Hattiesburg Public School District
Grade 4 Mathematics Units
2015 – 2016

Unit 9: Multiplying Fractions	Time Frame: 3 weeks (March 21- April 8, 2015)
Content Standards	**Standards for Mathematical Practice**
Major Standards	(1) Make sense of problems and persevere in solving them.
4.NF.B.4.A Understand a fraction *a/b* as a multiple of 1/*b*.	(2) Reason abstractly and quantitatively.
	(3) Construct viable arguments and critique the reasoning of others.
4.NF.B.4.B Understand a multiple of a/b as a multiple of 1/b, and use this understanding to multiply a fraction by a whole number.	(4) Model with mathematics.
	(5) Use appropriate tools strategically.
	(6) Attend to precision.
4.NF.B.4.C Solve word problems involving multiplication of a fraction by a whole number, e.g., by using visual fraction models and equations to represent the problem.	(7) Look for and make use of structure.
	(8) Look for and express regularity in repeated reasoning.
Supporting Standards	
Additional Standards	
4.NBT.B.4 Fluently add and subtract multi-digit whole numbers using the standard algorithm.	
4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.	
Pre-requisite Standards	
4.MD.4 Represent and interpret data.	

Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
Model Fractions and	Multiply Fractions by	Math Read Aloud	Hands on Fractions	Whole Number x Fraction

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Multiplication 4.NF.4a-4c	Whole Numbers 4.NF.4a-4c	4.NF.4	4.NF.4	Word Problems 4.NF.4c
Models for Fraction Multiplication	Multiply a Whole Number by a Fraction	Full House	A Bowl of Beans	Whole Number/Fraction Word Problems
Performance Task				
Sugar in Soda				