

## Pathfinder Algebra 8th

## Regal Coller

## Week of 1-2-17 (Q2, W6)

Date:	Classwork:	Homework:
<p><b>Wednesday/Thursday</b></p> <p><b>1-4/1-5</b></p> <p><b>Block Class</b></p> <p><b>See Additional Web resources on this agenda for explanations (review) and practice of Data About Us math content.</b></p>	<p><b>Focus Question: (Learning Target)</b> How can you design a statistical question to collect numerical data with variability then analyze numerical data using measures of center and spread?</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Summary notes--Data About Us anchor chart</li> </ul> <p><b>Performance Tasks:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Generate possible statistical questions to collect numerical data-T-P-4Share (GF list)</li> <li><input type="checkbox"/> Discussion &amp; critique: <ul style="list-style-type: none"> <li><input type="checkbox"/> Which are statistical questions?</li> <li><input type="checkbox"/> How do you know?</li> <li><input type="checkbox"/> Which questions generate numerical data?</li> <li><input type="checkbox"/> How do you know?</li> </ul> </li> <li><input type="checkbox"/> Begin Data About Us Summative Assessment Project</li> <li><input type="checkbox"/> Finish ALL stations tasks for IQR and MAD that you have not yet completed. Correct your work.</li> </ul>	<p><b>Required assignment:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Can You Feel the Power? (CYFTP) Summative assessment corrections</b>--Make corrections for ALL of your mistakes using lined paper. Staple your corrections to your CYFTP packet. (Due FRI)</li> <li><input type="checkbox"/> Additional Practice Investigation 3 &amp; 4 WS Packet, Secret Message &amp; Safecracker--Due FRI</li> </ul>
<p><b>Friday</b></p> <p><b>1-6</b></p> <p><b>See All Classes</b></p>	<p><b>Focus Questions: (Learning Target)</b> How can you use the mean, median, mode, range, IQR and MAD to help you analyze the distribution of your data?</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Collect CYFTP Test corrections</li> <li><input type="checkbox"/> Correct Additional Prac. 3 &amp; 4, Secret Message and Safecracker.</li> </ul> <p><b>Performance Tasks:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Continue working on Data About Us Project</li> </ul>	<p><b>Required assignment:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Complete project, Due on January 13.</li> </ul>

**Math Standards:**

**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:**

- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.

**Success Criteria:**

- Students will generate statistical questions and differentiate them from non-statistical questions.
- Students will collect data from classmates. Then calculate the mean, median, mode, and range of a data set. Lastly students will describe their data with respect to its shape, center, and spread.

**Additional Web Resources:**

- 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>

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