



IXL Skill Alignment

5th grade alignment for Florida Reveal Math



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www.ixl.com/math/skill-plans/florida-reveal-math-2023-5th-grade

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Unit 1

Math Is...

Textbook section	IXL skills
Lesson 1-1: Math Is Mine	1. Find the number of each type of coin CRL
Lesson 1-2: Math Is Exploring and Thinking	
Lesson 1-3: Math Is in My World	1. Fractions review PCF
Lesson 1-4: Math Is Explaining and Sharing	2. Compare fractions using one-half as a benchmark U8S
Lesson 1-5: Math Is Finding Patterns	1. Multiply using properties 6PN
Lesson 1-6: Math Is Ours	2. Multiply 1-digit numbers by 2-digit numbers using area models 2EA
	3. Multiply 1-digit numbers by 2-digit numbers 5N3
	<i>Also consider</i>
	• Multiply 1-digit numbers by 2-digit numbers using partial products K5D

Unit 2

Volume

Textbook section	IXL skills
Lesson 2-1: Explore Volume	1. Identify objects with volume YEL
Lesson 2-2: Use Unit Cubes to Determine Volume	1. Volume of rectangular prisms made of unit cubes WG8
Lesson 2-3: Use Formulas to Determine Volume	1. Volume of cubes and rectangular prisms TFL <i>Also consider</i> <ul style="list-style-type: none">Volume of rectangular prisms made of unit cubes: word problems QMA
Lesson 2-4: Determine the Volume of Composite Figures	1. Volume of irregular figures made of unit cubes WCE 2. Volume of compound figures J83
Lesson 2-5: Solve Problems Involving Volume	1. Volume of cubes and rectangular prisms: word problems NR6 2. Compare volumes and dimensions of rectangular prisms: word problems JP6

Unit 3

Place Value and Number Relationships

Textbook section	IXL skills
Lesson 3-1: Generalize Place Value	1. Relationship between place values ESA <i>Also consider</i> <ul style="list-style-type: none"> Convert decimals to fractions and mixed numbers LZN Put a mix of decimals, fractions, and mixed numbers in order SR7
Lesson 3-2: Extend Place Value to Decimals	1. Relationship between decimal place values DVM 2. Place values in decimal numbers X8U
Lesson 3-3: Read and Write Decimals	1. Understanding decimals expressed in words F9G 2. Convert decimals between expanded and standard form ZN2
Lesson 3-4: Compose and Decompose Multi-Digit Numbers with Decimals	1. Compose and decompose decimals in multiple ways 7U9
Lesson 3-5: Compare and Order Multi-Digit Numbers with Decimals	1. Compare decimals on number lines CUF 2. Compare decimal numbers NSG 3. Put decimal numbers in order YUX <i>Also consider</i> <ul style="list-style-type: none"> Decimal number lines DQ2 Compare money amounts 2LP
Lesson 3-6: Use Place Value to Round Multi-Digit Numbers with Decimals	1. Round decimals MPB

Unit 4

Add and Subtract Multi-Digit Numbers with Decimals

Textbook section	IXL skills
Lesson 4-1: Estimate Sums and Differences of Decimals	<ol style="list-style-type: none">Estimate sums and differences of decimals using rounding Y8R <p><i>Also consider</i></p> <ul style="list-style-type: none">Estimate sums and differences of decimals using benchmarks CHE
Lesson 4-2: Decompose to Add Decimals	
Lesson 4-3: Use Partial Sums to Add Decimals	
Lesson 4-4: Use an Algorithm to Add Decimals	<ol style="list-style-type: none">Add decimals 6DGAdd decimals: word problems 9LZ <p><i>Also consider</i></p> <ul style="list-style-type: none">Add money amounts EJU
Lesson 4-5: Decompose to Subtract Decimals	
Lesson 4-6: Use Related Addition to Subtract Decimals	<ol style="list-style-type: none">Choose decimals with a particular difference AMH <p><i>Also consider</i></p> <ul style="list-style-type: none">Complete the decimal subtraction sentence TWB
Lesson 4-7: Use an Algorithm to Subtract Decimals	<ol style="list-style-type: none">Subtract decimals E46Subtract decimals: word problems DWD <p><i>Also consider</i></p> <ul style="list-style-type: none">Subtract money amounts Q64

Unit 5

Multiply Multi-Digit Whole Numbers

Textbook section	IXL skills
Lesson 5-1: Estimate Products of Multi-Digit Factors	<ol style="list-style-type: none">1. Estimate products LXM2. Estimate products: word problems GVG3. Estimate products word problems: identify reasonable answers WP8
Lesson 5-2: Relate Partial Products to an Algorithm	<ol style="list-style-type: none">1. Multiply 1-digit numbers by 3-digit or 4-digit numbers using partial products SBM2. Multiply 1-digit numbers by 3-digit or 4-digit numbers G8N
Lesson 5-3: Use Partial Products to Multiply Multi-Digit Factors	<ol style="list-style-type: none">1. Multiply 2-digit numbers using partial products CZ5
Lesson 5-4: Multiply Multi-Digit Factors Fluently	<ol style="list-style-type: none">1. Multiply by 2-digit numbers: complete the missing steps KQ72. Multiply by 2-digit numbers 9X53. Multiply by 2-digit numbers: word problems J95
Lesson 5-5: Solve Multi-Step Problems Involving Multiplication	<ol style="list-style-type: none">1. Multi-step word problems with multiplication 37C

Unit 6

Multiply Multi-Digit Numbers with Decimals

Textbook section	IXL skills
Lesson 6-1: Estimate Products of Multi-Digit Numbers with Decimals	1. Estimate products of decimals SL7
Lesson 6-2: Patterns When Multiplying Decimals by 10 or 100	1. Multiply a decimal number by 10 or 100 B9W
Lesson 6-3: Patterns When Multiplying Decimals by 0.1 or 0.01	1. Multiply by 0.1 or 0.01 85W
Lesson 6-4: Explore Multiplication of Decimals	1. Multiply a decimal by a one-digit whole number XNY 2. Multiply decimals less than one using grids R9T 3. Multiply decimals using grids 66Z <i>Also consider</i> <ul style="list-style-type: none"> Multiply a decimal by a one-digit whole number using blocks U5Q
Lesson 6-5: Use an Area Model to Multiply Multi-Digit Numbers with Decimals	1. Multiply a decimal by a two-digit whole number using area models VNT
Lesson 6-6: Solve Multi-Step Problems Involving Money and Multiplication	1. Multiply money amounts: multi-step word problems THS

Unit 7

Divide Multi-Digit Whole Numbers

Textbook section	IXL skills
Lesson 7-1: Estimate Quotients	<ol style="list-style-type: none"> Estimate quotients: 2-digit divisors EFW Estimate quotients: word problems HD6
Lesson 7-2: Relate Multiplication and Division of Multi-Digit Numbers	<ol style="list-style-type: none"> Relate multiplication and division VA6
Lesson 7-3: Represent Division of 2-Digit Divisors	<ol style="list-style-type: none"> Divide by 2-digit numbers using models AJA <p><i>Also consider</i></p> <ul style="list-style-type: none"> Divide using area models C9C
Lesson 7-4: Use Partial Quotients to Divide	<ol style="list-style-type: none"> Divide using partial quotients HZB
Lesson 7-5: Relate Partial Quotients to an Algorithm	<ol style="list-style-type: none"> Divide by 1-digit numbers: interpret remainders 72W Divide multi-digit numbers by 1-digit numbers: word problems 5DE
Lesson 7-6: Use an Algorithm to Divide	<ol style="list-style-type: none"> Divide 4-digit and 5-digit numbers by 2-digit numbers: write remainders as fractions DJW <p><i>Also consider</i></p> <ul style="list-style-type: none"> Divide 3-digit numbers by 2-digit numbers: write remainders as fractions PMG Divide by 2-digit numbers using partial quotients ASM Divide 3-digit and 4-digit numbers by 2-digit numbers WUW Adjust quotients 5FH
Lesson 7-7: Solve Multi-Step Problems Involving Division	<ol style="list-style-type: none"> Multi-step word problems: multiplicative comparison V59 <p><i>Also consider</i></p> <ul style="list-style-type: none"> Divide 3-digit and 4-digit numbers by 2-digit numbers: word problems ZS5



Lesson 7-8: Solve Multi-Step Problems

1. Multi-step word problems Z76
 2. Multi-step word problems involving remainders XGE
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Unit 8

Divide Multi-Digit Numbers with Decimals

Textbook section	IXL skills
Lesson 8-1: Estimate Quotients of Multi-Digit Numbers with Decimals	<ol style="list-style-type: none"> 1. Estimate decimal quotients CZ9
Lesson 8-2: Division Patterns with Decimals	<ol style="list-style-type: none"> 1. Divide by powers of ten H2N 2. Decimal division patterns over increasing place values GNC 3. Divide by 0.1 or 0.01 YFB <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Divide by a power of ten with decimals: find the missing number R2P
Lesson 8-3: Explore Division of Decimals by a Whole Number	<ol style="list-style-type: none"> 1. Divide decimals using blocks: complete the equation DDK <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Divide decimals using area models: complete the equation U6C
Lesson 8-4: Divide Decimals by Whole Numbers	<ol style="list-style-type: none"> 1. Divide decimals by one-digit whole numbers without adding zeros MTQ 2. Divide decimals by one-digit whole numbers: word problems D66
Lesson 8-5: Divide Whole Numbers by Decimals	<ol style="list-style-type: none"> 1. Divide whole numbers by decimals M5D
Lesson 8-6: Divide Decimals by Decimals	<ol style="list-style-type: none"> 1. Divide decimals by decimals: whole number quotients HUK
Lesson 8-7: Solve Multi-Step Problems Involving Money	<ol style="list-style-type: none"> 1. Add and subtract money: multi-step word problems MCG 2. Multiply money amounts: multi-step word problems THS 3. Divide money amounts: word problems 2RU <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Unit prices C5N

Unit 9

Add and Subtract Fractions

Textbook section	IXL skills
Lesson 9-1: Estimate Sums and Differences of Fractions	<ol style="list-style-type: none"> Estimate sums and differences of fractions using benchmarks 9JR
Lesson 9-2: Represent Addition of Fractions with Unlike Denominators	<ol style="list-style-type: none"> Add fractions with unlike denominators using models 2BS <p><i>Also consider</i></p> <ul style="list-style-type: none"> Represent addition of fractions with unlike denominators using objects HDL Add fractions with unlike denominators using objects KNQ
Lesson 9-3: Add Fractions with Unlike Denominators	<ol style="list-style-type: none"> Least common denominator R7P Add fractions with unlike denominators D9N Add fractions with unlike denominators: word problems XPP
Lesson 9-4: Represent Subtraction of Fractions with Unlike Denominators	<ol style="list-style-type: none"> Subtract fractions with unlike denominators using models QA6 <p><i>Also consider</i></p> <ul style="list-style-type: none"> Represent subtraction of fractions with unlike denominators using objects SGX Subtract fractions with unlike denominators using objects YT7
Lesson 9-5: Subtract Fractions with Unlike Denominators	<ol style="list-style-type: none"> Subtract fractions with unlike denominators VSP Add and subtract fractions with unlike denominators: word problems TCD
Lesson 9-6: Add Mixed Numbers with Unlike Denominators	<ol style="list-style-type: none"> Add mixed numbers with unlike denominators: without regrouping M6H
Lesson 9-7: Subtract Mixed Numbers with Unlike Denominators	<ol style="list-style-type: none"> Subtract mixed numbers with unlike denominators: without regrouping VXG



Lesson 9-8: Add and Subtract Mixed Numbers with Regrouping

1. Add and subtract mixed numbers with unlike denominators: with regrouping MRP

Lesson 9-9: Solve Problems Involving Fractions and Mixed Numbers

1. Add and subtract mixed numbers with unlike denominators: word problems 48E

Unit 10

Multiply Fractions

Textbook section	IXL skills
Lesson 10-1: Predict Products of Fractions	<ol style="list-style-type: none"> Scaling whole numbers by fractions QH2 Scaling fractions by fractions 9RF Scaling mixed numbers by fractions S6B <p><i>Also consider</i></p> <ul style="list-style-type: none"> Scaling whole numbers by fractions: justify your answer Q7M
Lesson 10-2: Represent Multiplication of a Fraction by a Fraction	<ol style="list-style-type: none"> Multiply two fractions using models UAY <p><i>Also consider</i></p> <ul style="list-style-type: none"> Multiply two unit fractions using models HDJ
Lesson 10-3: Multiply a Fraction by a Fraction	<ol style="list-style-type: none"> Multiply two fractions 8KV <p><i>Also consider</i></p> <ul style="list-style-type: none"> Complete the fraction multiplication sentence I S6G Complete the fraction multiplication sentence II BUZ
Lesson 10-4: Represent Multiplication of Mixed Numbers	<ol style="list-style-type: none"> Multiply with mixed numbers using area models WVR <p><i>Also consider</i></p> <ul style="list-style-type: none"> Multiply fractions greater than one using models M76
Lesson 10-5: Multiply Mixed Numbers	<ol style="list-style-type: none"> Multiply mixed numbers, fractions, and whole numbers XSE
Lesson 10-6: Solve Problems Involving Area	<ol style="list-style-type: none"> Understand fraction multiplication and area NFK Multiply fractions to find area SEZ Multiply a mixed number by a whole number using a model I ZJ7

Also consider

- Multiply a mixed number by a whole number using a model II FWN

Lesson 10-7: Solve Problems Involving Perimeter

1. Perimeter of rectangles with fractional side lengths EKM

Lesson 10-8: Solve Problems Involving Fractions

1. Multiply two fractions: word problems 38Y
2. Multiplication with mixed numbers: word problems 5W6
3. Multiply fractions and mixed numbers in recipes QHN

Unit 11

Divide Fractions

Textbook section	IXL skills
Lesson 11-1: Relate Fractions to Division	1. Relate division and fractions D86
Lesson 11-2: Solve Problems Involving Division	1. Understand fractions as division: word problems CTD <i>Also consider</i> <ul style="list-style-type: none"> One-step word problems involving remainders BGF Divide 3-digit by 2-digit numbers: interpret remainders 87G
Lesson 11-3: Explore Division of Whole Numbers by Unit Fractions	1. Divide whole numbers by unit fractions using area models JYS
Lesson 11-4: Divide Whole Numbers by Unit Fractions	1. Divide whole numbers by unit fractions using models VDU 2. Divide whole numbers by unit fractions 3L9 3. Divide whole numbers by unit fractions: word problems 8QW
Lesson 11-5: Explore Division of Unit Fractions by Non-Zero Whole Numbers	1. Divide unit fractions by whole numbers using models XML <i>Also consider</i> <ul style="list-style-type: none"> Divide unit fractions by whole numbers using area models YBE
Lesson 11-6: Divide Unit Fractions by Non-Zero Whole Numbers	1. Divide unit fractions by whole numbers GXY
Lesson 11-7: Solve Problems Involving Fractions	1. Divide unit fractions and whole numbers: word problems G2N

Unit 12

Geometry

Textbook section	IXL skills
Lesson 12-1: Understand the Coordinate Plane	<ol style="list-style-type: none">1. Describe the coordinate plane PF82. Objects on a coordinate plane NTR
Lesson 12-2: Plot Ordered Pairs on the Coordinate Plane	<ol style="list-style-type: none">1. Graph points on a coordinate plane AST2. Graph points from a table HWV <p><i>Also consider</i></p> <ul style="list-style-type: none">• Follow directions on a coordinate plane XQR
Lesson 12-3: Represent Problems on a Coordinate Plane	<ol style="list-style-type: none">1. Analyze graphed relationships SMY
Lesson 12-4: Classify Triangles	<ol style="list-style-type: none">1. Classify triangles C64
Lesson 12-5: Classify Quadrilaterals	<ol style="list-style-type: none">1. Classify quadrilaterals 2RR2. Identify the relationships between quadrilaterals VQ53. Describe relationships among quadrilaterals BBA
Lesson 12-6: Identify Three-Dimensional Figures	<ol style="list-style-type: none">1. Identify three-dimensional figures HSR
Lesson 12-7: Classify Three-Dimensional Figures	

Unit 13

Measurement and Data

Textbook section	IXL skills
Lesson 13-1: Represent Numerical Data	1. Create and interpret line plots with fractions I DDF
Lesson 13-2: Represent Data on a Line Graph	1. Create line graphs KFZ
Lesson 13-3: Solve Problems Involving Numerical Data	1. Interpret line graphs UFX
Lesson 13-4: Determine Mode, Median, and Range of a Data Set	1. Find the median, mode, or range from a list of whole numbers 75E 2. Find the median, mode, or range from a table or line plot DGT
Lesson 13-5: Determine Mean of a Data Set	1. Interpret line plots to find the mean UXC 2. Find the mean from a list of whole numbers W2R
Lesson 13-6: Convert Customary Units	1. Compare and convert customary units 8DZ 2. Conversion tables - customary units 7HU
Lesson 13-7: Convert Metric Units	1. Compare and convert metric units PJL
Lesson 13-8: Solve Multi-Step Problems Involving Measurement Units	1. Multi-step problems with customary or metric unit conversions ST6

Unit 14

Algebraic Thinking

Textbook section	IXL skills
Lesson 14-1: Write Numerical Expressions	1. Write numerical expressions: two operations 8ME <i>Also consider</i> <ul style="list-style-type: none"> Write numerical expressions: one operation SCJ
Lesson 14-2: Interpret Numerical Expressions	1. Write numerical expressions for word problems NF5
Lesson 14-3: Evaluate Numerical Expressions	1. Evaluate numerical expressions with parentheses HGW 2. Identify mistakes involving the order of operations JLJ 3. Evaluate numerical expressions with parentheses in different places 9F5 <i>Also consider</i> <ul style="list-style-type: none"> Use numerical expressions to solve multi-step word problems RLE
Lesson 14-4: Determine True Equations	1. Equations with mixed operations: true or false QR9
Lesson 14-5: Determine an Unknown Value	1. Write variable equations: word problems TVB 2. Solve equations with whole numbers 5NW 3. Evaluate numerical expressions Z5N <i>Also consider</i> <ul style="list-style-type: none"> Write variable expressions UZZ Write variable expressions: word problems E2M Evaluate numerical expressions with parentheses in different places 9F5
Lesson 14-6: Numerical Patterns	1. Use a rule to complete an addition pattern HZY 2. Input/output tables: find the rule 5GK 3. Using patterns: word problems E9W

Lesson 14-7: Generate Numerical Patterns

1. Use a rule to complete an input/output table XZE
2. Complete a table for a two-variable relationship NEK

Lesson 14-8: Generate More Numerical Patterns

1. Complete a table for a two-variable relationship II RFL
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