

220 - Connected Math 2 - unless otherwise noted, students need to demonstrate proficiency without the use of a calculator.

Outcome	Proficient	High Performance	Instructional Activities/Evidence
Able to divide fractions.	<p>Student can correctly divide fractions, using an algorithm discovered in the classroom.</p> <p>Student can identify sharing and grouping division problems.</p> <p>Student can make at least one connection between multiplication and division of fractions.</p>	<p>Student can use the area model as well as an algorithm to demonstrate an understanding of dividing fractions.</p> <p>Student can explain HOW the area model proves that her algorithm works.</p>	<p>Bits and Pieces II Inv. 4.1 – 4.4</p> <p>Math Reflections Inv. 4</p> <p>ACE problem Inv. 4</p> <p>Quizzes, tests</p> <p>Math Notebook</p>
Able to use at least one method to find the percent of a number.	<p>Student can correctly rewrite the percent as a fraction or a decimal.</p> <p>Student can correctly find the percent of a number using one method.</p>	<p>Student can use more than one method to find the percent of a number.</p> <p>Student is able to make connections between this outcome and another.</p> <p>Student can make connections between this outcome and its use in the real world such as in shopping.</p>	<p>Bits and Pieces III</p> <p>Math Reflections Inv. Three</p> <p>ACE Problems Inv. Three</p> <p>Math Notebook</p>
Able to recognize and solve the three types of percent problems when either the whole, the part or the percent is missing.	<p>Student can correctly identify the part, percent and the whole in the problem.</p> <p>Student can find the percent, when given the part and the whole. Student can find the whole when given the part and the percent. Student can find the part, when given the whole and percent.</p>	<p>Student can create a “Show Me” poster explaining how to solve the three types of percent problems using real world examples from coupons, shopping ads, department stores, newspaper articles, etc.</p> <p>Student uses proportions to solve the percent problems.</p>	<p>Bits and Pieces III</p> <p>Ace Problems Inv. Three</p> <p>Math Reflections Investigation One</p> <p>Math Notebook</p>

<p>Able to figure tax, tips and discounts.</p>	<p>Student can correctly find the tax, tip and discount for a given situation.</p> <p>Student demonstrates the ability to explain in words strategies used to find tax, tip and discount.</p>	<p>Student can create a project involving the use of tax, tip and discount in real world situations; such as in clothing stores, the supermarket, catalog shopping, restaurant menu.</p> <p>Student can use knowledge to make connections a real world problem.</p>	<p>Ace Problems</p> <p>Math Reflections Investigation One</p> <p>Math Notebook</p>
<p>Able to write a ratio or other comparison statement about a fact situation or a set of data.</p>	<p>Student is able to write a ratio and identify what the numerical values in the ratio represent.</p> <p>Student can identify different ways to write ratios.</p>	<p>Student can complete an advertisement using comparison statements.</p> <p>Student can use ratios to write comparison statements.</p>	<p>Comparing & Scaling</p> <p>ACE Problems</p> <p>Math Reflections Inv</p> <p>Math Notebook</p>
<p>Student is able to reason about situations using knowledge of ratios.</p>	<p>Student can use a written ratio to solve a problem.</p> <p>Student can write a comparison statement.</p>	<p>Student can analyze different comparison statements, explaining how the statements relate to the problem or how they statements do not relate to the problem.</p>	<p>Comparing & Scaling</p> <p>ACE Problems</p> <p>Math Reflections Inv</p> <p>Math Notebook</p>
<p>Student is able to find and interpret unit rates.</p>	<p>Student can find a unit rate.</p> <p>Student can explain what the unit rate means in terms of the problem.</p>	<p>Student can use the unit rate to make a judgment on the best value between two products or decide which drink has more concentrate.</p>	<p>Comparing & Scaling</p> <p>ACE Problems</p> <p>Math Reflections Inv.</p> <p>Math Notebook</p>
<p>Student is able to set up and solve basic proportions.</p>	<p>Student can define proportion.</p> <p>Student is able to set up and solve a basic proportion.</p>	<p>Student can solve complex proportions.</p> <p>Student can use proportions in a problem solving context.</p>	<p>Comparing & Scaling</p> <p>ACE Problems</p> <p>Math Reflections Inv</p> <p>Math Notebook</p>