

Standards Table: 3rd Grade Mathematics

SPIs: Focus Content	
Mathematical Processes	SPI 0306.1.4 Match the spoken, written, concrete, and pictorial representations of fractions with denominators up to ten.
	SPI 0306.1.5 Represent problems mathematically using diagrams, numbers, and symbolic expressions.
Number and Operations	SPI 0306.2.5 Identify various representations of multiplication and division.
	SPI 0306.2.10 Identify equivalent fractions given by various representations.
	SPI 0306.2.11 Recognize and use different interpretations of fractions.
	SPI 0306.2.12 Name fractions in various contexts that are less than, equal to, or greater than one.
	SPI 0306.2.13 Recognize, compare, and order fractions (benchmark fractions, common numerators, or common denominators).
Algebra	SPI 0306.3.1 Verify a conclusion using algebraic properties.
	SPI 0306.3.3 Find the missing values in simple multiplication and division equations.
SPIs: Other Content	
Mathematical Processes	SPI 0306.1.2 Solve problems involving elapsed time.
	SPI 0306.1.7 Select appropriate units and tools to solve problems involving measures.
Number and Operations	SPI 0306.2.2 Identify the place value of numbers in the ten-thousands, thousands, hundreds, tens, and ones positions.
	SPI 0306.2.6 Recall basic multiplication facts through 10 times 10 and the related division facts.
	SPI 0306.2.7 Compute multiplication problems that involve multiples of ten using basic number facts.
	SPI 0306.2.8 Solve problems that involve the inverse relationship between multiplication and division.
	SPI 0306.2.9 Solve contextual problems involving the addition (with and without regrouping) and subtraction (with and without regrouping) of two- and three digit whole numbers.
Algebra	SPI 0306.3.2 Express mathematical relationships using number sentences/equations.
Geometry and Measurement	SPI 0306.4.1 Recognize polygons and be able to identify examples based on geometric definitions.
	SPI 0306.4.4 Calculate the perimeter of shapes made from polygons.
	SPI 0306.4.5 Choose reasonable units of measure, estimate common measurements using benchmarks, and use

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	appropriate tools to make measurements.
	SPI 0306.4.6 Measure length to the nearest centimeter or half inch.
Data Analysis, Statistics and Probability	SPI 0306.5.1 Interpret a frequency table, bar graph, pictograph, or line plot.
	SPI 0306.5.2 Solve problems in which data is represented in tables or graph.
Dropped SPIs: These SPIs will not appear on the 2013-14 TCAP Achievement Exams	
Mathematical Processes	SPI 0306.1.1 Solve problems using a calendar.
	SPI 0306.1.3 Determine the correct change from a transaction less than a dollar.
	SPI 0306.1.6 Identify and use vocabulary to describe attributes of two- and three-dimensional shapes.
	SPI 0306.1.8 Express answers clearly in verbal, numerical or graphical (bar and picture) form, using units when appropriate.
Number and Operations	SPI 0306.2.1 Read and write numbers up to 10,000 in numerals and up to 1,000 in words.
	SPI 0306.2.3 Convert between expanded and standard form with whole numbers to 10,000.
	SPI 0306.2.4 Compare and order numbers up to 10,000 using the words less than, greater than, and equal to, and the symbols $<$, $>$, $=$.
	SPI 0306.2.14 Add and subtract fractions with like denominators.
Algebra	SPI 0306.3.4 Describe or extend (including finding missing terms) geometric and numeric patterns.
Geometry and Measurement	SPI 0306.4.2 Determine if two figures are congruent based on size and shape.
	SPI 0306.4.3 Identify the line of symmetry in a two-dimensional design or shape.
	SPI 0306.4.7 Solve problems requiring the addition and subtraction of lengths.
Data Analysis, Statistics and Probability	SPI 0306.5.3 Make predictions based on various representations of data.

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