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	Test Content Categories	How well do I know the content? (scale 1–5)	What resources do I have/need for this content?	Where can I find the resources I need?	Dates I will study this content	Date completed
	I. Number and quantity (36%)					
Page 1	I. Number and quantity (36%)					
	A. Solve problems involving integers,					
	decimals, and fractions					
	B. Solve problems involving ratios and					
	proportions					
	C. Solve problems involving percent					
	D. Solve problems involving constant rates					
	(e.g., miles per hour, gallons per mile,					
	cubic feet per minute)					
	E. Demonstrate an understanding of place					
	value, naming of decimal numbers, and					
	ordering of numbers					
	F. Demonstrate an understanding of the					
	properties of whole numbers (e.g.,					
	factors, multiples, even and odd numbers,					
	prime numbers, divisibility)					
	G. Identify counterexamples to					
	statements using basic arithmetic					
	H. Solve real-life problems by identifying					
	relevant numbers, information, or					
	operations (including rounding)					



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		(Scale 1 5)	content?	neeu:		
Page 2	 Solve problems involving units, including unit conversion and measurements 					
	II. Data interpretation and representation, statistics, and probability (32%)					
	A. Work with data and data representations to solve problems					
	B. Solve problems involving measures of central tendency (e.g., mean, median) and spread (e.g., range, standard deviation)					
	C. Use data from a random sample to draw inferences about characteristics of a population					
	D. Identify positive and negative linear relationships in scatterplots					
	E. Use a linear model for a data set to make predictions					
	F. Differentiate between correlation and causation					
	G. Compute simple probabilities, and use probabilities to solve problems					
	III. Algebra and geometry (32%)					



		How well do I	What	Where can I	Dates I will	Date	
	Test Content Categories	know the	resources do	find the	study this	completed	
		content?	I have/need	resources l	content		
		(scale 1–5)	for this	need?			
		(searc I S)	content?	need.			
			contents				
Dece 12	A. Algebra						
Page 3							
	1. Demonstrate an understanding of						
	the properties (commutative,						
	associative,						
	and distributive) of the basic						
	operations (addition, subtraction,						
	multiplication, and division) without						
	needing to know the names of the						
	properties						
	2. Demonstrate the ability to follow an						
	arithmetic or algebraic procedure						
	(e.g., using a step-by-step procedure,						
	using a simple flowchart, applying a						
	simple recurrence sequence) by						
	carrying it out						
	or analyzing it						
	3. Use properties of operations to						
	identify or generate equivalent						
	algebraic expressions (e.g.,						
	multiplication of whole numbers						
	gives the same result as repeated						
	addition, multiplication by 0.1 gives						
	the same result as division by 10)						
	4. Write an equation or expression that						
	models a real-life or mathematical						
	problem						
	problem						



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Page 4	 Solve word problems, including problems involving linear relationships and problems that can be represented by Venn diagrams 						
	 Solve linear equations in one variable algebraically 						
	7. Solve simple quadratic equations (e.g., $x^2 = 49$)						
	B. Geometry						
	 Utilize basic properties of common two-dimensional shapes to solve problems 						
	 Utilize facts about angles to solve problems 						
	 Utilize facts about congruency and similarity of geometric figures to solve problems 						
	 Use the formulas for the area and circumference of a circle to solve problems 						
	 Use the formulas for the perimeter and area of a triangle and a rectangle and the formula for the volume of a rectangular prism (box) to solve problems 						