

Pathfinder Algebra 8th

Regal Coller

Week of 1-16-17 (Q2, W8)

Date:	Classwork:	Homework:
Monday 1-16	No School--MLK Day	
Tuesday 1-17	No School--Ice Day	
Wednesday 1-18	PSAT Hours 1-5	
Wednesday 1-18 6th and 7th hours only	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? <input type="checkbox"/> Complete, check, correct and submit ALL missing work! <u>TWMM Investigation 4</u> Formative Assessment Task <input type="checkbox"/> TWMM 4.1 A-D, Pages 82-84, with Labsheet 4.1	Required assignments: <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 All work due on Thurs
Thursday 1-19 See All Classes	Focus Questions: (Learning Targets) → 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? <input type="checkbox"/> Check and correct TWMM ACE4 #103, 17-19 <u>TWMM Investigation 4</u> Formative Assessment Tasks <input type="checkbox"/> TWMM 4.2 A-C, Pages 84-86, with Labsheets <input type="checkbox"/> Vocabulary: correlation coefficient foldable <input type="checkbox"/> TWMM 4.3 A-E, Pages 87-89, with Labsheets	Required assignments: <input type="checkbox"/> Complete any work not completed in class. <input type="checkbox"/> Pages 98-100 #4-7, Labsheet for #5. Assignments due on Friday.
Friday 1-20 See All Classes	Focus Question: (Learning Target) → How can you estimate correlation coefficients for different scatter plots whether created by you or others? <input type="checkbox"/> Check & correct TWMM ACE #4-7 <u>TWMM Investigation 4: Formative Assessment Task</u> <input type="checkbox"/> Go to GClassroom to complete an online exploration of correlation coefficients, finding equations for lines of best fit and using linear models to make predictions <u>Data About Us: Summative Assessment Task</u> <input type="checkbox"/> Data About Us Summative Assessment Project Make-up Summary in GClassroom	Required assignment: <input type="checkbox"/> Complete any work not completed in class. <input type="checkbox"/> Complete ALL missing assignments. Due Monday/Tuesday.

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.

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:

- 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>

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

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