Unit Topic: Ratios and Percents		Franklin-Simpson Middle School			Date: Sept. 20 – Nov. 10	
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)](#)	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	**Ratios** • I can define the term ratio and demonstrate my understanding by giving various examples. • I can write a ratio that describes a relationship between two quantities. • I can explain the relationship that a ratio represents. *Use wkst. 10-1 to practice writing and discussing ratios. Identify part to part and part to whole relationships.*	ratio			F- Are the students able to write ratios, and distinguish between the types of ratios?		
2	**Unit Rates** • I can define the term "unit rate" and demonstrate my understanding by giving various examples. • I can recognize a ratio written as a unit rate, explain a unit rate, and give an example of a unit rate. • I can describe the ratio relationship represented by a unit rate. *Define and give examples of unit rates. Use the bottom half of wkst. 10-1 to practice writing unit rates.*	Rate Unit rate		Brainstorm: Where have you seen unit rates displayed?			

3	**Equivalent Ratios** • I can create a table of equivalent ratios. • I can use the proportional relationship to find missing values in a table of equivalent ratios. • I can compare ratios presented in various tables. *Define equivalent ratios. Brainstorm and create a table that shows equivalent ratios. Use real-world situations.*	Equivalent ratios proportion	Pair and Share: Create quivalent ratios with a partner.				
4	*Same content as day 3. Use wkst. 10-2 to practice working with equal ratios.*				F – Are the students able to create equal ratios?		

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)
				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

5	*Review ratios, unit rates, and equivalent ratios.*				Formative – Which areas are giving the students the most difficulty?		

6	*Quiz over ratios, unit rates, and equivalent ratios.* • I can plot corresponding values from an equivalent ratio table on a coordinate grid. *Use graph paper to plot equal ratios on the coordinate plane.*		Use highlighters to identify part to part ratios and part to whole ratios.				
7	**Percents** • I can write a percent as a rate over 100. • I can use proportional reasoning to find the percent of a given number. *Introduce percents and practicing finding percents of a number.*	percent					
8	Continue learning targets from day 7. Practice finding percents of a number using the percent worksheet.						

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)
				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

9	**Finding the part or whole when the percent of a number is given.** • I can use proportional reasoning to find the whole when given both the part and the percent. *Model the percent proportion formula. Discuss how to use this formula to determine the missing part or whole when given the percent of a number. Work severa l examples together.*						

1 0	Continue finding the part or the whole when the percent of a number is given. Use the percent proportion formula. Use practice problems from lesson 7-8 in the blue text book.					
1 1	Use worksheet 7-8 to review using the percent proportion formula. Quiz: Finding percents of a number and finding the part or whole when a percent is given.				Summative of using the percent proportion.	
1 2	**Ordered Pairs** • I can plot corresponding values from an equivalent ratio table on a coordinate grid *Review the coordinate grid system. Begin plotting points.*	coordinate					
1 3	*Continue plotting ordered pairs. Complete page 323 in the red book to practice.*					
1 4	*Quiz: Plotting ordered pairs. Use worksheet 8-6 as a quiz.* *On a blank grid, create your own design. Record the coordinates of your design.*				Summative of ordered pairs.	

15	**Converting measurements using ratios.** • I can use a ratio as a conversion factor when working with measurements of different units. *Review basic units of measurement. Refer to the table in the student agenda for this information. Use worksheet 8-8 (old Glencoe wkbk.) to practice conversions.*	Customary system Metric system	Venn diagram Compare/Contrast measurement sytems			
16	*Continue converting measurements using equal ratios. Finish worksheet 8-8 from yesterday.*				F – teacher monitors student work.	
17	*Unit Review* Begin reviewing all standards in this unit. Pass back the unit pretest and make corrections on this based on what has been learned in the unit.				Review for Summative	
18	*Unit Review* *Continue reviewing all standards in unit 2. Use Chapter 7 test from the new Glencoe text series as a review and practice test.*				Review for Summative	
19	*Unit 2 Assessment*				Summative assessment	