

(Recommended points)

Key

4th Grade: Unit 4 PRE-Test

Consider Jeff and Steve's numbers:

Which statement(s) are true statements?

Jeff's number

54,329

Steve's number

95,234

4.NBT.1

- 1pt 1) The 3 in Jeff's number has 10 times the value of the 3 in Steve's number. ☒ Yes ☐ No
- 1pt 2) The 5 in Jeff's number has 10 times the value of the 5 in Steve's number. ☒ Yes ☐ No
- 1pt 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

1pt 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: 31,500

(Ans. will vary but 5 must be in the hundred place)

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

4.NBT.1

2pt The two in 3,582 has a value of 2.
The two in 1,628 has a value of 20 which
is ten times the value of 2.

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

1pt

0.003, 4.4, 4.07, 0.8, 0.08, 0.2

0.003, 0.08, 0.2, 0.8, 4.07, 4.4

Smallest

Largest

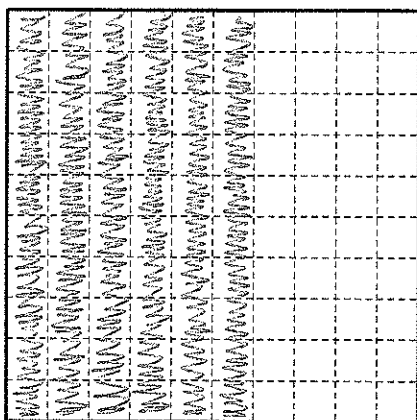
Mr. Ali asked his students to write 0.60 as a fraction. Cory wrote $\frac{6}{10}$. Shima wrote $\frac{60}{100}$. Explain how both students are correct. Use words and a pictorial model to explain your answer.

4.NF.6

10) Pictorial Model.

2pt

Cory



Shima

11) Explanation:

2pt

Cory and Shima are both
correct. $\frac{6}{10}$ and $\frac{60}{100}$ are equivalent
fractions and both have the same value.

Which comparison statements are true.

4.NF.7

- 12) 2.7 > 2.72
1pt
13) 14.95 < 14.59
1pt
14) 5.5 + 4.6 < 3.3 + 7.6
1pt

Yes

No

Yes

No

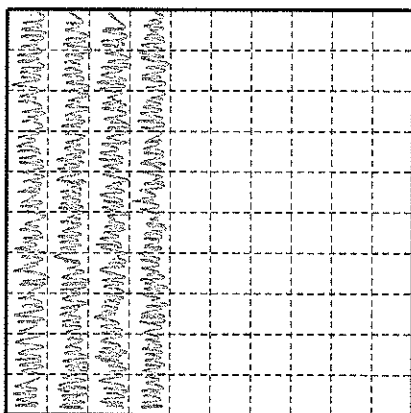
Yes

No

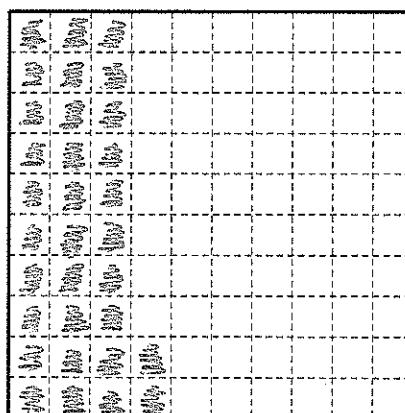
15) Represent the decimals on the grids.

4.NF.7

2pt



0.4



0.32

16) Compare the two decimals using the symbols <, >, or =.

4.NF.7

1pt

0.4 > 0.32

17) Explain your reasoning on the lines below.

4.NF.7

2pt 0.4 is equivalent to 0.40 and therefore
is larger than 0.32.

Determine if the following measurements are correct.

4.MD.1

1pt 18) Is $40\text{cm} = 400\text{ mm}$

Yes

No

1pt 19) Is $14.6\text{m} = 1,460\text{ cm}$

Yes

No

1pt 20) Is $6\text{ m} = 600\text{ mm}$

Yes

No

21) Fill in the grid below.

4.MD.1

1pt

Feet	Inches
1	12 inches
3	36 inches
6	72 inches

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

1pt

Jake's height > Domenic's height

23) Explain how you figured out which boy was the taller.

4.MD.1

2pt

I converted 49 in. into feet. I know
there are 12 inches in a foot so Domenic's
height is 4ft and 1inch.