



Trinity Lutheran School Seventh Grade Math Essential Standards Chart

Essential Standards Chart: At Trinity Lutheran, we expect children to learn?

Grade: Seventh Grade		Subject: Math				
Standard Description	Common Core Standards	Proficiency	Prerequisite Skill	Assessment	When Taught?	Extension Standards
What is the essential standard to be learned? Written in I Can Statements		What does proficient look like? Provide an example and/or description.	What prior knowledge, skills, and/or vocabulary is/are needed for a student to master this standard?	What assessments will be used to measure student mastery?	When will this standard be taught?	What will we do when students have learned the essential standard(s)?
I can approximate irrational square roots between two whole numbers.	8.NS.A.2	80% on Chapter Assessment		Chapter Assessment	Quarter 2 Singapore 8A Chapter 1	
I can use the properties of integer exponents to simplify expressions.	8.EE.A.1	80% on Chapter Assessment		Chapter Assessment	Singapore 8A Chapter 1	
I can express numbers as a single digit times an integer power of 10; I can	8.EE.A.3-4	80% on Chapter Assessment		Chapter Assessment	Singapore 8A Chapter 1	

estimate very large and very small quantities; I can perform operations with numbers in scientific notation						
I can graph proportional relationships; I can identify the unit rate of the graph as slope; I can compare two different proportional relationships	8.EE.B.5	80% on Chapter Assessment		Chapter Assessment	Singapore 8A Ch. 2 8B ch. 8 8B ch. 9	
I can identify linear equations that have one solution, infinitely many solutions, or no solutions; I can solve linear equations using the distributive property and collecting like terms.	8.EE.C.7	80% on Chapter Assessment		Chapter Assessment	Singapore 7A Ch. 5 Singapore 8A ch. 2	
I can solve pairs of linear equations.	8.EE.C.8	80% on Chapter Assessment		Chapter Assessment	Singapore 8A Ch. 2 6B Ch. 9 7A ch. 5	
I can interpret the linear function $y=mx+b$; I can identify examples of linear and nonlinear	8.F.A.3	80% on Chapter Assessment		Chapter Assessment	Singapore 8B lesson 8	

functions						
I can show that two figures are congruent by using a sequence of rotations, reflections and translations	8.G.A.2	80% on Chapter Assessment		Chapter Assessment	Singapore 8A Ch. 6	
I can show that two figures are similar by using a sequence of rotations, reflections, translations and dilations.	8.G.A.4	80% on Chapter Assessment		Chapter Assessment	Singapore 8A Ch. 6	
I can find the side lengths of right triangles using the Pythagorean Theorem.	8.G.B.7	80% on Chapter Assessment		Chapter Assessment	Singapore 8B Ch. 10	