8ᵗʰ Grade Common Core Topics Sheet

Topic #	Description	Date of Quiz	Score
Topic 1	a. Decimals back to a fraction b. Classification of rational and irrational numbers		
Topic 2	a. Determining cube roots b. Estimating square roots		
Topic 3	Solving equations a. variables on both sides b. equations with parenthesis		
Topic 4	Solutions to an equation (one, infinite, none)		
Topic 5	Proportions a. Graphing and writing b. Solutions to linear equations		
Topic 6	Slope and intercepts		
Topic 7	Graphing linear equations: Slope-intercept form		
Topic 8	Writing linear equations a. Slope-intercept form (table, graph, context)		
Topic 9	Functions a. Identifying functions b. Comparing functions c. Constructing linear functions		
Topic 10	Systems: solve by graphing		
Topic 11	Systems: solve by substitution		
Topic 12	Systems: solve by elimination		
Topic 13	Angles between intersecting lines		
Topic 14	Triangle angles		
Topic 15	Pythagorean Theorem		
Topic 16	Volume a. Cylinder and cone b. Sphere and pyramid		
Topic 17	Rigid transformations: a. Translation and reflection		
Topic 18	Rigid transformations (continued) a. Rotation		
Topic 19	Other transformations: a. Dilation		
Topic 20	Line of best fit a. Scatter plots b. Estimating line of best fit		
Topic 21	Interpreting two-way tables		
Topic 22	Exponents with negative bases		
Topic 23	Properties of exponents (product, quotient, power)		
Topic 24	Properties of exponents (zero, negative)		
Topic 25	Scientific notation		
Topic 26	Arithmetic in scientific notation a. $\times$ and $\div$ in scientific notation b. $+$ and $-$ in scientific notation		