

Mathematics 4.1- Grade 7 (NUMBER AND NUMERICAL OPERATIONS)

<p>ALL STUDENTS WILL DEVELOP NUMBER SENSE AND WILL PERFORM STANDARD NUMERICAL OPERATIONS AND ESTIMATIONS ON ALL TYPES OF NUMBERS IN A VARIETY OF WAYS.</p>		<p><u>Suggested Learning and Interdisciplinary Activities</u></p> <p><u>4.1</u></p>
<p>BIG IDEA: Numeric reasoning involves fluency and facility with numbers.</p>		
<p>A. Number Sense</p>	<ol style="list-style-type: none"> 1. Extend understanding of the number system by constructing meanings for the following (unless otherwise noted, all indicators for grade 7 pertain to these sets of numbers as well): <ul style="list-style-type: none"> • Rational numbers • Percents • Whole numbers with exponents 2. Demonstrate a sense of the relative magnitudes of numbers. 3. Understand and use ratios, proportions, and percents (including percents greater than 100 and less than 1) in a variety of situations. 4. Compare and order numbers of all named types. 5. Use whole numbers, fractions, decimals, and percents to represent equivalent forms of the same number. 6. Understand that all fractions can be represented as repeating or terminating decimals. 	<ul style="list-style-type: none"> • “Using Context to Determine Reasonable Values” <i>NCTM Activity 2</i> • “Operations on Fractions” <i>NCTM Activity 24</i> • “Percent Benchmarks” <i>NCTM Activity 37</i> • M & M Estimation Activity: NJ <i>Math Framework p. 201</i>