

<i>Strand</i>	<i>Grade</i>	<i>Time Frame</i>	<i>Content</i>	<i>Standard Description</i>	<i>Topic</i>	<i>Observable Proficiencies Skills</i>	<i>NJCCCS</i>	<i>Essential Questions</i>	<i>Assessments</i>	<i>Performance Benchmarks</i>	<i>Resources</i>	<i>Book</i>
4.1.A	8		Number sense	Rational numbers Irrational numbers	Number Sense	To be able to convert an apply both rational and irrational numbers, to both mathematical and real world applications	4.1.8A1	How do you apply different numbers and there applications, to real world situations?	Written assessments. Verbalization. PBL's involving real world applications	1. Extend understanding of the number system by constructing meanings for the following:	Supplementation of materials. Books/Notes, and other materials	
4.1.A	8				Number Sense		4.1.8A2			2. Demonstrate a sense of the relative magnitudes of numbers		
4.1.A	8	Oct-07	Number sense	Ratios Percents Proportions	Number Sense	Apply and use ratios and percents	4.1.8A3	How can you solve the amount of material need in a figure if the area is increased by 25%?	Given the dimensions, increase each side by 50% and find the new area and perimeter.	3. Understand and use ratios, proportions and percents in a variety of situations	GEPA prep. Supplemental notes and materials	
4.1.A	8		Number sense	Comparing and ordering all real numbers	Number Sense	Place numbers in correct order. Descending or ascending	4.1.8A4	Which numbers are larger and which numbers are smaller?	Order the given set of numbers from least to greatest	4. Compare and order numbers of all types.	GEPA prep. Supplemental notes and materials	