

Tye 2016-2017

Pathfinder Algebra

Quarter 1 Week 3: 9-19 to 9-23

Date:	Classwork:	Homework:
<p><b>Monday/Tuesday Odd/Even</b></p> <p><b>9-19/9-20</b></p> <p><b>Block Classes</b></p>	<p><b>Focus Question:</b> How would you describe the relationships between bridge strength and bridge thickness revealed by your experiment?</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Review <b>independent</b> and <b>dependent variables</b> and which axes to plot them on. Review the idea of <b>linear relationships</b>.</li> <li><input type="checkbox"/> Discussion of creating a graph.</li> <li><input type="checkbox"/> TWMM - Problem 1.1, pages 8-9 A-E.</li> </ul> <p><b>Reflection Questions:</b> How would you describe the relationships between bridge strength and bridge thickness revealed by your experiment? How is this relationship shown in your graph?</p>	<p><b>Homework due next class.</b></p> <p><b>Required assignment:</b> Page 16 #2 Page 19 #7-8 Pages 20-22 #10-15</p> <p><b>Extension:(see note below)</b> Page 26 #35</p>
<p><b>Wednesday/Thursday Odd/Even</b></p> <p><b>9-21/9-22</b></p> <p><b>Block Classes</b></p>	<p><b>Focus Question:</b> How would you describe the pattern relating bridge strength to bridge length shown in your experimental data?</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Check and make corrections to your homework.</li> <li><input type="checkbox"/> TWMM - Problem 1.2, pages 10-11 A-D.</li> </ul> <p><b>Reflection Questions:</b> How can you tell from looking at your data table that the graph will be curved (or will not be linear)? What would it mean if the line crossed the x-axis? Would this make sense in this situation?</p>	<p><b>Homework due next class.</b></p> <p><b>Required assignment:</b> Page 15 #1 Page 20 #9 Pages 22-23 #16-26</p> <p><b>Extension:(see note below)</b> Page 25 #33</p>
<p><b>Friday 9-23</b></p> <p><b>See All Classes</b></p>	<p><b>Focus:</b> Describe the relationship between two quantities by analyzing a graph.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Check and make corrections to your homework.</li> <li><input type="checkbox"/> Page 26 #35</li> </ul>	<p>Complete any work not finished in class.</p>

TURN OVER

**Teacher website: [mrsjohnsonandmstye.weebly.com](http://mrsjohnsonandmstye.weebly.com)**

**Online Textbook Link:**

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

**Math Standards:**

**8.F.B.5** Describe qualitatively the functional relationship between two quantities by analyzing a graph. (Where does the graph increase or decrease, is it linear or nonlinear) Sketch a graph that exhibits the qualitative features of a function that has been described verbally.

**8.SP.A.1** Describe patterns such as clustering, outliers, positive or negative association, linear association, and nonlinear association.

**8.F.A.2** Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions).

**Math Practices:**

Reason abstractly and quantitatively.

Look for and make use of structure.