

PHCS Summer Math Work – Rising 8th Standard



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	Graph Triangles and Quadrilaterals	MEZ	
2	Find Measures of Complementary, Supplementary, Vertical and Adjacent Angles	CST	
3	Scale Drawings of Polygons	WEA	
4	Identify Proportional Relationships from Tables	6V7	
5	Write Equations For Proportional Relationships From Graphs	JKH	
6	Interpret Graphs of Proportional Relationships	RMH	
7	Add and Subtract Rational Numbers	GKU	
8	Multiply and Divide Rational Numbers	BXW	
9	Solve Two-Step Equations with Parentheses	NSH	
10	Solve Equations Involving Like Terms	VSW	
11	Volume of Cubes and Rectangular Prisms: Word Problems	8WV	
12	Add and Subtract Integers	FNS	
13	Multiply and Divide Integers	R8D	
14	Add and Subtract Linear Expressions	6BT	
15	Complete a Table for a Two-Variable Relationship	2LU	
16	Interpret Charts and Graphs to Find Mean, Median, Mode, and Range	CYK	
17	Triangle Inequality	5RX	
18	Experimental Probability	9AA	
19	Graph Solutions to Two-Step Inequalities	6TT	
20	Convert Between Decimals and Fractions or Mixed Numbers	8XE	