

Table Number: _____

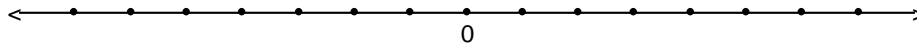
Group Name: _____

Group Members: _____

Ordering Fractions and Decimals; Inequality Vocabulary

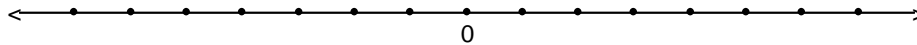
ORDERING NUMBERS ON THE NUMBER LINE and DISTANCE

1. Plot the following numbers on the number line below. Be sure to label the points with the given letters.
 $A=2$, $B=1$, $C=4$



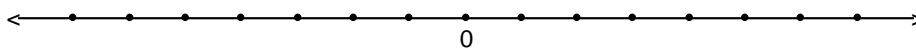
2. Using your number line above, find the distance between the following: (Show your calculations!)
- a) A and C
 - b) B and C
 - c) A and B

3. Plot the following numbers on the number line below. Be sure to label the points with the given letters.
 $A=-60$, $B=100$, $C=72$



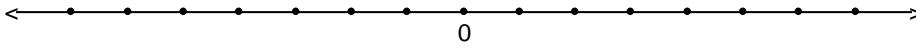
4. Using your number line above, find the distance between the following: (Show your calculations!)
- a) A and C
 - b) B and C
 - c) A and B

5. Plot the following numbers on the number line below. Be sure to label the points with the given letters.
 $A=0.5$, $B=0.9$, $C=1.2$, $D=-2.2$



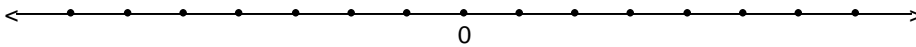
6. Using your number line, find the distance between the following: (Show your calculations!)
- a) A and D
 - b) B and D
 - c) D and C
 - d) A and C

7. Plot the following numbers on the number line below. Be sure to label the points with the given letters.
 $A = -1.1$, $B = 2.3$, $C = -3.4$



8. Using your number line, find the distance between the following: (Show your calculations!)
- A and C
 - B and C
 - A and B

9. Plot the following numbers on the number line below. Be sure to label the points with the given letters.
 $A = 400$, $B = 2.3$, $C = -3.4$

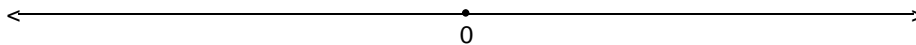


10. Using your number line, find the distance between the following: (Show your calculations!)
- A and D
 - B and C
 - A and C
 - B and D

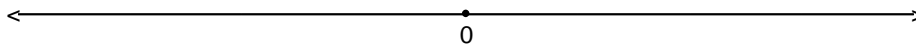
ORDERING NUMBERS ON THE NUMBER LINE PART B

For each set of four numbers, place the numbers in proper order on the given number line. Be sure to label your points.

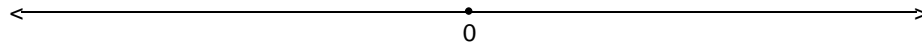
11. $\left\{ 0.5, \frac{1}{3}, 0.6, \frac{7}{11} \right\}$



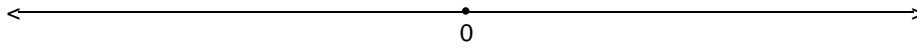
12. $\left\{ \frac{1}{4}, \frac{3}{8}, 0.24, \frac{1}{5} \right\}$



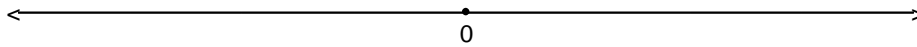
13. $\left\{\frac{1}{3}, 0.31, \frac{3}{4}, \frac{5}{6}\right\}$



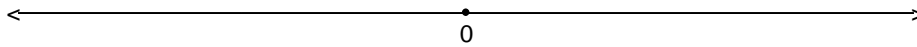
14. $\left\{0.11, -0.7, -\frac{3}{5}, \frac{1}{9}\right\}$



15. $\left\{\frac{2}{3}, -0.15, -\frac{2}{4}, \frac{4}{7}\right\}$



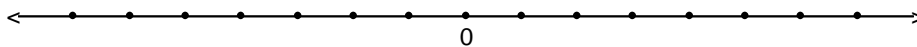
16. $\left\{0.82, \frac{8}{11}, \frac{3}{2}, 1.25\right\}$



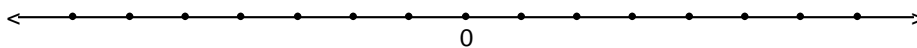
INEQUALITIES ON THE NUMBER LINE AND INTERVAL NOTATION

Plot each of the following inequalities on the given number line, then write each inequality as an interval below the number line.

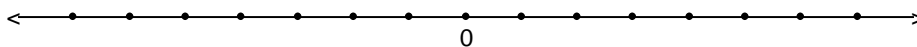
17. $x \geq 5$



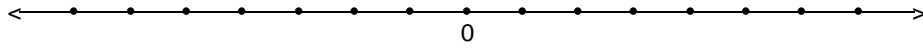
18. $1 < t$



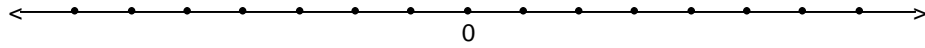
19. $0 < t \leq 4$



20. $3 < b \leq 7$



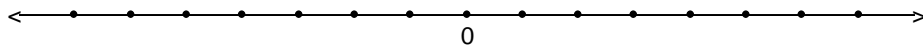
21. $-3 < x < 5$



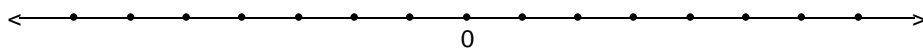
INEQUALITIES – PRACTICE READING THE WORDS!

Show the numbers satisfying each of the following phrases on the number line given, then write the phrase as an inequality and also using interval notation.

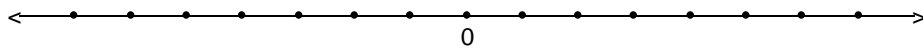
22. "x is more than 5"



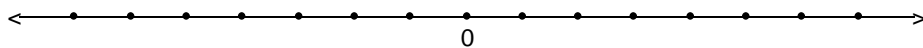
23. "x is less than or equal to 3"



24. "x is at least 2"



25. "x is no more than 1"



PRACTICE WITH HISTOGRAMS

The table below gives the salaries in thousands of dollars of the employees in a small company.

12	14	14	14	16	18
20	20	21	23	27	27
27	29	31	31	32	32
34	36	40	40	40	40
40	42	51	56	60	65

26. Count how many data points are located inside each class and complete the table below. **Remember, by the Right Hand Rule, to include the right endpoint in the **next larger** class.**

Classes	Frequency
12-21	
21-30	
30-39	
39-48	
48-57	
57-66	

27. Use the information from the table to help you create a histogram in the space below.

