

# MATH AGENDA May 6 - 10th

**Content Standard: 7.EE.A.1** Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.

**7.EE.A.2** Understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in it are related.

**7.EE.B.4a** Solve word problems leading to equations of the form  $px+q=r$  and  $p(x+q)=r$ , where  $p$ ,  $q$ , and  $r$  are specific rational numbers. Solve equations of these forms fluently. Compare an algebraic solution to an arithmetic solution, identifying the sequence of the operations used in each approach.

**7.EE.B.4b** Solve word problems leading to inequalities of the form  $px+q>r$  or  $px+q<r$ , where  $p$ ,  $q$ , and  $r$  are specific rational numbers. Graph the solution set of the inequality

| DATE                 | FOCUS QUESTION   | IN CLASS WORK (Performance Task)  | SUCCESS CRITERIA  |
|----------------------|--|---|---|
| Monday<br>May 6th    | <b>FOCUS QUESTION</b><br>I can solve for $x$ in equations like $x + 4 = -7$<br>I can solve for $x$ in equations like $5c = -20$<br>I can solve for $x$ in equations like $3x - 6 = 9$<br>I can solve algebraic word problems | I will use "Review Equations" worksheet to teach students how to one step equations with negative variables.<br><ul style="list-style-type: none"> <li>Students will learn how to solve one step equations.</li> <li>Students will learn what to do when the variable is negative.</li> </ul> | <b>HW: MATH</b><br><br>Students will be able to the equation: $x - 3 = -5$ to get the answer: $x = -2$  |
| Tuesday<br>May 7th   | <b>FOCUS QUESTION</b><br>I can solve for $x$ in equations like $x + 4 = -7$<br>I can solve for $x$ in equations like $5c = -20$<br>I can solve for $x$ in equations like $3x - 6 = 9$<br>I can solve algebraic word problems | <ul style="list-style-type: none"> <li>Students will take a Quiz on Investigation 2 in the Moving Straight Ahead book.</li> </ul>   | <b>HW: None</b><br><br>Students will be able to explain that a letter next to a number means to divide, and they will be able to successful solve this problem:<br>$4a = -20$ |
| Wednesday<br>May 8th | <b>FOCUS QUESTION</b><br>When solving equations, how can you tell when to $+$ , $-$ , $\times$ or $\div$ ?<br><br><b>Guest Teacher</b> (I will be in Washington D.C.)  | <ul style="list-style-type: none"> <li>Students will practice solving equations</li> </ul>  | <b>HW: Multi-Step Equation Partner Problems</b><br><br>Students will be able to solve this problem:<br>Four less than a number is negative seven.<br>What is the number?      |
| Thursday<br>May 9th  | <b>FOCUS QUESTION</b><br>When solving equations, which operation do you do first?<br><br><b>Guest Teacher</b> (I will be in Washington D.C.)   | <ul style="list-style-type: none"> <li>Students will practice solving equations</li> </ul>  | <b>HW: One-Step Equation Puzzle</b><br><br>Students will be able to name the operations in order to solve this equation correctly:<br>$5x - 2 = -17$                          |
| Friday<br>May 10th   | <b>FOCUS QUESTION</b><br>How well did I learn how to solve equations?<br><br><b>Guest Teacher</b> (I will be in Washington D.C.)   | <ul style="list-style-type: none"> <li>Students will play a "BINGO" game to review solving the different types of equations they learned this week.</li> </ul>  | <b>HW: Match and Paste</b><br><br>Students will be able to solve the equations and find their answers on the BINGO game board.  |