Name: Jack  Date: __________

1. Compare the values of each 7 in the number 771,548. Use a picture, numbers, or words to explain.

   The 7 in the hundred thousands place is ten times the value of the 7 in the ten thousands place.
   
   \[ 10 \times 70,000 = 700,000 \]

2. Compare using >, <, or =. Write your answer inside the circle.

   a. 234 thousands + 7 ten thousands \( \bigcirc \) 241,000
   
   \[
   \begin{array}{c}
   234,000 \\
   + 70,000 \\
   \hline
   304,000
   \end{array}
   \]

   b. 4 hundred thousands – 2 thousands \( \bigcirc \) 200,000
   
   \[
   \begin{array}{c}
   400,000 \\
   - 2,000 \\
   \hline
   398,000
   \end{array}
   \]

   c. 1 million \( = \) 4 hundred thousands + 6 hundred thousands
   
   \[
   \begin{array}{c}
   400,000 \\
   + 600,000 \\
   \hline
   1000,000
   \end{array}
   \]

   d. 709 thousands – 1 hundred thousand \( \bigcirc \) 708 thousands
   
   \[
   \begin{array}{c}
   709,000 \\
   - 100,000 \\
   \hline
   609,000
   \end{array}
   \]
3. Norfolk, VA has a population of 242,628 people. Baltimore, MD has 376,865 more people than Norfolk. Charleston, SC has 496,804 less people than Baltimore.

a. What is the total population of all three cities? Draw a tape diagram to model the word problem. Then solve the problem.

   \[
   \text{Norfolk} \quad 242,628 \quad \text{Baltimore} \quad \frac{376,865}{242,628 + 376,865} = \text{Charleston} \quad 496,804
   \]

   \[\text{The total population of all three cities is 984,810.}\]

b. Round to the nearest hundred thousand to check the reasonableness of your answer for the population of Charleston, SC.

   Baltimore’s population rounded to the nearest hundred thousand is 600,000
   Charleston’s population is about 500,000 less than Baltimore’s population
   \[600,000 - 500,000 = 100,000.\]
   The answer of 122,689 for the population of Charleston is reasonable because 122,689 rounded to the nearest hundred thousand is 100,000.

c. Record each city’s population in numbers, in words, and in expanded form.

   "Baltimore: 619,493 six hundred nineteen thousand, four hundred ninety-three
   \[600,000 + 10,000 + 9,000 + 400 + 90 + 3\]
   "Norfolk: 242,628 two hundred forty-two thousand, six hundred twenty-eight
   \[200,000 + 40,000 + 2,000 + 600 + 20 + 8\]
   "Charleston: 122,689 one hundred twenty-two thousand, six hundred eighty-nine
   \[100,000 + 20,000 + 2,000 + 600 + 80 + 9\]

d. Compare the population of Norfolk and Charleston using >, <, or =.

   Norfolk: 242,628
   Charleston: 122,689
   \[242,628 > 122,689\]

e. Eddie lives in Fredericksburg, VA, which has a population of 24,286. He says that Norfolk’s population is about 10 times as large as Fredericksburg’s population. Explain Eddie’s thinking.

   Eddie's thinking is correct because Norfolk's population is 242,628 which can be rounded to 240,000. Fredericksburg’s population can be rounded to 24,000. 240 thousands is ten times as large as 24 thousands.