Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In 2000, Northwest Arkansas had a population of 362,501. In the 2010 census, the population of Northwest Arkansas had increased to 583,607.

1. What are the values of the 5’s in each number?
2. How many times greater is the value of the digit 5 in 583,607 than the value of the digit 5 in the 362,501? Explain your answer in the space below by using words and/or numbers.

**5.NBT.1** Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left.

Rubric:

1. The value of 5 in 583,607 is 500,000. 1 point

The value of 5 in 362,501 is 500. 1 point

1. Answer of 1,000 times greater 1 point

Explanation 1 point

Possible explanations:

500,000÷500 = 1,000 times greater

583,607 362,501

103

500 x 1000=500,000