

Pathfinder Algebra 8th

Regal Coller

Week of 11-7-16 (Q2, W1)

Date:	Classwork:	Homework:
<p>Monday</p> <p>11-7</p> <p>See All Classes</p> <p>Math vocabulary resource for today: https://www.mathsisfun.com/numbers/inverse.html</p>	<p>Focus Question: (Learning Target) When the product of two variables is some fixed number, what is the pattern of change and how is that pattern of change reflected in tables and graphs of the relationship?</p> <p>Performance Tasks: TWMM Problem 3.1 (p. 61-63 A-C)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vocabulary: Additive Inverses and Multiplicative Inverses <input type="checkbox"/> Area review <input type="checkbox"/> Use labsheet 3.1A & 3.1B and your notebook to complete Problem 3.1. <p>Reflection Questions:</p> <ol style="list-style-type: none"> 1. What is the additive inverse of 5? Of -3.1? Use evidence and reasoning to show you are correct. 2. What is the multiplicative inverse of -7? Of $\frac{1}{2}$? Use evidence and reasoning to show you are correct. 	<p>Homework due next class.</p> <p>Required assignment:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Complete any work not completed in class. <input type="checkbox"/> Page 69 #1-2 and Page 73 #14-20 <p>Extension: (if you choose)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Page 72-73 #12-13
<p>Tuesday</p> <p>11-8</p>	<p>NO SCHOOL--Election Day</p>	
<p>Wednesday/Thursday</p> <p>11-9/11-10</p> <p>Block Class</p> <p>Additional web resources for today's topic on page 2 of this agenda.</p>	<p>Focus Question: (Learning Target) What examples using distance, rate, and time show one variable inversely related to another?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Correct homework <p>Performance Tasks: TWMM Problem 3.2 (p. 63-65 A-C)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vocabulary: Inverse variation and direct variation <input type="checkbox"/> Double-bubble compare/contrast: Inverse variation and direct variation <input type="checkbox"/> Launch video and travel discussion <input type="checkbox"/> Use the packet provided to complete Problem 3.2. <p>Reflection Questions:</p> <ol style="list-style-type: none"> 1. What is the general equation format for an inverse variation? Explain what the different parts of the equation represent. 2. Are inverse variations linear? Explain. 	<p>Homework due next class.</p> <p>Required assignment:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Complete any work not completed in class. <input type="checkbox"/> Do ACE Page 70 #4-8 & Page 71 #10 <input type="checkbox"/> TWMM Investigations 1 & 2 Test Corrections are required of ALL students. See directions on back of score report. <p>Extension: (if you choose)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Page 75 #37 <input type="checkbox"/> Page 77 #42
<p>Friday</p> <p>11-11</p> <p>Veteran's</p>	<p>Focus Question: (Learning Target) What patterns do you look for to determine if there is a direct or inverse relationship?</p> <p>Performance Task:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Direct vs. Inverse Variations Stations 	<p>Required assignment: None - catch up on work from the week if you have anything missing.</p>

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Mrs. RC's Website: <http://www.pinckneymich.com/>

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Math Standards:

8.F.A.3 Interpret the equation $y = mx + b$ as defining a linear function, whose graph is a straight line; give examples of functions that are not linear.

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.

Math Practices:

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.

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

Click "Log in to Student Place"

Enter Username: lasfir21

Password: D2001_ _ _ _

Additional Web Resources:

- 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>

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