



Hattiesburg Public School District

Grade 6 Mathematics Units

2015 – 2016



Unit 4: Equations	Time Frame: 5 Weeks (Nov 9 - Dec 18, 2015)
Content Standards	Standards for Mathematical Practice
Major Standards	<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.
<p>6.EE.5 Understand solving an equation or inequality as a process of answering a question: which values from a specified set, if any, make the equation or inequality true? Use substitution to determine whether a given number in a specified set makes an equation or inequality true.</p> <p>6.EE.7 Solve real-world and mathematical problems by writing and solving equations of the form $x + p = q$ and $px = q$ for cases in which p, q, and x are all nonnegative rational numbers.</p> <p>6.EE.9 Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity, thought of as the dependent in terms of the other quantity, thought of as the independent variable. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation.</p>	
Supporting Standards	
Additional Standards	
Pre-requisite Standards	



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Lesson 1	Lesson 2	Lesson 3	Lesson 4	Performance Task
<p>Lesson Topic: True and False Equations Standard Ref: 6.EE.5 Resource: Engage NY: Module 4, Topic G, Lesson 24 www.https://learnzillion.com/lessons/2514 Strategy:</p>	<p>Lesson Topic: Substitution of variables/Introduction of Properties of Equality Standard Ref: 6.EE.5 Resource: EngageNy, Module 4, Topic G, Lesson 25 Strategy:</p>	<p>Lesson Topic: Properties of Equality Standard Ref: 6.EE.7 Resource: Engage NY: Module 4, Topic G, Lessons 26 and 27 www.https://learnzillion.com/lessonsets/269 Strategy:</p>	<p>Lesson Topic: Dependent/Independent Variables Standard Ref: 6.EE.9 Resource: Engage NY: Model 4, Topic H, Lessons 31 and 32 www.learnzillion.com/lessonsets/675 Strategy:</p>	<p>What's the Plan? https://grade6commoncoremath.wikispaces.hcpss.org/Unit+3+Expressions+and+Equations</p>