

TCAP Achievement, Grade 5, Mathematics
Criterion Referenced Test (CRT) Reporting Categories with State Performance Indicators

Mathematical Processes	
SPI#	State Performance Indicator
0506.1.1	Given a series of geometric statements, draw a conclusion about the figure described.
0506.1.2	Estimate fraction and decimal sums or differences.
0506.1.3	Recognize the unit associated with the remainder in a division problem or the meaning of the fractional part of a whole given in either decimal or fraction form.
0506.1.4	Identify missing information and/or too much information in contextual problems.
Number and Operations	
SPI#	State Performance Indicator
0506.2.1	Read and write numbers from millions to millionths in various contexts.
0506.2.2	Write the prime factorization of numbers through 50 using both exponential and standard notation.
0506.2.3	Select a reasonable solution to a real-world division problem in which the remainder must be considered.
0506.2.4	Solve problems involving the division of two- and three-digit whole numbers by one- and two-digit whole numbers.
0506.2.5	Solve addition and subtraction problems involving both fractions and decimals.
0506.2.6	Add and subtract proper and improper fractions as well as mixed numbers.
0506.2.7	Recognize equivalent representations for the same number.
0506.2.8	Write terminating decimals in the form of fractions or mixed numbers.
0506.2.9	Compare whole numbers, decimals and fractions using the symbols $<$, $>$, and $=$.
Algebra	
SPI#	State Performance Indicator
0506.3.1	Evaluate algebraic expressions involving decimals and fractions using order of operations.
0506.3.2	Evaluate multi-step numerical expressions involving fractions using order of operations.
0506.3.3	Find the unknown in single-step equations involving fractions and mixed numbers.
0506.3.4	Given a set of values, identify those that make an inequality a true statement.
Geometry and Measurement	
SPI#	State Performance Indicator
0506.4.1	Solve contextual problems that require calculating the area of triangles and parallelograms.
0506.4.2	Decompose irregular shapes to find perimeter and area.
0506.4.3	Identify a three-dimensional object from two-dimensional representations of that object and vice versa.
0506.4.4	Solve problems involving surface area and volume of rectangular prisms and polyhedral solids.
0506.4.5	Find the length of vertical or horizontal line segments in the first quadrant of the coordinate system, including problems that require the use of fractions and decimals.
0506.4.6	Record measurements in context to reasonable degree of accuracy using decimals and/or fractions.
Data Analysis, Statistics, and Probability	
SPI#	State Performance Indicator
0506.5.1	Depict data using various representations, including decimal and/or fractional data.
0506.5.2	Make predictions based on various data representations, including double bar and line graphs.
0506.5.3	Calculate measures of central tendency to analyze data.