Hattiesburg Public School District
Grade 5 Mathematics Units
2015 – 2016

Unit 1: Fluency with Operations of Whole Numbers	Time Frame: 4 Weeks (Aug 10 - Sept 4)
Content Standards	**Standards for Mathematical Practice**
Major Standards	(1) Make sense of problems and persevere in solving them.
5.NBT.1 Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right ~~and 1/10 of what it represents in the place to its left.~~	(2) Reason abstractly and quantitatively.
	(3) Construct viable arguments and critique the reasoning of others.
5.NBT.5 Fluently multiply multi- digit whole numbers using the standard algorithm.	(4) Model with mathematics.
	(5) Use appropriate tools strategically.
5.NBT.6 Find whole-number quotients of whole numbers with up to four- digit dividends and two- 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.	(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	
5.OA.1 Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.	

5.OA.2 Write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them. *For example, express the calculation "add 8 and 7, then multiply by 2" as 2 × (8 + 7). Recognize that 3 × (18932 + 921) is three times as large as 18932 + 921, without having to calculate the indicated sum or product.*	
Pre-requisite Standards	
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. **4.NBT.5** **4.NBT.6**	

Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
Lesson Topic: Place Value Standard Ref: 5.NBT.1 Resource/Strategy: ● Learn Zillion- video	Lesson Topic: Multi-Digit Multiplication Standard Ref: 5.NBT.5 Resource/Strategy Video	Lesson Topic: Dividing Whole Numbers Standard Ref: 5.NBT.6 Resource/Strategy video Learn	Lesson Topic: Order of Operations Standard Ref: 5.OA.1	Lesson Topic: Simplifying & Evaluating Expressions Standard Ref: 5.OA.2f

https://youtu.be/Cn9ebzYE1Kk?list= *	https://youtu.be/QlVILKuZ-Xk	Zillionhttps://youtu.be/7HiBZ9jwDTM?list=PLnIkFmW0ticORrUjOQqDwRncVJRuMgxEq	Resource/Strategy https://youtu.be/5fffqL6XNaE	Resource/Strategy https://youtu.be/QRdv3KYQubY
Performance Task				