

Tye 2016-2017

Pathfinder Algebra 4th hour

Quarter 1 Week 4: 9-26 to 9-30

Date:	Classwork:	Homework:
<p><b>Monday</b></p> <p><b>9-26</b></p>	<p><b>Focus:</b> To be able to solve for the missing value in one and two-step equations.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> The Race - a formative assessment in preparation for week. Do your best!</li> <li><input type="checkbox"/> <b>Solving Linear Equations in One Variable</b> <ul style="list-style-type: none"> <li>- When are equations true? (individual/class activity)</li> <li>- True or False? (individual w/ whiteboard)</li> <li>- Always, Sometimes, or Never (partner activity)</li> </ul> </li> </ul>	<p><b>Homework due next class.</b></p> <p><b>Required assignment:</b> None</p>
<p><b>Tuesday</b></p> <p><b>9-27</b></p>	<p><b>Focus:</b> To be able to solve for the missing value in one and two-step equations.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Solving Linear Equations in One Variable</b> <ul style="list-style-type: none"> <li>- Complete - Always, Sometimes, or Never (partner activity)</li> </ul> </li> </ul> <p><b>Reflection Questions:</b> Exit Ticket - Mini version of Always, Sometimes, or Never</p>	<p><b>Homework due next class.</b></p> <p><b>Required assignment:</b> Worksheet: When are the Equations True? (revisited)</p> <p><b>Extension:</b>(see note below) None</p>
<p><b>Wednesday</b></p> <p><b>9-28</b></p>	<p><b>Focus:</b> To be able to solve for the missing value in one and two-step equations.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Check and make corrections to your homework.</li> <li><input type="checkbox"/> Share website: <a href="http://a4a.learnport.org/page/algebra-tiles">http://a4a.learnport.org/page/algebra-tiles</a></li> <li><input type="checkbox"/> <b>Solving Equations Practice:</b> <ul style="list-style-type: none"> <li>- Versa-Tiles Packet (<b>required</b>) - Complete each page and then check in with your teacher before moving on to the next.</li> <li>- Two-step equation maze (<b>required</b>)</li> </ul> </li> </ul>	<p><b>Homework due next class.</b></p> <p><b>Required assignment:</b> None</p>
<p><b>Thursday</b></p> <p><b>9-29</b></p>	<p><b>Focus:</b> To be able to solve for the missing value in one and two-step equations.</p>	

<p><b>Thursday 9-29</b></p>	<p><input type="checkbox"/> <b>Solving Equations Practice:</b></p> <ul style="list-style-type: none"> <li>- Versa-Tiles Packet (<b>required</b>) - Complete each page and then check in with your teacher before moving on to the next.</li> <li>- Two-step equation maze (<b>required</b>)</li> <li>- Solving Multi-Step Equations Stations Maze</li> </ul> <p><b>Reflection Question:</b> Exit Ticket - Solving Equations</p>	<p><b>Homework due next class.</b></p> <p><b>Required assignment:</b> Complete any of the required class assignments that you did not finish in class.</p> <p><b>Extension:</b>(see note below)</p>
<p><b>Friday 9-30</b></p>	<p><b>Focus:</b> To be able to solve for the missing value in one and two-step equations.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Check and make corrections to Two-step maze</li> <li><input type="checkbox"/> Get help from Ms. Tye on work from the week</li> <li><input type="checkbox"/> Online Activities:</li> </ul> <p>Easy: <a href="http://www.math-play.com/equation-games.html">http://www.math-play.com/equation-games.html</a> <a href="http://www.mathplayground.com/AlgebraEquations.html">http://www.mathplayground.com/AlgebraEquations.html</a></p> <p>Harder: <a href="http://www.mathgames.com/skill/8.40-solve-multi-step-equations">http://www.mathgames.com/skill/8.40-solve-multi-step-equations</a> <a href="http://www.coolmath.com/algebra/06-solving-equations">http://www.coolmath.com/algebra/06-solving-equations</a></p>	<p>Complete any work not finished in class.</p>

**Extension questions are not required** homework but may be completed by anyone to extend your learning.

**Math Standards:**

**8.EE.7** Solve linear equations in one variable. a. Give examples of linear equations in one variable with one solution, infinitely many solutions, or no solutions. Show which of these possibilities is the case by successively transforming the given equation into simpler forms, until an equivalent equation of the form  $x = a$ ,  $a = a$ , or  $a = b$  results (where  $a$  and  $b$  are different numbers). b. Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms.

**Math Practices:**

Reason abstractly and quantitatively.  
Look for and make use of structure.  
Model with mathematics.

Helpful websites for solving equations:

- <http://a4a.learnport.org/page/algebra-tiles>
- <https://www.youtube.com/watch?v=sa6Vmf6ZbMU>
- <https://www.youtube.com/watch?v=713mruKLvJE>