

Hickman County Curriculum Map

Fourth Grade

Mathematics

Third Six Weeks

Grade Level Expectations	Checks for Understanding	Student Performance Indicator(s)
<p>GLE 0406.1.3 Develop independent reasoning to communicate mathematical ideas and derive algorithms and/or formulas.</p> <p>GLE 0406.2.2 Develop fluency with multiplication and single-digit division</p> <p>GLE 0406.2.4 Understand and use the connections between fractions and decimals.</p> <p>GLE 0406.2.6 Solve problems involving whole numbers, fractions, and/or decimals using all four arithmetic operations.</p> <p>GLE 0406.3.1 Extend understanding of a variable to equations involving whole numbers, fractions, decimals, and/or mixed numbers</p> <p>GLE 0406.3.2 Use mathematical language and modeling to develop descriptions, rules and extensions of</p>	<p>0406.1.4 Use commutative, associative, and distributive properties of numbers including oral descriptions of mathematical reasoning.</p> <p>0406.1.7 Translate the details of a contextual problem into diagrams and/or numerical expressions, and express answers using appropriate units.</p> <p>0406.1.9 Develop a story problem that illustrates a given multiplication or division number sentence</p> <p>0406.2.3 Multiply two- and three-digit whole numbers.</p> <p>0406.2.4 Understand and use a reliable algorithm for multiplying multi-digit numbers and dividing numbers by a single-digit divisor accurately and efficiently</p> <p>0406.2.5 Understand that division by zero is undefined</p> <p>0406.2.10 Use models to understand division as the inverse of multiplication, partitioning, and repeated subtraction.</p> <p>0406.2.12 Understand and use decimal numbers up to</p>	<p>SPI 0406.1.1 Verify a conclusion using the commutative, associative and distributive properties</p> <p>SPI 0406.2.5 Generate equivalent forms of common fractions and decimals and use them to compare size.</p> <p>SPI 0406.2.6 Use the symbols $<$, $>$ and $=$ to compare common fractions and decimals in both increasing and decreasing order.</p> <p>SPI 0406.2.9 Add and subtract decimals through hundredths.</p> <p>SPI 0406.2.11 Solve problems using whole number multi-digit multiplication</p> <p>SPI 0406.2.12 Solve problems using whole number division with one- or two-digit divisors.</p>

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<p>patterns.</p> <p>GLE 0406.3.3 Translate between different forms of representations of whole number relationships.</p> <p>http://www.multiplication.com/</p> <p>http://www.playkidsgames.com/mathGames.htm</p> <p>http://www.ezschool.com/Games/Compare.html</p>	<p>hundredths and write them as fractions.</p> <p>0406.3.1 Find an unknown quantity in simple equations using whole numbers, fractions, decimals, and mixed numbers.</p> <p>0406.3.2 Translate between symbols and words to represent quantities in expressions or equations</p> <p>0406.3.3 Create, explain and use a rule to generate terms of a pattern or sequence.</p> <p>0406.3.4 Translate between symbolic, numerical, verbal, or pictorial representations of a whole number pattern or relationship.</p>	<p>SPI 0406.3.1 Use letters and symbols to represent an unknown quantity and write a simple mathematical expression.</p> <p>SPI 0406.3.2 Make generalizations about geometric and numeric patterns.</p> <p>SPI 0406.3.3 Represent and analyze patterns using words, function tables, and graphs</p> <p>SPI 0406.5.1 Depict data using various representations (e.g., tables, pictographs, line graphs, bar graphs).</p> <p>SPI 0406.5.2 Solve problems using estimation and comparison within a single set of data.</p>
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