**4th Grade: Unit 4 PRE-Test**

**Jeff’s number**

54,329

**Steve’s number**

95,234

**Consider Jeff and Steve’s numbers:**

**Which statement(s) are true statements?**

 4.NBT.1

1) The 3 in Jeff’s number has 10 times the value of the 3 in Steve’s number. Yes No

2) The 5 in Jeff’s number has 10 times the value of the 5 in Steve’s number. Yes No

3) The 2 in Jeff’s number has 10 times the value of the 2 in Steve’s number. Yes No

4) **Samar wrote the number 21,350.** 4.NBT.1

Jamel wrote a five-digit number that has only one 5 in it. The 5 in Jamel’s number is worth 10 times as much as the 5 in Samar’s number. Write a number that Jamel could have written.

Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) **How is the number 2 in the number 3,582 different from the 2 in the number 1,628?**  4.NBT.1

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**Which statement(s) are true?**  4.NF.6

6) $\frac{17}{100}$ = 0.17 Yes No

7) 0.38 = $\frac{38}{1000}$ Yes No

8) $\frac{4}{10}$ = 0.04 Yes No

9) **Write the following numbers in order from smallest to largest**. 4.NF.6/4.NF.7

0.003, 4.4, 4.07, 0.8, 0.08, 0.2

\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_

 Smallest Largest

**Mr. Ali asked his students to write 0.60 as a fraction. Cory wrote 6/10. Shima wrote 60/100. Explain how both students are correct. Use words and a pictorial model to explain your answer.** 4.NF.6

10) **Pictorial Model**.

  

Cory

Shima

11) **Explanation:** ­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Which comparison statements are true.** 4.NF.7

12) 2.7 $>$ 2.72 Yes No

13) 14.95 $<$ 14.59 Yes No

14) 5.5 + 4.6 $<$ 3.3 + 7.6 Yes No

15) **Represent the decimals on the grids.** 4.NF.7



0.4 0.32

16) **Compare the two decimals using the symbols <, >, or =.** 4.NF.7

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17) **Explain your reasoning on the lines below.** 4.NF.7

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**Determine if the following measurements are correct.**  4.MD.1

18) Is 40cm = 400 mm Yes No

19) Is 14.6m = 1,460 cm Yes No

20) Is 6 m = 600 mm Yes No

21) **Fill in the grid below.**  4.MD.1

|  |  |
| --- | --- |
| **Feet** | **Inches** |
| 1 | 12 inches |
|  | 36 inches |
| 6 |  |

**Domenic and Jake measured their height for the basketball program. They each used a different measurement tool, and then recorded their heights in the chart below.** 4.MD.1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Student** | Domenic | Jake |  |
|  | **Height** | 49 in. | 4 ft. 3 inches |  |

22) **Write each boy’s name in the comparison sentence to show which boy is taller.**

 4.MD.1

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ $>$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

23) **Explain how you figured out which boy was the taller.** 4.MD.1

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