

Student: _____

Sample Rubric for Fourth Grade Numbers and Operations Georgia Performance Standards

Directions: Enter dates in the box as you move through the unit and examine proof of understanding. You may want to also include a brief description of example.

M4N1. Students will further develop their understanding of how whole numbers are represented in the base-ten numeration system.

Element of Standard	No	In progress	Yes
a. Identify place value names and places from hundredths through one million.			
b. Equate a number's word name, its standard form, and its expanded form.			

Student: Meets standard: _____
 Does not meet standard _____

M4N2. Students will understand and apply the concept of rounding numbers.

Element of Standard	No	In progress	Yes
a. Round numbers to the nearest ten, hundred, or thousand.			
b. Describe situations in which rounding numbers would be appropriate and determine whether to round to the nearest ten, hundred, or thousand.			
c. Understand meanings of rounding a decimal to the nearest whole number.			
d. Represent the results of computation as a rounded number when appropriate and estimate a sum or difference by rounding numbers.			

Student: Meets standard _____
 Does not meet standard _____

M4N3. Students will solve problems involving multiplication of 2-3 digit numbers by 1-2 digit numbers.

Standard	No	In progress	Yes
Stated above			

Student: Meets standard _____
 Does not meet standard _____

M4N4. Students will further develop their understanding of division of whole numbers and divide in problem-solving situations without calculators.

Element of Standard	No	In progress	Yes
a. Know the division facts with understanding and fluency.			
b. Solve problems involving division by a 2-digit number (include those that generate a remainder).			
c. Understand the relationship between dividend, divisor, quotient, and remainder.			
d. Understand and explain the effect on the quotient of multiplying or dividing both the divisor and dividend by the same number (2050/50 yields the same answer as 205/5).			

Student: Meets standard _____
 Does not meet standard _____

M4N5. Students will further develop their understanding of the meaning of decimals and use them in computations.

Element of Standard	No	In progress	Yes
a. Understand decimals are a part of the base-ten system.			
b. Understand the relative size of numbers and order two digit decimals.			
c. Add and subtract both one and two digit decimals.			
d. Model multiplication and division of decimals by whole numbers.			
e. Multiply and divide both one and two-digit decimals by whole numbers.			

Student: Meets standard _____
 Does not meet standard _____

M4N6. Students will further develop their understanding of the meaning of common fractions and use them in computations.

Element of Standard	No	In progress	Yes
a. Understand representations of simple equivalent fractions.			
b. Add and subtract fractions and mixed numbers with common denominators. (Denominators should not exceed twelve.)			
c. Convert and use mixed numbers and improper fractions interchangeably.			

Student: Meets standard _____
 Does not meet standard _____

M4N7. Students will explain and use properties of the four arithmetic operations to solve and check problems.

Element of Standard	No	In progress	Yes
a. Describe situations in which the four operations may be used and the relationships among them.			
b. Compute using the order of operations, including parentheses.			
c. Compute using the commutative, associative, and distributive properties.			
d. Use mental math and estimation strategies to compute.			