

D A Y  U N I T	*Content Strand *Learning Target -I Can *Essential Questions -WHY?? -How do you know? <a href="#">Curriculum document</a> <a href="#">Common Core</a>	Vocabulary/ Vocab Activity <a href="#">Activities</a> <a href="#">Activities II</a>	Thoughtful Ed./ Student Engagement <a href="http://www.marshall.kyschools.us/">www.marshall.kyschools.us/</a> <a href="http://www.muhenberg.kyschools.us/?q=node/61">www.muhenberg.kyschools.us/?q=node/61</a> <a href="#">Engagement Cube</a> <a href="#">Cube II (examples)</a> <a href="#">What is student engagement?</a>	Literacy/Reading in the Content <a href="#">Literacy Ideas</a>	Formative/ Summative Assessment <b>F -Formative</b> <b>S-Summative</b> <a href="http://www.act.org/standard/guides/expl/re/">www.act.org/standard/guides/expl/re/</a> <a href="#">Strategies</a> <a href="#">More Ideas</a>	Differentiation <b>T-Task</b> <b>S-Special Needs</b> <b>G-Gifted/Accel.</b> <a href="http://serge.ccsso.org/Ideas">http://serge.ccsso.org/Ideas</a> <a href="#">9 Types</a> <a href="#">Big Explanation Tool</a>	Technolog y <a href="#">50 Ideas</a>
1	Pretest						
2	8.F.1 2.1 Write sequences using diagrams. Write sequences from problem situations.	Sequence Term Ellipsis		Write an explanation for each sequence  Problems within each section require students to explain their work using sentences All problems are real-world scenarios	Formative Problem 1, 2, 5 - Using diagrams to write sequences Problem 9, 10, 11 - Using problem situations to write sequences	Task: use MATHia to excel onto next concept	PowerPoint Document Camera Interwrite
3	8.F.1 8.F.5	discrete graph continuous	Personal Response/Clear and	Write your own story relating to	Formative Problem 1	Task: use MATHia to excel onto next	PowerPoint Document

	<p>2.2 Describe characteristics of graphs. Describe a real-world situation using a graph.</p>	<p>graph linear graph collinear points non-linear graph</p>	<p>Modeled Expectations: Write a story using a graph</p>	<p>the given graph  Problems within each section require students to explain their work using sentences All problems are real-world scenarios</p>	<p>Characteristics of graphs Problem 2 Making sense of graphs Problem 3 Write a story for a graph</p>	<p>concept</p>	<p>Camera Interwrite  MATHia 25 minutes for homework (module 7 only)</p>
4	<p>8.F.1 8.F.2 8.F.3 8.F.5 2.3 Define relation and function. Determine whether a relation is a function using mapping, set of ordered pairs, table, sequence, graph, equation, or context.</p>	<p>Mapping Set Relation Input Output Function Domain Range Scatter plot Vertical line test</p>	<p>Personal Response: Compare graphs, tables, mapping, and sets of ordered pairs to determine if they represent functions.</p>	<p>Read several different scenarios to determine if the context could be classified as a function or not.  Problems within each section require students to explain their work using sentences All problems are real-world scenarios</p>	<p>Formative Problem 1 Analyzing ordered pairs Problem 2 Analyzing Contexts <i>Finish the following for homework</i> Problem 4 Analyzing graphs Problem 5 Analyzing Equations Problem 6 Function or Not</p>	<p>Task: use MATHia to excel onto next concept</p>	<p>PowerPoint Document Camera Interwrite</p>
5	<p>8.F.1 8.F.2 8.F.3 8.F.4 8.F.5</p>	<p>Linear function</p>	<p>Authenticity- real life problems  Personal Response - Compare values of</p>	<p>Problems within each section require students to explain their work using</p>	<p>Formative Problem 1 Climbing to the top!</p>	<p>Task: use MATHia to excel onto next concept</p>	<p>PowerPoint Document Camera Interwrite</p>

	<p>2.4 Make input-output tables for linear functions. Graph linear functions. Determine characteristics of linear functions.</p>		<p>independent and dependent variables and describe how the dependent variable changes in relation to the independent variable.</p>	<p>sentences All problems are real-world scenarios</p>			
6	MATHia lab day						Dell Duos Student Computers
7	<p>8.F.1 8.F.2 8.F.3 8.F.4 8.F.5 2.5 Use different models to represent a problem situation. Determine an initial value when given a final result. Identify the advantages and disadvantages of using a particular representation.</p>	No vocabulary	Authenticity- real life problems	<p>Problems within each section require students to explain their work using sentences All problems are real-world scenarios</p>	Formative Problem 1 Cost Analysis	Task: use MATHia to excel onto next concept	<p>PowerPoint Document Camera Interwrite</p>
8	<p>8.F.1 8.F.2 8.F.3 8.F.4 8.F.5 2.6 Use different methods to represent a problem situation. Estimate values of expressions</p>	Estimation Point of intersection	Authenticity- real life problems	<p>Problems within each section require students to explain their work using sentences All problems are real-world scenarios</p>	<p>Formative Problem 1 Analyzing the competition Problem 2 Which is the better buy?</p>	Task: use MATHia to excel onto next concept	<p>PowerPoint Document Camera Interwrite  MATHia 25 minutes for homework</p>

	that involve decimals. Determine an initial value when given a final result.						
9	8.F.1 8.F.2 8.F.5 2.7 Define, graph, and analyze non-linear functions, including absolute value, area of a square, and volume of a cube.	Absolute value function Square or quadratic function Cube or cubic function		Problems within each section require students to explain their work using sentences All problems are real-world scenarios	Formative Problem 1 The V Problem 2 Not V but U Problem 3 Not V or U	Task: use MATHia to excel onto next concept	PowerPoint Document Camera Interwrite  MATHia 25 minutes for homework
10	Review				Study Guide Multiple Choice Practice Quiz		
11	Test				Test Open Response		