

Pathfinder Algebra 8th

Regal Coller

Weeks of 12-12 & 12-19-16 (Q2, W6)--Rev.

Date:	Classwork:	Homework:
<p>Tuesday</p> <p>12-13</p> <p>Both math and science</p>	<p>Focus Question: (Learning Target) How can you describe a set of data according to characteristics of its distribution?</p> <p>Assessment FOR Learning</p> <p>Performance Tasks:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Birthday Month/Date Survey with human dot plot, frequency table <input type="checkbox"/> Line plots--Describe their shapes. <input type="checkbox"/> Data analysis-- <ol style="list-style-type: none"> 1. Measures of central tendency (mean, median, mode) 2. One measure of spread (range) 	<p>Required assignments (Due W/Th):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Data About Us Additional Practice Inv. 1 & 2 WS packet--Show ALL work and explain your reasoning. <p>Data About Us Summative Assessment January 4-6 (in-class). Due January 13.</p>
<p>Wednesday/Thursday</p> <p>12-14/12-15</p> <p>Block Classes</p> <p>See additional web resources on page 2 of the digital agenda for explanations, examples and definition of terms.</p>	<p>Focus Questions: (Learning Target) How can you describe and compare data sets using measures of center and spread?</p> <p>Assessment FOR Learning</p> <p>Performance Tasks:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Discuss and compare birthday data from different classes <input type="checkbox"/> Mall Madness Mayhem and Food, Fun, and Fan Fare stations tasks--Answer all questions for each activity. Show your work! <input type="checkbox"/> Data About Us Additional Practice Inv. 1 & 2 Packet--Answer all questions, show work and use clear reasoning. 	<p>Required assignments (Due Fri):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Finish work not completed in class.
<p>Friday</p> <p>12-16</p> <p>See All Classes</p>	<p>Focus Questions: (Learning Target) How is the IQR used to make comparisons among distributions? What information does the MAD provide about how data vary in a distribution?</p> <p>Assessment FOR Learning:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Correct Additional Practice Investigations 1 & 2 WS Packet <p>Performance Tasks:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Data About Us - ACE # 4-7 (See handout) 	<p>Required assignment (Due Mon/Tues):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Finish work not completed in class.

<p>Monday/Tuesday 12-19/12-20</p> <p>Block Classes</p>	<p>Focus: (Learning Target) How is the IQR used to make comparisons among distributions? What information does the MAD provide about how data vary in a distribution? How can you interpret data using a box-and-whisker plot?</p> <p>Assessment FOR Learning</p> <p>Performance Tasks:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Correct ACE #4-7--Share and compare line plots <input type="checkbox"/> IQR--Data About Us Problem 3.2, IQR organizer notes and box-and-whisker foldable <input type="checkbox"/> MAD--Data About Us Problem 3.3, MAD foldable <input type="checkbox"/> Vocabulary chart completion: <ul style="list-style-type: none"> <input type="checkbox"/> cluster <input type="checkbox"/> gaps <input type="checkbox"/> outlier <input type="checkbox"/> variability <input type="checkbox"/> mean absolute deviation (MAD) <input type="checkbox"/> lower quartile <input type="checkbox"/> upper quartile <input type="checkbox"/> interquartile range (IQR) <input type="checkbox"/> box-and-whisker plot <input type="checkbox"/> shape of a distribution <input type="checkbox"/> skewed data <input type="checkbox"/> Data About Us Additional Practice Inv. 3 & 4 worksheet packet. 	<p>Required assignment (Due Wed):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Complete worksheet packet if needed. <input type="checkbox"/> TWMM Investigation 3 Test corrections--Make corrections for ALL mistakes using lined paper and graph paper. Staple your corrections to your test. <input type="checkbox"/> Can You Feel the Power? (CYFTP) Summative assessment corrections--Make corrections for ALL of your mistakes using lined paper. Staple your corrections to your CYFTP packet.
<p>Wednesday 12-21</p>	<p>Performance Tasks:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Turn in corrections for TWMM Test & CYFTP <input type="checkbox"/> Apollo 13, Reflection and Goal Setting 	

Math Standards:

6.SP.A.2 Understand that a set of data collected to answer a statistical question has a distribution, which can be described by its center, spread and overall shape.

6.SP.A.3 Recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary with a single number.

6.SP.A.4 Display numerical data in plots on a number line.

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 can calculate the mean, median, mode, and range of a data set.
- Students can describe data with respect to its shape, center, and spread.
- Students can display data with a dot plot.
- Students can analyze in a box plot and explain distribution of the data.

Additional Web Resources:

- <http://www.mathsisfun.com/data/frequency-grouped-mean-median-mode.html>
- <http://www.mathsisfun.com/data/quartiles.html>
- <https://www.youtube.com/watch?v=9gcNxUcVJck>
- <http://www.dailymail.co.uk/news/article-2765336/How-common-birthday-Charts-reveal-American-babies-born-late-summer-delivered-major-holidays.html>
- <http://www.livescience.com/32728-baby-month-is-almost-here-.html>
- <http://www.mathsisfun.com/data/mean-deviation.html>
- <https://www.khanacademy.org/math/probability/data-distributions-a1/displays-of-distributions/v/shapes-of-distributions>

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

Click "Log in to Student Place" → Enter Username: lasfir21 → Password: D2001_ _ _ _