

Pathfinder Algebra 8th

Regal Coller

Week of 1-9-17 (Q2, W7)

Date:	Classwork:	Homework:
<p>Monday/ Tuesday 1-9/1-10</p> <p>Block Class</p>	<p>Focus Question: (Learning Target) If you have data relating two variables, how can you check to see whether a linear model is a good fit?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Check & correct Additional Practice Inv. 3 &4, Secret Message and Safecracker <p>TWMM Investigation 4 Formative Assessment Tasks</p> <ul style="list-style-type: none"> <input type="checkbox"/> Data About Us:: How to use a line plot to put data values in order and to build frequency tables <input type="checkbox"/> Review scatter plot and residuals <input type="checkbox"/> Launch Video for 4.1 <input type="checkbox"/> TWMM 4.1 A-D, Pages 82-84, with Labsheet 4.1 	<p>Required assignment:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Finish any work not completed in class. <input type="checkbox"/> Pages 96-97 #1-3, you will need Labsheet 4ACE for #1 and #3. <input type="checkbox"/> Page 105 #17-19 <p>All work due on Wed/Thurs</p> <p>Data About Us Summative Assessment Project is DUE on FRIDAY, Jan. 13.</p>
<p>Wednesday/ Thursday 1-11/1-12</p> <p>Block Class</p>	<p>Focus Questions: (Learning Target) From a scatter plot, how do you know if a linear model is a good fit and whether or not the relationship is positive or negative? What does a correlation coefficient of 1, 0, or -1 suggest to you about the relationship between two variables?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Check & correct p. 96-97 #1-3, p. 101 #17-19 <p>TWMM Investigation 4 Formative Assessment Tasks</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vocabulary: correlation coefficient foldable <input type="checkbox"/> TWMM 4.2 A-C, Pages 84-86, with Labsheets <input type="checkbox"/> TWMM 4.3 A-E, Pages 87-89, with Labsheets <p>PSAT 8-9: What you need to know to feel prepared and confident</p>	<p>Data About Us Summative Assessment Project is DUE on FRIDAY, Jan. 13.</p> <p>Required assignment:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Pages 98-100 #4-7, Labsheet for #5. <p>Assignment due on Wed/Thurs January 18/19.</p> <p>Bring a calculator for the PSAT on Tuesday, Jan. 17!!</p>
<p>Friday 1-13</p> <p>See All Classes</p>	<p>Focus Questions: (Learning Target) How can you write a statistical question, collect a set of data, calculate the mean, median, mode, range, IQR and MAD, then analyze its distribution?</p> <p>Data About Us Summative Assessment Tasks</p> <ul style="list-style-type: none"> <input type="checkbox"/> Complete online Summary for Data About Us Summative Assessment Project <input type="checkbox"/> Turn in Data About Us Summative Assessment Project (Steps #1-9) 	<p>Required assignment:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Complete assignment from Wed/Th. <p>Bring a calculator for the PSAT on Tuesday, Jan. 17!!</p>

Math Standards:

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.4 Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or two from two values. Interpret the rate of change and initial value of a linear function in terms of the situation it models.

6.SP.B.5C Summarize numerical data sets in relation to their context, such as by giving quantitative measures of center (median and/or mean) and variability (interquartile range and/or mean absolute deviation), as well as describing any overall pattern and any striking deviations from the overall pattern with reference to the context in which the data were gathered.

Math Practices:

- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Attend to precision.

Success Criteria:

- Students can determine if new data pieces would “fit” with the other data.
- Students can identify a positive, negative, or no correlation given a set of data.
- Students can identify and explain a correlation coefficient of -1, 0, or 1.

Additional Web Resources:

- PSAT 8-9 information and suggestions for preparation (students)
<https://drive.google.com/drive/folders/0B1cL6qW5-PutVGZxemdnekI0em8?usp=sharing>
- Data and Graphs
https://media.pearsoncmg.com/curriculum/math/cmp3/math_tools/A82375/index.html
- Interpreting the slope and y-intercept for a line of best fit (practice)
<https://www.khanacademy.org/math/probability/scatterplots-a1/estimating-trend-lines/e/interpreting-slope-and-y-intercept-of-lines-of-best-fit>
- Statistics--Finding Center and Spread <https://www.youtube.com/watch?v=9gcNxUcVJck>
- Quartiles Explanation & Practice <http://www.mathsisfun.com/data/quartiles.html>
- MAD Explanation & Practice <http://www.mathsisfun.com/data/mean-deviation.html>
- Shapes of Distributions (tutorial)
<https://www.khanacademy.org/math/probability/data-distributions-a1/displays-of-distributions/v/shapes-of-distributions>
- Shapes of Distributions Practice
<https://www.khanacademy.org/math/probability/data-distributions-a1/displays-of-distributions/e/shape-of-distributions>
- Statistical and Non-statistical Questions (tutorial)
<https://www.khanacademy.org/math/statistics-probability/displaying-describing-data/statistics-overview/v/statistical-questions>
- Statistical and Non-statistical Questions Practice
<https://www.khanacademy.org/math/statistics-probability/displaying-describing-data/statistics-overview/e/statistical-questions>

Online Textbook Link: <http://mymathuniverse.com/cmp3>

Click “Log in to Student Place”

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