



IXL Skill Alignment

6th grade alignment for GO Math! Common Core Edition



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Module 1

Integers

Textbook section	IXL skills
1.1: Identifying Integers and Their Opposites	1. Graph integers on horizontal and vertical number lines 36C
1.2: Comparing and Ordering Integers	1. Compare integers 4G6
1.3: Absolute Value	1. Absolute value 2YZ

Module 2

Greatest Common Factor

Textbook section	IXL skills
2.1: Greatest Common Factor	<ol style="list-style-type: none">1. Identify factors BGJ2. Greatest common factor AMB
2.2: Least Common Multiple	<ol style="list-style-type: none">1. Least common multiple NGA2. GCF and LCM: word problems ZB8

Module 3

Rational Numbers

Textbook section	IXL skills
3.1: Classifying Rational Numbers	
3.2: Identifying Opposites and Absolute Value of Rational Numbers	1. Absolute value of rational numbers <small>KGX</small>
3.3: Comparing and Ordering Rational Numbers	<ol style="list-style-type: none">1. Convert between improper fractions and mixed numbers <small>P9A</small>2. Convert between decimals and fractions <small>FL5</small>3. Compare rational numbers <small>KS2</small>4. Put rational numbers in order <small>5AX</small> <p><i>Also consider</i></p> <ul style="list-style-type: none">• Put a mix of decimals, fractions, and mixed numbers in order <small>AWV</small>

Module 4

Operations with Fractions

Textbook section	IXL skills
4.1: Applying GCF and LCM to Fraction Operations	<ol style="list-style-type: none"> 1. Add and subtract fractions with unlike denominators <small>AWS</small> 2. Add and subtract fractions with unlike denominators: word problems <small>WT5</small> 3. Add and subtract mixed numbers <small>TPZ</small> 4. Add and subtract mixed numbers: word problems <small>X8C</small> 5. Fractions of whole numbers I <small>CGR</small> 6. Fractions of whole numbers II <small>RLN</small> 7. Multiply two fractions <small>BNT</small> 8. Multiply fractions: word problems <small>94H</small> 9. Multiply mixed numbers and whole numbers <small>VUH</small> <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Greatest common factor <small>AMB</small> • Least common multiple <small>NGA</small> • Write fractions in lowest terms <small>5EW</small>
4.2: Dividing Fractions	<ol style="list-style-type: none"> 1. Divide whole numbers by unit fractions using models <small>DXW</small> 2. Reciprocals <small>5BT</small> 3. Divide fractions <small>DS2</small>
4.3: Dividing Mixed Numbers	<ol style="list-style-type: none"> 1. Divide fractions and mixed numbers <small>N2B</small> 2. Divide fractions and mixed numbers: word problems <small>WAH</small>
4.4: Solving Multistep Problems with Fractions and Mixed Numbers	<ol style="list-style-type: none"> 1. Add, subtract, multiply, or divide two fractions <small>2VR</small> 2. Add, subtract, multiply, or divide two fractions: word problems <small>RDY</small> 3. Evaluate numerical expressions involving fractions <small>WNE</small>

Module 5

Operations with Decimals

Textbook section	IXL skills
5.1: Dividing Whole Numbers	<ol style="list-style-type: none"> 1. Divide whole numbers - 2-digit divisors FL2 2. Divide whole numbers - 3-digit divisors STW <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Divide numbers ending in zeroes: word problems 95H • Estimate quotients 5RQ
5.2: Adding and Subtracting Decimals	<ol style="list-style-type: none"> 1. Add and subtract decimal numbers 79J 2. Add and subtract decimals: word problems 97T 3. Add and subtract money amounts QHL 4. Add and subtract money amounts: word problems DR9 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Estimate sums and differences of decimals SJ6
5.3: Multiplying Decimals	<ol style="list-style-type: none"> 1. Multiply decimals 2WT <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Estimate products of decimal numbers EPL • Multiply money by whole numbers and decimals 3D8 • Multiply money: word problems C5S
5.4: Dividing Decimals	<ol style="list-style-type: none"> 1. Divide decimals by whole numbers NLL 2. Divide decimals by whole numbers: word problems TWZ 3. Division with decimal quotients BFR 4. Divide money amounts WPH 5. Divide money amounts: word problems SEF
5.5: Applying Operations with Rational Numbers	<ol style="list-style-type: none"> 1. Convert between decimals and fractions FL5 2. Evaluate numerical expressions involving decimals YEE



3. Evaluate numerical expressions involving fractions WNE

Module 6

Representing Ratios and Rates

Textbook section	IXL skills
6.1: Ratios	<ol style="list-style-type: none">1. Write a ratio 83K2. Write a ratio: word problems SBQ3. Identify equivalent ratios 2LM4. Equivalent ratios: word problems RLZ
6.2: Rates	<ol style="list-style-type: none">1. Ratio tables PPF2. Unit rates JSZ3. Ratios and rates: word problems ZB94. Unit prices UKD
6.3: Using Ratios and Rates to Solve Problems	<ol style="list-style-type: none">1. Write a ratio: word problems SBQ2. Ratio tables PPF3. Equivalent ratios: word problems RLZ4. Compare ratios: word problems 2HT5. Ratios and rates: word problems ZB9

Module 7

Applying Ratios and Rates

Textbook section	IXL skills
7.1: Ratios, Rates, Tables, and Graphs	<ol style="list-style-type: none">1. Identify equivalent ratios 2LM2. Ratio tables PPF3. Equivalent ratios: word problems RLZ4. Unit rates JSZ5. Ratios and rates: word problems ZB9
7.2: Solving Problems with Proportions	<ol style="list-style-type: none">1. Do the ratios form a proportion? LVW2. Scale drawings: word problems UFW
7.3: Converting Within Measurement Systems	<ol style="list-style-type: none">1. Convert and compare customary units 9TJ2. Customary unit conversions involving fractions and mixed numbers UHE3. Convert and compare metric units FDH
7.4: Converting Between Measurement Systems	<ol style="list-style-type: none">1. Convert between customary and metric systems 5CF

Module 8

Percents

Textbook section	IXL skills
8.1: Understanding Percent	<ol style="list-style-type: none">1. Compare percents to each other and to fractions GBY2. Compare percents and fractions: word problems 9C8
8.2: Percents, Fractions, and Decimals	<ol style="list-style-type: none">1. Convert between percents, fractions, and decimals ZAV
8.3: Solving Percent Problems	<ol style="list-style-type: none">1. Percents of numbers and money amounts 8N42. Percents of numbers: word problems BBY3. Find what percent one number is of another PE74. Find what percent one number is of another: word problems 49B

Module 9

Generating Equivalent Numerical Expressions

Textbook section	IXL skills
9.1: Exponents	<ol style="list-style-type: none">1. Write multiplication expressions using exponents TY52. Evaluate exponents XDA3. Find the missing exponent or base HC54. Exponents with decimal bases D5D5. Exponents with fractional bases GEQ
9.2: Prime Factorization	<ol style="list-style-type: none">1. Identify factors BGJ2. Prime factorization 9CP3. Prime factorization with exponents WLU <p><i>Also consider</i></p> <ul style="list-style-type: none">• Prime or composite DFC
9.3: Order of Operations	<ol style="list-style-type: none">1. Evaluate numerical expressions involving whole numbers MLU <p><i>Also consider</i></p> <ul style="list-style-type: none">• Evaluate numerical expressions involving fractions WNE• Evaluate numerical expressions involving integers K6R

Module 10

Generating Equivalent Algebraic Expressions

Textbook section	IXL skills
10.1: Modeling and Writing Expressions	<ol style="list-style-type: none">1. Write variable expressions: two operations CX92. Write variable expressions: word problems 6LQ
10.2: Evaluating Expressions	<ol style="list-style-type: none">1. Evaluate variable expressions with whole numbers Q8Z2. Evaluate multi-variable expressions HC93. Evaluate variable expressions with decimals, fractions, and mixed numbers 49T
10.3: Generating Equivalent Expressions	<ol style="list-style-type: none">1. Identify terms and coefficients 9KE2. Properties of addition JRM3. Properties of multiplication HC84. Multiply using the distributive property 2HH5. Write equivalent expressions using properties R8H6. Add and subtract like terms CN97. Identify equivalent expressions II HTG

Module 11

Equations and Relationships

Textbook section

IXL skills

11.1: Writing Equations to Represent Situations

11.2: Addition and Subtraction Equations

11.3: Multiplication and Division Equations

1. Model and solve equations using algebra tiles G6Z
 2. Solve one-step equations with whole numbers WLR
 3. Solve one-step multiplication and division equations with decimals, fractions, and whole numbers T53
 4. Solve one-step equations: word problems BXY
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11.4: Writing Inequalities

1. Solutions to inequalities P9N
2. Write inequalities from number lines N99

Also consider

- Graph inequalities on number lines CXX
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Module 12

Graphing on the Coordinate Plane

Textbook section	IXL skills
12.1: Graphing on the Coordinate Plane	<ol style="list-style-type: none">1. Objects on a coordinate plane GFN2. Graph points on a coordinate plane VHQ
12.2: Independent and Dependent Variables in Tables and Graphs	<ol style="list-style-type: none">1. Identify independent and dependent variables: word problems 9UJ
12.3: Writing Equations from Tables	<ol style="list-style-type: none">1. Complete a table for a two-variable relationship TZB2. Write a two-variable equation 2RE
12.4: Representing Algebraic Relationships in Tables and Graphs	<ol style="list-style-type: none">1. Complete a table for a two-variable relationship TZB2. Graph a two-variable equation TJA <p><i>Also consider</i></p> <ul style="list-style-type: none">• Identify the graph of an equation WN7

Module 13

Area and Polygons

Textbook section	IXL skills
13.1: Area of Quadrilaterals	
13.2: Area of Triangles	1. Area of quadrilaterals 27F
13.3: Solving Area Equations	
13.4: Area of Polygons	1. Area of compound figures 76U <i>Also consider</i> <ul style="list-style-type: none">• Area between two rectangles EY6• Area between two triangles 8RG

Module 14

Distance and Area in the Coordinate Plane

Textbook section	IXL skills
14.1: Distance in the Coordinate Plane	1. Distance between two points A7P
14.2: Polygons in the Coordinate Plane	

Module 15

Surface Area and Volume of Solids

Textbook section

IXL skills

15.1: Nets and Surface Area

1. Surface area of cubes and rectangular prisms RMG

Also consider

- Nets of three-dimensional figures 8KP

15.2: Volume of Rectangular Prisms

15.3: Solving Volume Equations

1. Volume of cubes and rectangular prisms XHF
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Module 16

Displaying, Analyzing, and Summarizing Data

Textbook section	IXL skills
16.1: Measures of Center	
16.2: Mean Absolute Deviation	
16.3: Box Plots	1. Box plots E9F
16.4: Dot Plots and Data Distribution	1. Interpret line plots M5Y 2. Create line plots 5HD
16.5: Histograms	1. Create histograms 7NG