

Are you ready for the 7th Grade Math SOL?

	<u>I really</u> need to review this.	I just need a quick review.	I've totally got it!
Number Sense			
7.1 I can tell the value of negative powers of ten.			
7.1 I can write numbers in scientific notation and change them back to standard form.			
7.1 I can compare different fractions, decimals, and percents to tell which is greater.			
7.1 I can identify the square root for perfect square numbers up to 400.			
7.1 I can identify the absolute value of any number (including numbers like -3.5 or $5\frac{1}{4}$).			
Computation			
7.2 I can solve real world problems that involve fractions, decimals and percents.			
7.3 I can use proportions to solve word problems involving tax, tip, blueprints, scale maps, etc.			
Measurement and Geometry			
7.4 I can solve problems involving volume and surface area of cylinders.			
7.4 I can solve problems involving volume and surface area of rectangular prisms.			
7.5 I can tell whether a pair of quadrilaterals or triangles is similar and write a proportion to show the relationship between corresponding sides of similar figures.			
7.5 I can solve problems involving similar figures such as finding a missing side length.			
7.6 I can describe characteristics of different quadrilaterals and explain how the figures are related.			
7.7 I can graph points on a coordinate plane to show reflections and translations of triangles and rectangles.			

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Probability and Statistics			
7.8 I can explain the difference between theoretical and experimental probability.			
7.9 I can read and organize numerical data in a histogram and compare this to other types of graphs.			
Patterns and Algebra			
7.10 I can find the slope for a relationship, given a table or a situation with words, and write an equation for the line ($y=mx$).			
7.10 I can find the y-intercept for a relationship, given a table or a situation with words, and write an equation for the line ($y=x+b$).			
7.10 I can graph a line to show a mathematical relationship when given an equation, given one point and the slope, or given one point and the y-intercept.			
7.10 I can explain how the same mathematical relationship can be shown using tables, graphs, equations, or words.			
7.11 I can simplify an algebraic expression by substituting values for the variables and using the order of operations.			
7.12 I can write algebraic expressions or equations for verbal expressions and sentences.			
7.12 I can solve two-step equations and record the steps I use. ($4x - 2 = 7$).			
7.13 I can solve one- and two-step inequalities and graph the solution on a number line. ($2x \leq 5$)			