

A. Numbers and Operations		Date	Grade
	1. Use Whole number operations to solve problems a. Compare whole numbers b. Add/Subtract/Multiply/Divide Whole Numbers c. Use correct order of operations		
	2. Use fractional number operations to solve problems a. Compare and order of operations b. Add/Subtract/Multiply/Divide Fractions c. Make appropriate conversions between whole numbers, fractions, mixed numbers, decimals and percentages		
	3. Use decimal numbers operations to solve problems a. Compare and order of decimals b. Add/Subtract/Multiply/Divide Decimals c. Make appropriate conversions between whole numbers, fractions, mixed numbers, decimals and percentages d. Determine acceptable degree of accuracy and correctly round a decimal		
	4. Solve problems using percentages		
	5. Solve problems using ratio and portion		
	6. Use signed numbers, powers and roots to solve problems a. Compare, order, perform operations with signed numbers b. Perform operations of powers and roots		
	7. Determine the reasonableness of a solution		
	8. Utilize the appropriate technology to perform mathematical operations		

B. Algebraic Relationships		Date	Grade
	1. Solve problems using equations a. Evaluate and simplify expressions b. Solve simple algebraic equations c. Express work statements as mathematical symbols or equations		
	2. Solve problems using formulas a. Choose appropriate formula b. Determine the effects of variable changes		

C. Geometric and Spatial Relationships			
	1. Apply geometric principles in problem solving a. Draw or use visual models to represent and solve problems b. Use the Pythagorean theorem c. Find the perimeter, area and volume of geometric figures		
	2. Use trigonometric relationships with right triangles to determine lengths and angle measures.		

D. Measurement			
	1. Utilize the appropriate measurement tools		
	2. Determine the precision and accuracy of measurement		
	3. Convert to appropriate units of measure		

E. Data and Probability			
	1. Select, interpret, and create appropriate graphical representations of data (ie. Charts, diagram, bar graphs, line graphs, circle graphs)		
	2. Calculate measures of central tendency (ie. Mean, median, mode)		