



Hattiesburg Public School District

Grade 4 Mathematics Units

2015 – 2016



Unit 5: Division	Time Frame: 5 Weeks November 9-Dec. 17
Content Standards	Standards for Mathematical Practice
Major Standards <p>4.NBT.6 Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.</p> <p>4.OA.2 Multiply or Divide to solve word problems involving multiplicative comparison, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem, distinguishing multiplicative comparison from additive comparison.</p>	<ol style="list-style-type: none">(1) Make sense of problems and persevere in solving them.(2) Reason abstractly and quantitatively.(3) Construct viable arguments and critique the reasoning of others.(4) Model with mathematics.(5) Use appropriate tools strategically.(6) Attend to precision.(7) Look for and make use of structure.(8) Look for and express regularity in repeated reasoning.
Supporting Standards	
Additional Standards	
<p>4.NBT.1. Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right.</p> <p>4.OA.4 Find all factor pairs for a whole number in the range 1–100. Recognize that a whole number is a multiple of each of its factors. Determine whether a given whole number in the range 1–100 is a multiple of a given one-digit number. Determine whether a given whole number in the range 1–100 is prime or composite.</p> <p>4.OA.3 Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental</p>	



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computation and estimation strategies including rounding. 4.NBT.3 Use place value understanding to round multi-digit whole numbers to any place. 4.MD.2 Use the four operations to solve word problems involving distances, intervals of time, liquid volumes .				
Pre-requisite Standards				
4.NBT.4 Fluently add and subtract multi-digit whole numbers using the standard algorithm.				
Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
Partial Quotients NBT.4 Division Strategy- Partial Quotients	Quotients NBT.4 Who has the largest quotient?	Dividend Partitioning NBT.4 Partition the Dividend	Remainders NBT.4 Remainders Game	Estimate the Quotient NBT.4 Partner Game: Estimate the Quotient
Lesson 6	Performance Task			
Division Word Problems OA.2 Comparison Word Problems	Write, Solve, Check			