

Pathfinder Algebra 8th	Regal Coller	Week of 10-3-16
Day	In Class	Assignments
<p>Monday/ Tuesday 10/3-10/4</p>	<p>Focus Question: How would you describe the relationship between bridge strength and bridge length?</p> <p><u>Assessment FOR Learning:</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Pencil Problems--Check answers and make corrections for all mistakes with work shown correctly. <input type="checkbox"/> Check answers and make corrections for all mistakes for ACE from 1.1. <input type="checkbox"/> Feedback & corrections to your 9-19-16 reflection about Problem 1.1 <p><u>TWMM Problem 1.2 (p. 10-11 A-D)</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Launch: More about bridges & noise in data (#35) <input type="checkbox"/> Explore: Problem 1.2--Work with your seat partner. <input type="checkbox"/> Summarize as a class <input type="checkbox"/> Vocabulary (back of agenda) <p><u>Reflection Questions:</u></p> <ol style="list-style-type: none"> 1. Compare and contrast graphs from 1.1 and 1.2. How are they alike? How are they different? Be specific. 2. How can you tell from your data table whether the graph of the data will be linear or not? 3. What would it mean in this situation if the your data points were on or below the x-axis? 4. Would that make sense? Why or why not? 	<ul style="list-style-type: none"> <input type="checkbox"/> Complete any work not completed in class. (Due W/Th) <input type="checkbox"/> Required ACE assignment (Due W/Th): <ul style="list-style-type: none"> p. 15 #1 p. 20 #9 p. 22-23 #14-26 <p>Extension--optional p. 25 #33</p> <p>Summative Assessment TEST is W/Th October 12/13. Test will include solving equations and TWMM Problems 1.1, 1.2 and 1.3 including correct construction of graphs, vocabulary, focus questions and reflection questions.</p>
<p>Wednesday/ Thursday 10/5-10/6</p>	<p>Focus Question: How can you predict if a pattern between variables will be linear or nonlinear?</p> <p><u>Assessment FOR Learning:</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Check and make corrections to your homework <p><u>TWMM Problem 1.3 (p.12-14 A-D)</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Launch video <input type="checkbox"/> Explore: Problem 1.3--Work with your assigned partner. <input type="checkbox"/> Summarize as a class <p><u>Reflection Questions</u></p> <ol style="list-style-type: none"> 1. Compare and contrast graphs from 1.1 and 1.2. Be specific. 2. What are the major similarities differences between Problem 1.3 and Problems 1.1 and 1.2 data? 3. How do you explain WHY the differences occurred? (Hint: Data discussion from Monday/Tuesday.) 	<ul style="list-style-type: none"> <input type="checkbox"/> Complete any work not completed in class. (Due Fri) <input type="checkbox"/> ACE 1 #3-6, 27-28. This assignment starts on page 16. (Due M/Tu) <p>Extension--optional #36</p>

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Friday 10/7	Focus Question: How well can you solve equations and show work independently? <u>Assessment FOR Learning:</u> <ul style="list-style-type: none"><input type="checkbox"/> Complete the MathXLforSchool assignment. Show work on the worksheet provided.<input type="checkbox"/> Equations Summary Notes<input type="checkbox"/> Two-Step Equations Maze (show all work)	<ul style="list-style-type: none"><input type="checkbox"/> Complete any work not completed in class. (Due M/Tu)<input type="checkbox"/> Have a great weekend!
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[Coordinate Grapher](#) (use first quadrant instead of full plane)

[Data and Graphs](#) (label the column headers correctly)

Virtual Algebra Tiles http://media.mivu.org/mvu_pd/a4a/homework/applets_expressions.html

To access your digital textbook:

www.mymathuniverse.com/cmp3

Login to Student Place (returning user)

Username is your regular school username.

Password is upper case D followed by your lunch account number (no spaces).

To access MathXLforSchool:

Go to <http://MathXLforSchool.com>

Sign in as a student.

Username is **lasfir2021**

Password is upper case XL followed by your lunch account number (no spaces).

All graphs should have:

- independent and dependent variables graphed on correct axes
- axis labels (with units)
- origin
- consistent intervals
- descriptive title
- correctly placed data points

Scatterplots should NOT show data points connected.

Do NOT break your intervals on your axes.

Vocabulary (Term + Information/Definition + Example)

Monday/Tuesday Problem 1.2--

- Noise and signals in data (defined and discussed in class)
- Non-linear relationship

Wednesday/Thursday--no new vocabulary

Math Content Standards:

8.EE.7b Solve multi-step equations involving a single variable.

8.SP.A.1 Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities. Describe patterns such as clustering, outliers, positive or negative association, linear association, and nonlinear association.

8.F.B.5 Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). Sketch a graph that exhibits the qualitative features of a function that has been described verbally.

Math Practice Standards:

2. Reason abstractly and quantitatively.

4. Model with mathematics.

6. Attend to precision.

7. Look for a make use of structure.