

# Whiten/Fahnestock/White/Parker / Math 6 / Dec 4-8 --- Week 2-8

<b>Standard(s)</b>	<p>MGSE6.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>MGSE6.EE.6 Use variables to represent numbers and write expressions when solving a real-world or mathematical problem; understand that a variable can represent an unknown number, or, depending on the purpose at hand, any number in a specified set.</p> <p>MGSE.6.EE.7 Solve real-world and mathematical problems by writing and solving equations of the form <math>x+p = q</math> and <math>px = q</math> for cases in which <math>p</math>, <math>q</math> and <math>x</math> are all nonnegative rational numbers.</p> <p><b>**MGSE6.EE.9 Use variables to represent two quantities in a real-world problem that change in relationship to one another.</b>  <i>a. Write an equation to express one quantity, the dependent variable, in terms of the other quantity, the independent variable.</i>  <i>b. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation. For example, in a problem involving motion at constant speed, list and graph ordered pairs of distances and times, and write the equation to represent the relationship between distance and time.</i></p> <p><i>This is addressed in the do now 76-77 only this week</i></p>				
<b>Essential questions Or "I Can..." statements</b>	<p><b>Monday</b></p> <p>How is an equation like a balance? How can the idea of balance help me solve an equation?</p> <p>How can I tell the difference between an expression and an equation?</p>	<p><b>Tuesday</b></p> <p>I can write, interpret, manipulate, and solve equations.</p>	<p><b>Wednesday</b></p> <p>I can write, interpret, manipulate, and solve equations.</p>	<p><b>Thursday</b></p> <p>I can write, interpret, manipulate, and solve equations.</p>	<p><b>Friday</b></p> <p>I can solve equations with decimals.</p>
<b>Warm-up</b>	#70	#71	#72	#73 (76 if time permits)	#74 (77 if time permits)
<b>Opening</b>	Pass back unit 7 tests. Corrections. (20 minutes?)	Review homework	Review homework	Fill in BINGO card	Review homework
<b>Work Session</b>	-intro to equations and their solutions Can use problems from wb pages 189-193 or 7 <sup>th</sup> grade blue textbook pages 46-49	-solving equations by adding and subtracting Can use problems from wb pages 198 & 194 or from 7 <sup>th</sup> grade blue text book pages 52-55	-solving equations by multiplying and dividing Can use problems from wb pages 210 & 216 or 7 <sup>th</sup> grade blue text page 56-59	-One-step equations BINGO game -review handout with all 4 operations on it	-quiz -one-step equations with decimals Can use wb pages 220-221
<b>Homework</b>	Weekly sheet- week 17				NONE
<b>Closing</b>				QUIZ tomorrow!	
<b>Assessment for understanding</b>	Formative-calling on students	Formative-	Formative-	Formative-looking to see if students are keeping up with bingo game	Formative-grade quiz for accuracy

Unit 4 plan: <https://www.georgiastandards.org/Georgia-Standards/Frameworks/6th-Math-Unit-4.pdf>

Page 19 and 20 have a task that helps with writing equations. If we don't get any writing equations done as we are teaching equations, maybe we could do that the 3 days after the test.