

5th Grade Report Card Rubric

Mathematics

Marking Period 3

Units 6-8			
1	2	3	4
Understands and applies concepts			
Unit 6			
<ul style="list-style-type: none">• Student rarely meets the expectations.	<ul style="list-style-type: none">• Student sometimes meets the expectations.	<ul style="list-style-type: none">• Multiplies or divides decimals by powers of 10; explain the decimal-point placement in the answer.• Converts among measurement units within the same system.• Uses measurement conversions to solve multi-step, real-world problems.• Adds and subtracts mixed numbers with unlike denominators.• Organizes and represent data on line plots.• Solves problems involving fractional data on line plots.	<ul style="list-style-type: none">• Extends mathematical concepts from unit skills independently.• Demonstrates the ability to analyze, evaluate and/or synthesize solutions and justify choices in relation to the larger concept.
Unit 7			
<ul style="list-style-type: none">• Student rarely meets the expectations.	<ul style="list-style-type: none">• Student sometimes meets the expectations.	<ul style="list-style-type: none">• Multiplies mixed numbers by whole numbers, fractions, and mixed numbers.• Finds the areas of rectangles with fractional side lengths by multiplying.• Represents fraction products as rectangular areas.• Interprets division of a unit fraction by a nonzero whole number and find quotients.• Understands that shapes in a subcategory have all the attributes of shapes in the parent category.• Classifies 2-dimensional figures in a hierarchy based on properties.• Understands that shapes in a subcategory have all the attributes of shapes in the parent category.• Forms ordered pairs from corresponding terms of patterns and graph them.• Understands and uses a Cartesian coordinate grid in two dimensions.	<ul style="list-style-type: none">• Extends mathematical concepts from unit skills independently.• Demonstrates the ability to analyze, evaluate and/or synthesize solutions and justify choices in relation to the larger concept.

Unit 8			
<ul style="list-style-type: none"> • Student rarely meets the expectations. 	<ul style="list-style-type: none"> • Student sometimes meets the expectations. 	<ul style="list-style-type: none"> • Multiplies mixed numbers by whole numbers, fractions, and mixed numbers. • Finds the areas of rectangles with fractional side lengths by multiplying. • Explains the effects of multiplying by fractions greater than 1 or less than 1. • Explains the effects of multiplying by fractions greater than 1 or less than 1. • Uses place-value understanding to round decimals to any place. • Multiplies whole numbers by powers of 10; explain the number of zeros in the product. • Multiplies or divides decimals by powers of 10; explain the decimal-point placement in the answer. 	<ul style="list-style-type: none"> • Extends mathematical concepts from unit skills independently. • Demonstrates the ability to analyze, evaluate and/or synthesize solutions and justify choices in relation to the larger concept.
Communicates mathematical thinking			
<ul style="list-style-type: none"> • Student rarely meets the expectations. 	<ul style="list-style-type: none"> • Student sometimes meets the expectations. 	<ul style="list-style-type: none"> • Communicates mathematical thinking through concise and clear verbal or written expression. 	<ul style="list-style-type: none"> • Communicates mathematical information in an accurate and unique manor, demonstrating comprehensive understanding of the material which may include connections to other places this skill can be used.
Applies problem solving skills			
<ul style="list-style-type: none"> • Student rarely meets the expectations. 	<ul style="list-style-type: none"> • Student sometimes meets the expectations. 	<ul style="list-style-type: none"> • Uses problem solving skills to solve and show solution to multi-step word problems. 	<ul style="list-style-type: none"> • Extends mathematical concepts from unit skills in an accurate and unique manor to solve problems. • Demonstrates the ability to analyze, evaluate and/or synthesize solutions and justify choices in relation to the larger concept
Computes Accurately			
<ul style="list-style-type: none"> • Student rarely meets the expectations. 	<ul style="list-style-type: none"> • Student sometimes meets the expectations. 	<ul style="list-style-type: none"> • Demonstrates proficiency in all areas of computation including: addition, subtraction, multiplication and division of whole numbers and fractions and decimals. 	<ul style="list-style-type: none"> • Computes accurately using advanced and creative groupings in multi-digit computation