

TCAP-ACH Grade 6 Mathematics Framework

Reporting Category 1: Mathematical Processes		%	# of Items
		19-26%	9-13
0606.1.1	Make conjectures and predictions based on data.		
0606.1.2	Judge the reasonableness of the results of rational number estimates and/or computations.		
0606.1.3	Use concrete, pictorial, and symbolic representation for integers.		
0606.1.4	Select the representation that models one of the arithmetic properties (commutative, associative, or distributive).		
0606.1.5	Model algebraic expressions using algebra tiles.		

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Reporting Category 2: Number and Operations		%	# of Items
		32-38%	16-19
0606.2.1	Solve problems involving the multiplication and division of fractions.		
0606.2.2	Solve problems involving the addition, subtraction, multiplication, and division of mixed numbers.		
0606.2.3	Solve problems involving the addition, subtraction, multiplication, and division of decimals.		
0606.2.4	Solve multi-step arithmetic problems using fractions, mixed numbers, and decimals.		
0606.2.5	Transform numbers from one form to another (fractions, decimals, percents, and mixed numbers).		
0606.2.6	Solve problems involving ratios, rates and percents.		
0606.2.7	Locate positive rational numbers on the number line.		
0606.2.8	Locate integers on the number line.		

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Reporting Category 3: Algebra		%	# of Items
		19-23%	9-12
0606.3.3	Write equations that correspond to given situations or represent a given mathematical relationship.		
0606.3.4	Rewrite expressions to represent quantities in different ways.		
0606.3.5	Translate between verbal expressions/sentences and algebraic expressions/equations.		
0606.3.9	Graph ordered pairs of integers in all four quadrants of the Cartesian coordinate system.		

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Reporting Category 4: Geometry and Measurement		%	# of Items
		8%	4
0606.4.4	Calculate with circumferences and areas of circles.		

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Reporting Category 5: Data Analysis, Statistics, and Probability		%	# of Items
		8-13%	4-7
0606.5.2	Identify features of graphs that may be misleading.		
0606.5.3	Determine whether or not a sample is biased.		