Unit Topic: _Number System (#1) Henderson and Shaner_   Franklin-Simpson Middle School   Date: _8/11-8/30_

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	8/11 Introduction to Real Numbers	Foldable: Rational Irrational Whole Integer Natural Real			Identifying Real Number		Interwrite Elmo
2	8/12 8.NS.1 I can classify a number as rational or irrational based on its decimal expansion. In what ways can rational numbers be useful?			Graphic Organizer of Vocabulary words (Circle Venn Diagram Activity)	"Which one doesn't belong?" slip		Interwrite Elmo Prezi
3	8/15 8.NS.1 I can convert between fractions, decimals, and percents. Why is it important to be able to convert between different types of numbers?	Fractions Decimals Percents	Gallery Walk		App on iPad		Interwrite Elmo
4	8/16 8.NS.1 I can convert a repeating decimal into a rational number.			Carnegie Lesson 5.2 "Sew What"	Formative: Worksheet on converting repeating decimals to fractions		Interwrite Elmo

	Why is it important to be able to express rational numbers as decimals and decimals as fractions?					
5	8/17 8.NS.2 I can use reasoning to determine which two consecutive whole numbers a square root will fall. How can estimating help determine the value of square roots?			Guitar Strings and Other Things			Interwrite Elmo
6	8/18 8.NS.2 I can use reasoning to determine which two consecutive whole numbers a square root will fall. How can estimating help determine the value of square roots?			Guitar Strings and Other Things, cont.			Interwrite Elmo
7	8/19 MATHia					MATHia--software differentiated based on individual student level	MATHia
8	8/22 8.NS.2 I can use reasoning to determine which two consecutive whole numbers a square root will fall. I can estimate the value of an irrational number by rounding to a specific place value. How can estimating square roots help solve problems?				Formative: Worksheet on estimating the value of an expression that includes square roots and irrational numbers		Interwrite Elmo
9	8/23 8.NS.2 I can use reasoning to determine				Formative: Worksheet on estimating the value of an expression that		Interwrite Elmo

	which two consecutive whole numbers a square root will fall. I can estimate the value of an irrational number by rounding to a specific place value. How can estimating square roots help solve problems?					includes square roots and irrational numbers	
10	8/24 8.NS.2 I can plot the estimated value of an irrational number on a number line. I can estimate the value of an irrational number by rounding to a specific place value. How can we use the location of an irrational number on a number line to help solve problems?		Human Number Line		Worksheet with Number Line		Interwrite Elmo
11	8/25 8.NS.2 I can compare and order rational and irrational numbers. I can use estimated values to compare two or more irrational numbers. How can comparing numbers help us solve problems with irrational and rational numbers?		Line-up Activity		Worksheet		Interwrite Elmo
12	8/26 MATHia					MATHia--software differentiated based on individual student level	MATHia

15	8/29 Study Guide/Review		TGT				
16	8/30 TEST				Summative: TEST		