

Summer IXL for Rising Algebra I

Select GRADE 7

All sections to SmartScore of 70 or higher, unless otherwise denoted for remedial work.
No calculators permitted.

Completing all sections below to the SmartScore of 70 will be recorded as two quiz grades of 100. Incomplete sections will result in lowered quiz grades. Each section is worth approximately 5 points off the quiz grades if not completed. This is a required assignment.

NEW! Students should bring this sheet AND printed verification of their work on the first day of class.

- To access this information, sign into IXL and choose "Analytics" across the top green menu bar.
- After selecting Analytics, choose "Scores" in the new white menu bar populated.
- Ensure the correct grade is selected in the drop-down to the left of the screen (Grade 7).
- Click the print icon to the right of the SCORE CHART.
- You can use this to check your progress, ensure your SmartScores are brought to a 70 or greater, and cross-check with the sections below to ensure you have completed them all.

Section A: Integers

Topic	SmartScore
Absolute Value and Opposite Integers	

Section B: Operations with Integers

Topic	SmartScore
Add & Subtract Integers	
Multiply & Divide Integers	
Integer Division Rules	
Complete Multiplication & Division Equations with Integers	
Evaluate Numerical Expressions Involving Integers	

Section D: Operations with Decimals

Topic	SmartScore
Divide Decimals	
Evaluate Numerical Expressions Involving Decimals	

Section E: Number Theory

Topic	SmartScore
Prime Factorization	
Greatest Common Factor	
Least Common Multiple	

Section G: Operations with Fractions

Topic	SmartScore
Evaluate Numerical Expressions Involving Fractions	

Section H: Rational Numbers

Topic	SmartScore
Convert Between Decimals, Fractions or Mixed Numbers	
Compare Rational Numbers	

Section I: Operations with Rational Numbers

Topic	SmartScore
Add/Subtract Positive/Negative Fractions	
Multiply/Divide Positive/Negative Fractions	

Section J: Exponents

Topic	SmartScore
Powers with Negative Bases	
Powers with Decimal & Fraction Bases	
Evaluate Numerical Expressions Involving Exponents	

Section K: Square Roots

Topic	SmartScore
Square Roots of Perfect Squares	

Section L: Ratios, Rates & Proportions

Topic	SmartScore
Solve Proportions	
Solve Proportions: Word Problems	

Section M: Coordinate Plane

Topic	SmartScore
Quadrants & Axes	

Section O Percents

Topic	SmartScore
Convert Between Percents, Fractions, & Decimals	
Solve Percent Equations	

Section P: Consumer Math

Topic	SmartScore
Percent of a Number: Tax, Discount, & More	

Section Q: Units of Measure

Topic	SmartScore
Compare & Convert Customary Units	
Compare & Convert Metric Units	

Section R: Expressions

Topic	SmartScore
Evaluate Multi-Variable Expressions	
Evaluate Absolute Value Expressions	
Evaluate Nonlinear Expressions	

Section T: One-Variable Equations

Topic	SmartScore
Write an Equation From Words	
Solve Two-Step Equations	
Solve Two-Step Equations: Word Problems	

Section X: Two-Variable Equations

Topic	SmartScore
Find a Value Using Two-Variable Equations	
Identify the Graph of an Equation	
Graph a Two-Variable Equation	

Section BB: Perimeter and Area

Topic	SmartScore
Perimeter	
Area of Rectangles & Parallelograms	
Area of Circles	

Updated July 2023, Ed LaRock