

Tye 2016-2017

Pathfinder Algebra (4th Hour)

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

Date:	Classwork:	Homework:
<p>Monday 9-19</p>	<p>Focus Question: How would you describe the relationships between bridge strength and bridge thickness revealed by your experiment?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review independent and dependent variables and which axes to plot them on. Review the idea of linear relationships. <input type="checkbox"/> Discussion of creating a graph. <input type="checkbox"/> TWMM - Problem 1.1, pages 8-9 A-E. 	
<p>Tuesday 9-20</p>	<p>Focus Question: How would you describe the relationships between bridge strength and bridge thickness revealed by your experiment?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Complete TWMM - Problem 1.1, pages 8-9 A-E. <p>Reflection Questions: 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>Homework due Wednesday</p> <p>Required: Page 16 #2 Page 19 #7-8 Pages 20-22 #10-15</p> <p>Extension:(see below) Page 26 #35</p>
<p>Wednesday 9-21</p> <p>Block Classes</p>	<p>Focus Question: How would you describe the pattern relating bridge strength to bridge length shown in your experimental data?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Check and make corrections to your homework. <input type="checkbox"/> TWMM - Problem 1.2, pages 10-11 A-D. 	
<p>Thursday 9-22</p>	<p>Focus Question: How would you describe the pattern relating bridge strength to bridge length shown in your experimental data?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Complete TWMM - Problem 1.2, pages 	<p>Homework due Friday.</p> <p>Required: Page 15 #1 Page 20 #9 Pages 22-23 #16-26</p>

Thursday continued 9-22	10-11 A-D. Reflection Questions: How can you tell from looking at your data table that the graph will be curved (or will not be straight)? What would it mean if the line crossed the x-axis? Would this make sense in this situation?	Extension: (see below) Page 25 #33
Friday 9-23	Focus: Describe the relationship between two quantities by analyzing a graph. <input type="checkbox"/> Check and make corrections to your homework. <input type="checkbox"/> Page 26 #35	Complete any work not finished in class.

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.