesson 13-1: Equivalent Fractions: Use Models	<ol style="list-style-type: none"> Find equivalent fractions using fraction strips LXP Find equivalent fractions using area models: two models ZJ2 Identify equivalent fractions 7DA <p><i>Also consider</i></p> <ul style="list-style-type: none"> Find equivalent fractions using area models: one model 6DY
Lesson 13-2: Equivalent Fractions: Use the Number Line	<ol style="list-style-type: none"> Identify equivalent fractions on number lines HYM Find equivalent fractions using number lines JL8 <p><i>Also consider</i></p> <ul style="list-style-type: none"> Graph equivalent fractions on number lines WPQ Find equivalent fractions WMX
Lesson 13-3: Use Models to Compare Fractions: Same Denominator	<ol style="list-style-type: none"> Compare fractions with like denominators using models TDE <p><i>Also consider</i></p> <ul style="list-style-type: none"> Graph and compare fractions with like denominators on number lines 63U Compare fractions with like denominators 8SU Order fractions with like denominators HYZ
Lesson 13-4: Use Models to Compare Fractions: Same Numerator	<ol style="list-style-type: none"> Compare fractions with like numerators using models RGM <p><i>Also consider</i></p> <ul style="list-style-type: none"> Compare unit fractions: denominators up to 12 HVV Graph and compare fractions with like numerators on number lines ZPD Compare fractions with like numerators 7LX

Lesson 13-5: Compare Fractions: Use Benchmarks

- Order fractions with like numerators PCW

1. Compare fractions 78D
2. Compare fractions using benchmarks D8B

Also consider

- Benchmark fractions EEU

Lesson 13-6: Compare Fractions: Use the Number Line

1. Compare fractions using number lines 38T
2. Graph and compare fractions on number lines 6H5

Also consider

- Graph and order fractions on number lines T7E

Lesson 13-7: Whole Numbers and Fractions

1. Graph fractions equivalent to 1 on number lines 7BL
2. Find fractions equivalent to whole numbers KCE

Also consider

- Select fractions equivalent to whole numbers using models GKZ

Lesson 13-8: Construct Arguments

1. Compare fractions and justify your answer QB7
2. Compare fractions in recipes 9BK

Topic 14

Solve Time, Capacity, and Mass Problems

Textbook section	IXL skills
Lesson 14-1: Time to the Minute	1. Read clocks and write times 5ZQ 2. Identify times written in words EQS <i>Also consider</i> <ul style="list-style-type: none"> Match clocks and times LPT Match analog and digital clocks L5U
Lesson 14-2: Units of Time: Measure Elapsed Time	1. Find the elapsed time SCQ 2. Find the elapsed time: word problems V9D <i>Also consider</i> <ul style="list-style-type: none"> Find the end time U7B
Lesson 14-3: Units of Time: Solve Word Problems	1. Find the end time: word problems 5VC <i>Also consider</i> <ul style="list-style-type: none"> Time patterns 7VM
Lesson 14-4: Estimate Liquid Volume	1. Which metric unit of volume is appropriate? LYS
Lesson 14-5: Measure Liquid Volume	1. Compare and convert metric units of volume RK2
Lesson 14-6: Estimate Mass	1. Which metric unit of mass is appropriate? PTF 2. Choose the appropriate measuring tool FTA
Lesson 14-7: Measure Mass	1. Compare and convert metric units of mass C9Z
Lesson 14-8: Solve Word Problems Involving Mass and Liquid Volume	1. Measurement word problems VPW
Lesson 14-9: Reasoning	1. Find start and end times: two-step word problems C95

Topic 15

Attributes of Two-Dimensional Shapes

Textbook section	IXL skills
Lesson 15-1: Describe Quadrilaterals	<ol style="list-style-type: none">1. Identify rectangles 47T2. Identify parallelograms V6L3. Identify rhombuses ZSD4. Identify trapezoids 67A <p><i>Also consider</i></p> <ul style="list-style-type: none">• Is it a polygon? C2P
Lesson 15-2: Classify Shapes	<ol style="list-style-type: none">1. Classify squares, rectangles, rhombuses, parallelograms, and trapezoids CNJ <p><i>Also consider</i></p> <ul style="list-style-type: none">• Count and compare sides and vertices GWA• Parallel sides in quadrilaterals 6E9• Angles greater than, less than, or equal to a right angle 2YR
Lesson 15-3: Analyze and Compare Quadrilaterals	
Lesson 15-4: Precision	<ol style="list-style-type: none">1. Draw squares, rectangles, rhombuses, parallelograms, and trapezoids 5KS

Topic 16

Solve Perimeter Problems

Textbook section	IXL skills
Lesson 16-1: Understand Perimeter	<ol style="list-style-type: none"> Perimeter of figures on grids VLG Perimeter of rectilinear shapes 65Z <p><i>Also consider</i></p> <ul style="list-style-type: none"> Perimeter of rectangles ZJT
Lesson 16-2: Perimeter of Common Shapes	<ol style="list-style-type: none"> Find the perimeter of rectangles and squares: use properties AT2 <p><i>Also consider</i></p> <ul style="list-style-type: none"> Perimeter of polygons LLY Find the perimeter: word problems PCZ
Lesson 16-3: Perimeter and Unknown Side Lengths	<ol style="list-style-type: none"> Perimeter: find the missing side length T2V <p><i>Also consider</i></p> <ul style="list-style-type: none"> Find the missing side length of a rectangle: word problems DKC
Lesson 16-4: Same Perimeter, Different Area	<ol style="list-style-type: none"> Relationship between area and perimeter: find the area KNR
Lesson 16-5: Same Area, Different Perimeter	<ol style="list-style-type: none"> Create rectangles and squares with a given area XWE Relationship between area and perimeter: find the perimeter ZWF Compare area and perimeter of two figures PMF
Lesson 16-6: Reasoning	<ol style="list-style-type: none"> Perimeter: word problems CLD <p><i>Also consider</i></p> <ul style="list-style-type: none"> Use area and perimeter to determine cost 8H8

Step Up to Grade 4

Textbook section	IXL skills
Lesson 17-1: Place Value Relationships	<ol style="list-style-type: none"> Value of a digit up to ten thousands DHS Relationship between place values JYP
Lesson 17-2: Mental Math: Multiply by Multiples of 10, 100, and 1,000	<ol style="list-style-type: none"> Multiplication patterns over increasing place values: up to thousands EJD <p><i>Also consider</i></p> <ul style="list-style-type: none"> Multiplication patterns: multiples of 10 and 100 QGP
Lesson 17-3: Mental Math: Multiply by Multiples of 10	<ol style="list-style-type: none"> Multiply two multiples of ten 8JZ
Lesson 17-4: Use Models to Multiply 2-Digit Numbers by Multiples of 10	<ol style="list-style-type: none"> Multiply two-digit numbers by multiples of ten C6R
Lesson 17-5: Interpret Remainders	<ol style="list-style-type: none"> Divide two-digit numbers by one-digit numbers: with remainders ZBE Division word problems involving remainders RE8 <p><i>Also consider</i></p> <ul style="list-style-type: none"> Divide two-digit numbers by one-digit numbers using arrays M5U Divide two-digit numbers by one-digit numbers: without remainders M8L
Lesson 17-6: Model Addition of Fractions	<ol style="list-style-type: none"> Add fractions with like denominators using strip models WUB Add fractions using number lines 5WN <p><i>Also consider</i></p> <ul style="list-style-type: none"> Add fractions with like denominators using area models LTL
Lesson 17-7: Decompose Fractions	<ol style="list-style-type: none"> Decompose fractions multiple ways WLV <p><i>Also consider</i></p> <ul style="list-style-type: none"> Match mixed numbers to models UWH

Lesson 17-8: Lines, Rays, and Angles

- Decompose fractions into unit fractions using models P75
- Decompose fractions into unit fractions 99A

1. Lines, line segments, and rays 24L
2. Acute, right, obtuse, and straight angles 4D8

Also consider

- Angles greater than, less than, or equal to a right angle 2YR
- Points, lines, line segments, and rays DFS

Lesson 17-9: Understand Angles and Unit Angles

1. Angles as fractions of a circle 6RH
2. Use fractions to find the measure of an angle E96

Lesson 17-10: Lines

1. Parallel, perpendicular, and intersecting lines 9SX