

## Pathfinder Algebra 8th

## Regal Coller

## Week of 11-28-16 (Q2, W4)

Date:	Classwork:	Homework:
<p><b>Monday/Tuesday</b></p> <p><b>11-28/11-29</b></p> <p><b>Block Classes</b></p>	<p><b>Focus Questions: (Learning Target)</b> Is the relationship shown between two variables a direct or an inverse variation? What evidence do you have to support your answer?</p> <p><input type="checkbox"/> Correct Thanksgiving Word Problems worksheet</p> <p><b>Performance Tasks:</b> <b><u>ASSESSMENT FOR LEARNING:</u></b></p> <p><input type="checkbox"/> Review Inverse and Direct Variations to prepare for the Summative Assessment</p> <p><input type="checkbox"/> Quick Review Notes--Inverse Variation, Direct Variation or Neither?</p> <p><b><u>ASSESSMENT OF LEARNING:</u></b></p> <p><input type="checkbox"/> Can You Feel the Power?</p> <ol style="list-style-type: none"> <li>1. Perform experiment to generate data</li> <li>2. Analyze and model data independently</li> <li>3. Use solid evidence and clear reasoning to defend your choices of models</li> <li>4. <b><i>This is a summative assessment!</i></b></li> </ol>	<p><input type="checkbox"/> <b>Can You Feel the Power? does not leave the classroom.</b></p> <p><b>Required assignment:</b></p> <p><input type="checkbox"/> <b>Study for your TWMM Investigation 3 Summative Assessment on Monday/Tuesday, December 5/6.</b></p> <p><input type="checkbox"/> Catch up on missing assignments.</p>
<p><b>Wednesday/Thursday</b></p> <p><b>11-30/12-1</b></p> <p><b>Block Classes</b></p>	<p><b>Focus Question: (Learning Target)</b> Is the relationship shown between two variables a direct or an inverse variation? What evidence do you have to support your answer?</p> <p><b>Performance Tasks:</b> <b><u>ASSESSMENT FOR LEARNING:</u></b></p> <p><input type="checkbox"/> Direct/Inverse Variation Ladder Activity</p> <p><input type="checkbox"/> Direct/Inverse Variation Review packet</p> <p><input type="checkbox"/> <b>Prepare a note sheet for your test. Review these assignments to help you create your note sheet.</b></p> <ul style="list-style-type: none"> <li>- Check Up Investigation 3</li> <li>- Additional Practice wkst packet</li> <li>- Direct Variation Review Packet</li> <li>- Notes on inverse and direct variations (especially graphic organizer)</li> </ul> <p><b><u>ASSESSMENT OF LEARNING:</u></b></p> <p><input type="checkbox"/> Complete the Can You Feel the Power? Summative assessment.</p> <p><input type="checkbox"/> If you were absent when the data was collected, use the data given to you by the teacher.</p> <p><input type="checkbox"/> <b>Can You Feel the Power? does not leave the classroom.</b></p>	<p><b>Homework due Mon/Tues</b></p> <p><input type="checkbox"/> <b>Complete any work not completed in class.</b></p> <p><b>Required assignment:</b></p> <p><input type="checkbox"/> <b>Study for your TWMM Investigation 3 Summative Assessment on Monday/Tuesday, December 5/6.</b></p> <p><input type="checkbox"/> <b>Use the links for additional review and practice on page 3 of the online version of this agenda.</b></p>

<p><b>Friday 12-2</b></p> <p><b>See All Classes Job Shadow Day</b></p>	<p><b>Focus Question: (Learning Target)</b> How are math, science, engineering and technology used in real-world careers?</p> <p><b>Performance Tasks:</b> STEM Careers:iONFuture</p> <ul style="list-style-type: none"><li><input type="checkbox"/> STEM Careers and activities <a href="#">website</a></li><li><input type="checkbox"/> Explore STEM careers via games <a href="#">here</a>. Play as a guest</li><li><input type="checkbox"/> Math on the Job - <a href="http://www.khake.com/page56.html">http://www.khake.com/page56.html</a></li></ul>	<p><b>Required assignment:</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> Study for your TWMM Investigation 3 Summative Assessment on Monday/Tuesday, December 5/6.</li></ul>
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**Math Standards:**

**8.F.A.1** Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.

**8.F.B.5** Describe qualitatively the functional relationship between two quantities by analyzing a graph. Sketch a graph that exhibits the qualitative features of a function that has been described verbally.

**8.EE.B.5** Graph proportional relationships, interpreting the unit rate as the slope of a graph. Compare two different proportional relationships represented in different ways. For example, compare a distance-time graph to a distance-time equation to determine which of two moving objects has greater speed.

**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 associations, linear association, and nonlinear association.

**Math Practices:**

Construct viable arguments and critique the reasoning of others.

Model with mathematics.

Attend to precision.

Look for and make use of structure.

Look for and express regularity in repeated reasoning.

**Success Criteria:**

- Students can identify an inverse variation.
- Students can find the constant (k) in an inverse variation.
- Students can write an equation for an inverse variation.
- Students can identify a direct variation.
- Students can find the constant (k) in a direct variation.
- Students can write an equation for a direct variation.

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**Additional Web Resources:**

- [http://www.mathwords.com/i/inverse\\_variation.htm](http://www.mathwords.com/i/inverse_variation.htm)
- <http://www.regentsprep.org/regents/math/algtrig/ate7/inverse%20variation.htm>
- <https://www.khanacademy.org/math/algebra2/rational-expressions-equations-and-functions/direct-and-inverse-variation/v/direct-and-inverse-variation>
- <http://www.sparknotes.com/math/algebra1/variation/section2.rhtml>
- <https://www.khanacademy.org/math/algebra2/rational-expressions-equations-and-functions/direct-and-inverse-variation/v/direct-and-inverse-variation>