

HW # 1.2

Name: _____

Place the following fractions, decimals and percentages in ascending order:

Question 1: 0.3, $\frac{1}{5}$, $\frac{1}{2}$, 0.706, $\frac{7}{8}$, 57.1%

Question 2: 0.9, 38.5%, $\frac{1}{4}$, $\frac{2}{3}$, $\frac{3}{5}$, 0.824

Question 3: $\frac{1}{6}$, $\frac{1}{2}$, 0.4, 0.294, $\frac{1}{3}$, 38.5%

Question 4: 0.105, $\frac{1}{2}$, 7.7%, 0.9, $\frac{1}{4}$, $\frac{1}{8}$

5.) Which is greater: 5.7 or 5.18? _____

6.) Which is smaller: 2.06 or 2.6? _____

7.) The decimal number 9.162 is greater than 9.17. True or False? _____

8.) The decimal number 0.175 is less than 0.2. True or False? _____

9.) Circle the smallest number: 125%, .02, 3%, 1.45%, 1.05, .04

16. Place the following five numbers in order from least to greatest. What number is the middle number?

$$0.098, \frac{8}{13}, 0.727, \frac{12}{17}, \frac{1}{6}$$

17. Identify the largest rational number and the smallest rational number in the following set of numbers:

$$\frac{1}{100}, 0.103, 1.045, 0.347, 0.266$$

18. Identify the two smallest rational numbers in the following set of numbers:

$$\frac{2}{3}, \frac{3}{5}, 0.827, 75\%, 0.491$$

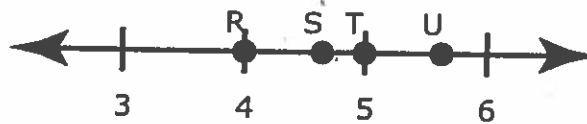
19. Write the following rational numbers in ascending order:

$$\frac{3}{7}, 54.5\%, \frac{3}{4}, 0.33, \frac{3}{8}$$

20. Identify the two largest rational numbers in the following set of numbers:

$$\frac{2}{50}, 0.992, \frac{3}{25}, \frac{1}{22}, 8.3\%$$

21. Which point on the number line best represents $\sqrt{24}$?



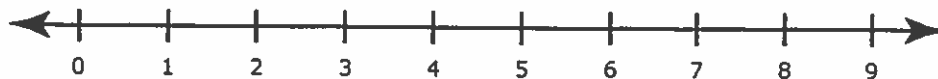
A R

B S

C T

D U

22. Thomas wants to put $\sqrt{9.6}$ on the number line below. Which pair of consecutive integers should Thomas put $\sqrt{9.6}$ between?



A 2 and 3

B 3 and 4

C 8 and 9

D 9 and 10