

2023 Summer Math: For Pre-Algebra Students Rising to Algebra I in 8th Grade

Please practice the skills below on IXL. You will be working on the 8th grade level because the summer practice is a review of what you have covered this year. You will need to master each skill with a smart score of 85% or above. Please fill in your smart score as you progress through the skills and bring this sheet with you on the first day of school next year. Your smart scores will be averaged to get a quiz grade for the 2023-2024 academic year!

Helpful Tips:

- If you get a question wrong, read the explanation so that you don't make the same mistake next time.
- Use pencil and paper to work out the problems.
- Stretch out the work over the course of the summer. Leaving it all to the last minute will be stressful!
- Skills with * next to the name are assignments where you can use a calculator.

	SKILL NAME	SMART SCORE
1	Apply Addition, Subtraction, Multiplication, and Division Rules	
2	Factors of Linear Expression	
3	Multiply and Divide Powers: Integer Bases	
4	Estimate Positive Square Roots	
5	Solve Equations Using Cube Roots	
6	Put Rational Numbers in Order	
7	Do the Ratios Form a Proportion: Word Problems (7 th gr skill)	
8	Solve Percent Equations*	
9	Find the Percent: Tax, Discount, and More*	
10	Triangle Angle Sum Theorem*	
11	Area and Perimeter Word Problems*	
12	Solve Multi-step Equations with Fractional Coefficients	
13	Solve Inequalities with Decimals: Variables on Both Sides	
14	Graph a Line Using Slope	
15	Interpret Scatter Plots	

Student Name: _____ (Please Print.)

Parent Signature: _____

Student Signature: _____