

D A Y I N U N I T	*Content Strand *Learning Target -I Can *Essential Questions -WHY?? -How do you know? Curriculum document Common Core	Vocabulary/ Vocab Activity Activities Activities II	Thoughtful Ed./ Student Engagement www.marshall.kyschools.us/ www.muhlenberg.kyschools.us/?q=node/61 Engagement Cube Cube II (examples) What is student engagement?	Literacy/Reading in the Content Literacy Ideas	Formative/ Summative Assessment F –Formative S-Summative www.act.org/standard/guides/explore/ Strategies More Ideas	Differentiation T-Task S-Special Needs G-Gifted/Accel. http://serge.ccsso.org/ideas 9 Types Big Explanation Tool	Technology 50 Ideas
1	Pretest						
2	7.RP.1 7.RP.2.a 7.RP.2.d 2.1 I CAN determine how quantities in different situations vary. I CAN use multiple representations to explore the types of variation.	Vocabulary Notebook variation (direct proportion) Origin	New American Notebook to review lesson at end of class period Personal Response: students will make connections between the numbers on the table in problem 1 question 2	Problems within each section require students to explain their work using sentences All problems are real-world scenarios	F: Students will complete Problem 1 Question 1 (chart) and Question 2. Students will respond to question 2 using TurningPoint clickers	S: Students will receive copies of TurningPoint questions and New American Notebook questions	Interwrite TurningPoint PowerPoint
3	7.RP.1 7.RP.2.a 7.RP.2.d 2.1 (continued) I CAN determine how quantities in different situations vary. I CAN use multiple representations to explore the types of variation.						

4	<p>7.RP.2.a 2.2 I CAN determine if the points on a graph are equivalent ratios.</p>	N/A	Learning With Others: small group discussion	Problems within each section require students to explain their work using sentences All problems are real-world scenarios	F: Section 2.2 Problem 1 & 2. Finish Problem 3 as homework F: Quiz	S – students that require a reader will work with a partner that will read word problems aloud G: use MATHia to excel onto next concept	Interwrite Document Camera PowerPoint
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5	<p>7.RP.2.b 7.RP.2.c 2.3 I CAN determine the constant of proportionality. I CAN solve problems using the proportional relationship between two variables.</p>	Vocabulary Notebook Constant of Proportionality	Personal Response: students make connections between proportions and the constant of proportionality	Problems within each section require students to explain their work using sentences All problems are real-world scenarios	F: Section 2.3 Problems 1, 2, 3, 4 in class. Do Problem 5 as homework.	S – students that require a reader will work with a partner that will read word problems aloud G: use MATHia to excel onto next concept	Interwrite Document Camera PowerPoint
6	<p>7.RP.2.a 7.RP.2.b 7.RP.2.c 7.RP.3 2.4 I CAN determine if there is a constant of proportionality between two</p>	N/A	Sense of Audience: Students share their work as examples with the class using the document camera and explain their work (personal response)	Problems within each section require students to explain their work using sentences All problems are real-world scenarios	F: Section 2.4 Problems 1 & 2	S – students that require a reader will work with a partner that will read word problems aloud G: use MATHia to	Interwrite Document Camera PowerPoint

	variables.					excel onto next concept	
7	7.RP.2.a 7.RP.2.b 7.RP.2.c 7.RP.2.d 2.5 I CAN graph relationships that are directly proportional. I CAN interpret the graphs of relationships that are directly proportional.	N/A	Personal Response: Students make connections and draw conclusions from data tables relating to the constant of proportionality. Students also explain how they determined their answers on problems involving graphs and the c.o.p.	Problems within each section require students to explain their work using sentences All problems are real-world scenarios	F: Problem 1 #1 – 5 and Problem 2	S – students that require a reader will work with a partner that will read word problems aloud G: use MATHia to excel onto next concept	Interwrite Document Camera PowerPoint
8	MATHia Lab Day						Dell Duos
9	7.RP.2.a 7.RP.2.b 7.RP.2.c 2.6 I CAN determine if two variables are directly proportional or vary directly. I CAN interpret relationships that are direct proportions. I CAN solve direct variation problems using the equation $y = kx$.	N/A	Highlighting Strategy – to distinguish between variables and constant of proportionality and to assist in setting up proportion and creating equation.	Problems within each section require students to explain their work using sentences All problems are real-world scenarios	F: Problem 2 & 3 (finish as homework) F: Exit slip: writing equation representing proportional relationship	S – students that require a reader will work with a partner that will read word problems aloud G: use MATHia to excel onto next concept	Interwrite Document Camera PowerPoint
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UNIT	-How do you know? Curriculum document Common Core		Cube II (examples)		S-Summative www.act.org/standard/guides/explore/Strategies More Ideas	http://serge.ccssso.org/Ideas 9 Types Big Explanation Tool	
10	Review 7.RP.2.a 7.RP.2.b 7.RP.2.c 7.RP.2.d 2.7				Study Guide Timed Multiple Choice quiz to practice for KCCT		
11	Test				Test		
12							
13							