



IXL Skill Alignment

7th grade alignment for GO Math! Common Core Edition



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Module 1

Adding and Subtracting Integers

Textbook section	IXL skills
1.1: Adding Integers with Same Sign	
1.2: Adding Integers with Different Signs	
1.3: Subtracting Integers	<ol style="list-style-type: none">1. Integer addition and subtraction rules 6EV2. Add and subtract integers using counters B8X3. Add and subtract integers FNS
1.4: Applying Addition and Subtraction of Integers	<ol style="list-style-type: none">1. Add and subtract integers: word problems 2DD <p><i>Also consider</i></p> <ul style="list-style-type: none">• Complete addition and subtraction equations with integers P6A

Module 2

Multiplying and Dividing Integers

Textbook section	IXL skills
2.1: Multiplying Integers	
2.2: Dividing Integers	<ol style="list-style-type: none">1. Integer multiplication and division rules 5R82. Multiply and divide integers R8D <p><i>Also consider</i></p> <ul style="list-style-type: none">• Complete multiplication and division equations with integers K94
2.3: Applying Integer Operations	<ol style="list-style-type: none">1. Evaluate numerical expressions involving integers 7YN

Module 3

Rational Numbers

Textbook section	IXL skills
3.1: Rational Numbers and Decimals	
3.2: Adding Rational Numbers	
3.3: Subtracting Rational Numbers	<ol style="list-style-type: none">1. Add and subtract rational numbers <small>GKU</small> <p><i>Also consider</i></p> <ul style="list-style-type: none">• Add and subtract decimals <small>BP2</small>• Add and subtract fractions <small>NGL</small>• Add and subtract mixed numbers <small>9BE</small>
3.4: Multiplying Rational Numbers	
3.5: Dividing Rational Numbers	<ol style="list-style-type: none">1. Multiply and divide rational numbers <small>BXW</small>
3.6: Applying Rational Number Operations	<ol style="list-style-type: none">1. Add and subtract rational numbers <small>GKU</small>2. Multiply and divide rational numbers <small>BXW</small>

Module 4

Ratios and Proportionality

Textbook section	IXL skills
4.1: Unit Rates	1. Unit rates 2NB
4.2: Constant Rates of Change	
4.3: Proportional Relationships and Graphs	<ol style="list-style-type: none">1. Constant rate of change TWW2. Identify proportional relationships from graphs and equations NB5 <p><i>Also consider</i></p> <ul style="list-style-type: none">• Write equations for proportional relationships from tables 6GU• Identify proportional relationships by graphing AAN

Module 5

Proportions and Percents

Textbook section

IXL skills

5.1: Percent Increase and Decrease

1. Percent of change BL7
2. Percent of change: word problems 54S

5.2: Rewriting Percent Expressions

5.3: Applications of Percent

1. Percent of a number: tax, discount, and more SPN
2. Find the percent: tax, discount, and more PBM
3. Multi-step problems with percents ZHX
4. Estimate tips Y5R
5. Simple interest E7Y

Module 6

Expressions and Equations

Textbook section	IXL skills
6.1: Algebraic Expressions	<ol style="list-style-type: none">1. Write variable expressions: two or three operations EGS2. Write variable expressions: word problems XMD3. Multiply using the distributive property NUY
6.2: One-Step Equations with Rational Coefficients	<ol style="list-style-type: none">1. Solve one-step equations WKM2. Solve equations: word problems D2Y
6.3: Writing Two-Step Equations	
6.4: Solving Two-Step Equations	<ol style="list-style-type: none">1. Solve two-step equations QEB <p><i>Also consider</i></p> <ul style="list-style-type: none">• Model and solve equations using algebra tiles EGK

Module 7

Inequalities

Textbook section	IXL skills
7.1: Writing and Solving One-Step Inequalities	<ol style="list-style-type: none">1. Solutions to inequalities 8BA2. Graph inequalities on number lines VLU3. Solve one-step inequalities QWH
7.2: Writing Two-Step Inequalities	
7.3: Solving Two-Step Inequalities	<ol style="list-style-type: none">1. Solve two-step inequalities XGQ2. Graph solutions to two-step inequalities 6TT

Module 8

Modeling Geometric Figures

Textbook section	IXL skills
8.1: Similar Shapes and Scale Drawings	1. Scale drawings: word problems 84H
8.2: Geometric Drawings	
8.3: Cross Sections	
8.4: Angles Relationships	1. Identify complementary, supplementary, vertical, and adjacent angles HKG 2. Find measures of complementary, supplementary, vertical, and adjacent angles CST

Module 9

Circumference, Area, and Volume

Textbook section	IXL skills
9.1: Circumference	1. Circumference of circles KS7
9.2: Area of Circles	1. Area of circles YA8 2. Circles: word problems P56
9.3: Area of Composite Figures	1. Area of compound figures with triangles, semicircles, and quarter circles N97
9.4: Solving Surface Area Problems	1. Surface area of cubes and prisms RFP
9.5: Solving Volume Problems	1. Volume of cubes and prisms URT

Module 10

Random Samples and Populations

Textbook section	IXL skills
10.1: Population and Samples	1. Identify representative, random, and biased samples 5V3
10.2: Making Inferences from a Random Sample	
10.3: Generating Random Samples	

Module 11

Analyzing and Comparing Data

Textbook section	IXL skills
11.1: Comparing Data Displayed in Dot Plots	
11.2: Comparing Data Displayed in Box Plots	1. Box plots SKN
11.3: Using Statistical Measures to Compare Populations	

Module 12

Experimental Probability

Textbook section	IXL skills
12.1: Probability	
12.2: Experimental Probability of Simple Events	1. Experimental probability 9AA
12.3: Experimental Probability of Compound Events	1. Compound events: find the number of outcomes HZR
12.4: Making Predictions with Experimental Probability	

Module 13

Theoretical Probability and Simulations

Textbook section	IXL skills
13.1: Theoretical Probability of Simple Events	1. Probability of simple events ZZB
13.2: Theoretical Probability of Compound Events	1. Compound events: find the number of outcomes HZR
13.3: Making Predictions with Theoretical Probability	1. Make predictions using theoretical probability 9UW
13.4: Using Technology to Conduct a Simulation	