

**5th Grade Report Card Rubric**  
**Mathematics**  
**Marking Period 2**

	<u>1</u> <b>Not Meeting Standard</b>	<u>2</u> <b>Approaching Standard</b>	<u>3</u> * <b>Meeting Standard</b>	<u>4</u> <b>Exceeding Standard</b>
<b>Unit 3</b>  <b>Understands and applies concepts</b>	Student rarely meets the expectations.	Student sometimes meets the expectations.	<ul style="list-style-type: none"> <li>● Solves number stories involving whole number division that leads to fractional answers.</li> <li>● Interprets a fraction as a division of a numerator and denominator.</li> <li>● Uses estimates to reason sums and differences of fractions</li> <li>● Adds and subtracts fractions with unlike denominators.</li> </ul>	<ul style="list-style-type: none"> <li>● Extends mathematical concepts from unit skills independently.</li> <li>● Demonstrates the ability to analyze, evaluate and/or synthesize solutions and justify choices in relation to the larger concept.</li> </ul>
<b>Unit 4</b>  <b>Understands and applies concepts</b>	Student rarely meets the expectations.	Student sometimes meets the expectations.	<ul style="list-style-type: none"> <li>● Understands the relationship between places in multi- digit numbers.</li> <li>● Reads and writes decimals using numerals and number names.</li> <li>● Compares and orders decimals Adds and subtracts decimals</li> <li>● Understands and uses Cartesian coordinate grid in two dimensions.</li> </ul>	<ul style="list-style-type: none"> <li>● Understands the relationship between places in multi- digit numbers.</li> <li>● Reads and writes decimals using numerals and number names.</li> <li>● Compares and orders decimals.</li> <li>● Adds and subtracts decimals.</li> <li>● Understands and uses.</li> <li>● Cartesian coordinate grid in two dimensions.</li> </ul>

<p><b>Unit 5</b></p> <p><b>Understands and applies concepts</b></p>	<p>Student rarely meets the expectations.</p>	<p>Student sometimes meets the expectations.</p>	<ul style="list-style-type: none"> <li>● Adds and subtracts fractions with unlike denominators.</li> <li>● Adds and subtracts mixed numbers with unlike denominators.</li> <li>● Multiplies fractions by whole numbers.</li> <li>● Multiplies fractions by fractions Interprets <math>(1/b) \times q</math> as 1 part of a partition of <math>q</math> into <math>b</math> equal parts."</li> <li>● Interprets <math>(a/b) \times q</math> as a parts of a partition of <math>q</math> into <math>b</math> equal parts.</li> <li>● Solve real-world problems involving fraction multiplication.</li> </ul>	<ul style="list-style-type: none"> <li>● Extends mathematical concepts from unit skills independently.</li> <li>● Demonstrates the ability to analyze, evaluate and/or synthesize solutions and justify choices in relation to the larger concept.</li> </ul>
<p><b>Unit 6</b></p> <p><b>Understands and applies concepts</b></p>	<p>Student rarely meets the expectations.</p>	<p>Student sometimes meets the expectations.</p>	<ul style="list-style-type: none"> <li>● Multiplies or divide decimals by powers of 10; explain the decimal-point placement in the answer.</li> <li>● Converts among measurement units within the same system.</li> <li>● Uses measurement conversions to solve multi-step, real-world problems.</li> <li>● Adds and subtracts mixed numbers with unlike denominators.</li> <li>● Organizes and represents data</li> </ul>	<ul style="list-style-type: none"> <li>● Extends mathematical concepts from unit skills independently.</li> <li>● Demonstrates the ability to analyze, evaluate and/or synthesize solutions and justify choices in relation to the larger concept.</li> </ul>

			<p>on line plots.</p> <ul style="list-style-type: none"> <li>• Solves problems involving fractional data on line plots.</li> </ul>	
<b>Communicates mathematical thinking</b>	Student rarely meets the expectations.	Student sometimes meets the expectations.	<ul style="list-style-type: none"> <li>• Communicates mathematical thinking through concise and clear verbal or written expression.</li> </ul>	<ul style="list-style-type: none"> <li>• Communicates mathematical information in an accurate and unique manner, demonstrating comprehensive understanding of the material which may include connections to other places this skill can be used.</li> </ul>
<b>Applies problem solving skills</b>	Student rarely meets the expectations.	Student sometimes meets the expectations.	<ul style="list-style-type: none"> <li>• Uses problem solving skills to solve and show solutions to multi step word problems.</li> </ul>	<ul style="list-style-type: none"> <li>• Extends mathematical concepts from unit skills in an accurate and unique manner to solve problems.</li> <li>• Demonstrates the ability to analyze, evaluate and/or synthesize solutions and justify choices in relation to the larger concept.</li> </ul>
<b>Computes Accurately</b>	Student rarely meets the expectations.	Student sometimes meets the expectations.	<ul style="list-style-type: none"> <li>• Demonstrates proficiency in all areas of computation including: addition, subtraction, multiplication and division of whole numbers and fractions and decimals.</li> </ul>	<ul style="list-style-type: none"> <li>• Computes accurately using advanced and creative groupings in multi-digit computation.</li> </ul>