

Standards Table: 4th Grade Mathematics

SPIs: Focus Content	
Number and Operations	SPI 0406.2.1 Read and write numbers from hundredths to hundred-thousands in numerals and in words.
	SPI 0406.2.2 Locate and place mixed numbers on the number line.
	SPI 0406.2.3 Identify the place value of a specified digit in a number and the quantity it represents.
	SPI 0406.2.5 Generate equivalent forms of common fractions and decimals and use them to compare size.
	SPI 0406.2.6 Use the symbols $<$, $>$ and $=$ to compare common fractions and decimals in both increasing and decreasing order.
	SPI 0406.2.7 Convert improper fractions into mixed numbers and/or decimals.
	SPI 0406.2.8 Add and subtract proper fractions with like and unlike denominators and simplify the answer.
	SPI 0406.2.11 Solve problems using whole number multi-digit multiplication.
	SPI 0406.2.12 Solve problems using whole number division with one- or two-digit divisors.
Algebra	SPI 0406.3.1 Use letters and symbols to represent an unknown quantity and write a simple mathematical expression.
SPIs: Other Content	
Mathematical Processes	SPI 0406.1.1 Verify a conclusion using the commutative, associative and distributive properties.
	SPI 0406.1.4 Compare objects with respect to a given geometric or physical attribute and select appropriate measurement instrument.
Number and Operations	SPI 0406.2.4 Find factors, common factors, multiples, and common multiples of two numbers.
	SPI 0406.2.10 Solve contextual problems using whole numbers, fractions, and decimals.
Algebra	SPI 0406.3.3 Represent and analyze patterns using words, function tables, and graphs.
Geometry and Measurement	SPI 0406.4.1 Classify lines and line segments as parallel, perpendicular, or intersecting.
	SPI 0406.4.4 Identify acute, obtuse, and right angles in 2-dimensional shapes.
	SPI 0406.4.7 Determine appropriate size of unit of measurement in problem situations involving length, capacity or weight.
	SPI 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).

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	SPI 0406.4.9 Solve problems involving area and/or perimeter of rectangular figures.
Data Analysis, Statistics and Probability	SPI 0406.5.2 Solve problems using estimation and comparison within a single set of data.
Dropped SPIs: These SPIs will not appear on the 2013-14 TCAP Achievement Exams	
Mathematical Processes	SPI 0406.1.2 Compare decimals using concrete and pictorial representations.
	SPI 0406.1.3 Determine the correct change from a transaction.
Number and Operations	SPI 0406.2.9 Add and subtract decimals through hundredths.
Algebra	SPI 0406.3.2 Make generalizations about geometric and numeric patterns.
Geometry and Measurement	SPI 0406.4.2 Graph and interpret points with whole number or letter coordinates on grids or in the first quadrant of the coordinate plane.
	SPI 0406.4.3 Construct geometric figures with vertices at points on a coordinate grid.
	SPI 0406.4.5 Identify attributes of simple and compound figures composed of 2- and 3- dimensional shapes.
	SPI 0406.4.6 Determine situations in which a highly accurate measurement is important.
	SPI 0406.4.10 Identify images resulting from reflections, translations, or rotations.
Data Analysis, Statistics and Probability	SPI 0406.5.1 Depict data using various representations (e.g., tables, pictographs, line graphs, bar graphs).
	SPI 0406.5.3 Given a set of data or a graph, describe the distribution of the data using median, range, or mode.
	SPI 0406.5.4 List all possible outcomes of a given situation or event.