

2023 IXL Summer Math

8th Grade Pre-Algebra Students Entering 9th Grade Algebra I

Please use the following skills on IXL for practice. Since you have already studied Pre-Algebra, you will be focusing on the IXL **8th Grade level** during the summer practice. This practice serves as a review of the topics you learned in the past year. Spend time on each skill until you achieve a **smart score of at least 70 or until you have spent 25 minutes on that section**. Keep track of your progress on the accompanying sheet and bring it with you on the first day of school next year. Your instructor will confirm your completion of the IXL practice and assign a quiz grade. This grade will reflect your completion and will count towards your Geometry class in the upcoming year. This practice will help you prepare to learn new skills at the next level.

Quick Link: <https://www.ixl.com/math/grade-8>

Login Info: username: firstnamelastname584 password: falcons

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!

Category	Code	Skill name	Smart Score/Time
Integers	A	<ul style="list-style-type: none"> Compare and order integers (A.1) Add and subtract integers (A.4) 	
Rational Numbers	B	<ul style="list-style-type: none"> Convert between repeating decimals and fractions (B.1) Add and subtract rational numbers (B.6) Multiply and divide rational numbers (B.9) 	
Exponents	C	<ul style="list-style-type: none"> Understanding exponents (C.1) 	
Square roots and cube roots	E	<ul style="list-style-type: none"> Square roots of perfect squares (E.1) Positive and negative square roots (E.3) Solve equations using square roots (E.6) 	
Percents	H	<ul style="list-style-type: none"> Percent of change (H.10) 	
Consumer Math	I	<ul style="list-style-type: none"> Find the percent: tax, discount, and more (I.6) 	
Pythagorean Theorem	T	<ul style="list-style-type: none"> Pythagorean theorem: find the missing leg or hypotenuse length (T.3) Pythagorean theorem: find the perimeter (T.4) 	
Geometric Measurement	V	<ul style="list-style-type: none"> Area and perimeter word problems (V.3) 	
One-Variable Equations	M	<ul style="list-style-type: none"> Solve equations with variables on both sides (M.12) 	
Linear Equations	AA	<ul style="list-style-type: none"> Slope-intercept form: find the slope and y-intercept (AA.3) Graph a line from an equation in slope-intercept form (AA.4) Graph a line from a slope and a point (AA.8) 	

Student Name: _____

Student Signature: _____

Parent Name: _____

Parent Signature: _____