

TCAP-ACH Grade 4 Mathematics Framework

<b>Reporting Category 1: Mathematical Processes</b>		<b>%</b>	<b># of Items</b>
		10-13%	4-7
0406.1.1	Verify a conclusion using the commutative, associative and distributive properties.		
0406.1.4	Compare objects with respect to a given geometric or physical attribute and select appropriate measurement instrument.		

TCAP-ACH Grade 4 Mathematics Framework

<b>Reporting Category 2: Number and Operations</b>		<b>%</b>	<b># of Items</b>
		43-53%	21-27
0406.2.1	Read and write numbers from hundredths to hundred-thousands in numerals and in words.		
0406.2.2	Locate and place mixed numbers on the number line.		
0406.2.3	Identify the place value of a specified digit in a number and the quantity it represents.		
0406.2.4	Find factors, common factors, multiples, and common multiples of two numbers.		
0406.2.5	Generate equivalent forms of common fractions and decimals and use them to compare size.		
0406.2.6	Use the symbols $<$ , $>$ and $=$ to compare common fractions and decimals in both increasing and decreasing order.		
0406.2.7	Convert improper fractions into mixed numbers and/or decimals.		
0406.2.8	Add and subtract proper fractions with like and unlike denominators and simplify the answer.		
0406.2.10	Solve contextual problems using whole numbers, fractions, and decimals.		
0406.2.11	Solve problems using whole number multi-digit multiplication.		
0406.2.12	Solve problems using whole number division with one- or two-digit divisors.		

TCAP-ACH Grade 4 Mathematics Framework

<b>Reporting Category 3: Algebra</b>		<b>%</b>	<b># of Items</b>
		10-13%	4-7
0406.3.1	Use letters and symbols to represent an unknown quantity and write a simple mathematical expression.		
0406.3.3	Represent and analyze patterns using words, function tables, and graphs.		

TCAP-ACH Grade 4 Mathematics Framework

<b>Reporting Category 4: Geometry and Measurement</b>		<b>%</b>	<b># of Items</b>
		23-28%	11-14
0406.4.1	Classify lines and line segments as parallel, perpendicular, or intersecting.		
0406.4.4	Identify acute, obtuse, and right angles in 2-dimensional shapes.		
0406.4.7	Determine appropriate size of unit of measurement in problem situations involving length, capacity or weight.		
0406.4.8	Convert measurements within a single system that are common in daily life (e.g., hours and minutes, inches and feet, centimeters and meters, quarts and gallons, liters and milliliters).		
0406.4.9	Solve problems involving area and/or perimeter of rectangular figures.		

TCAP-ACH Grade 4 Mathematics Framework

<b>Reporting Category 5: Data Analysis, Statistics, and Probability</b>		<b>%</b>	<b># of Items</b>
		8%	4
0406.5.2	Solve problems using estimation and comparison within a single set of data.		