Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd\_\_\_\_\_\_\_\_

**Test Review - Chapter 3**

**5th Grade Critical Thinking in Mathematics**

Directions: Practice the following problems to prepare for the test that we will take on October 25th. Please come to backwork if you have any trouble with these. I will be available for extra help Thursday (10/20) and Monday (10/24). Good luck!

1. For parts a, b, and c, create a decimal using the each digit only once: **5, 3,** and **1**.
2. What is the greatest possible decimal greater than 3 but less than 5? \_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What is the greatest possible decimal greater than 1 but less than 3? \_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What is the least possible decimal greater than 0 but less than 1? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write the answer to part **c** in word form:

|  |  |
| --- | --- |
| Rex | 58.316 inches |
| Jamie | 58.3 inches |
| Clark | 58.298 inches |
| Gail | 58.38 inches |

1. Compare the heights of these children.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is tallest.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is shortest.

How much shorter is the shortest child than the second-shortest child?

1. Write decimals that are higher and lower than the given number.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ < 0.10204 < \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Order the following numbers from least to greatest. Write them on the lines.

0.035

0.16

six hundredths

(.3)+(.09)

one tenth

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Kim has more money than Saul but less than Jill. Mike has three times as much as Nate. The amounts are $1.17, $1.16, $0.39, $2.18, and $1.86. How much does each person have?
2. Write four numbers that round to 2.39.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Bret has seven coins with a total value of $0.96. How many quarters, dimes, nickels, and pennies does he have?

|  |  |  |
| --- | --- | --- |
| 3.9 | 2 | 3.10 |
| 0.3 | 0.6 | 2.1 |
| 2.20 | 3 | 0.15 |
| 1 | 0.55 | 1.80 |

1. Pick three numbers from the chart whose sum is greater than 5 but less than 5.5. Circle them in the box. Show your work.
2. You have $209.15 in your bank account. You then spend money at three shops at the Forum. At Barnes and Noble you spend $14. At Shenanigan Toys you spend $12.29. At Gigi's Cupcakes you spend $3.58. How much money do you still have in your account?
3. Can you name the mystery number? Answer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Clue 1: I have four digits and they are all different.

Clue 2: The digit in the hundredths place is one more than the digit in the tenths place.

Clue 3: The digit in the tenths place is the number of months in one quarter of a year.

Clue 4: The digit in the tens place is twice the number in the ones place.

Clue 5: The digit in the ones place is equal to the difference between any two consecutive (in a row) numbers.