

PHCS Summer Math Work – Rising Algebra 1



Dear Parents & Students:

Summer is a time to relax, spend time with family, and hopefully explore new places. We want all students to have a fun filled engaging summer. In addition to the fun, we want to help students continue to think and problem solve through the summer. On average students lose approximately 2.6 months of grade-level equivalency in mathematical computation skills during the summer months. This is the reason we are asking all students to participate in the Summer Math Work Challenge. The challenge is broken down into five weeks. While students may complete skills during any week in the summer, we ask that skills are spread out rather than waiting until right before coming back to school. The purpose of the summer work challenge is to prepare students for next year's math course.

Each teacher carefully chose 20 IXL skills to refresh and prepare for the next level of mathematics. All 20 skills should be completed prior to the first day of the 2023-2024 school year. Summer Work is required and will count for an accountability grade first quarter. Not completing the Summer Math Work Challenge may also affect math placement for the 2023-2024 school year. Let's keep our skills sharp. Have a great summer!

	Skill	IXL	Date Completed
Week 1			
1	Coordinate Plane Review	T6E	
2	Evaluate Exponents	EYR	
3	Write Equations of Proportional Relationships from Graphs	JKH	
4	Add and Subtract Integers	FNS	
Week 2			
5	Square Roots of Perfect Squares	WRT	
6	Multiply and Divide Integers	R8D	
7	Solve Two-Step Equations	QEB	
8	Solve One and Two Step Equations- Word Problems	HCP	
Week 3			
9	Find the Slope from a Graph	YH9	
10	Simplify Expressions by Combining Like Terms	JJG	
11	Multiplication and Division with Exponents	L2J	
12	Solve Equations with Variables on Both Sides	ZYL	
Week 4			
13	Evaluate numerical expressions using integers	Y6W	
14	Add and Subtract Rational Numbers	GKU	
15	Make Predictions from Scatter Plots	CM7	
16	Find the slope from a table	GSB	
Week 5			
17	Graph a line from an Equation	W5E	
18	Multiply and Divide Rational Numbers	BXW	
19	Evaluate Expressions using Properties of Exponents	UTY	
20	Write a Linear Equation From a Graph	WHM	