Math 6+ Integers & Rationals Study Guide

**Use the number line to find the values of each letter. (NS 6.C)** 

**Write as a percent. Put a % at the end. (NS 6. C)**

1. \_\_\_\_\_\_\_\_ 0.06
2. \_\_\_\_\_\_\_\_ 3.2
3. \_\_\_\_\_\_\_\_ 1

**Place the following numbers on the number line in their approximate locations. (NS 6. C)**

8)

$$-\frac{4}{8} \frac{2}{4} - 1.25 -\frac{8}{6} 1.65 -|-\frac{2}{5}|$$



**Write an integer to represent the story. Positives and negatives are important. (NS. 5)**

9) \_\_\_\_\_\_\_\_ Depositing $10 in the bank

10)\_\_\_\_\_\_\_\_ Growing 4 inches

11)\_\_\_\_\_\_\_\_ 25 degrees below zero

12)\_\_\_\_\_\_\_\_ Spending $40 on a t-shirt

**Order from least to greatest. (NS. 7.A)**

13)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 0.333, $$\frac{26}{50}$$

, 0.5$$, \frac{3}{4}$$

14)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 0.25, $$\frac{1}{15}$$

, 0.15, $$\frac{1}{8}$$

**Compare using <, >, or =. (NS.7.A)**

15) 6 \_\_\_\_\_\_\_\_ |-6|

16) -7 \_\_\_\_\_\_\_\_ -8

17) 3 \_\_\_\_\_\_\_\_ -3

**(NS.7.C)**

18)\_\_\_\_\_\_\_\_ What is the opposite of 62?

19)\_\_\_\_\_\_\_\_ What is the opposite of -71?

20)\_\_\_\_\_\_\_\_ What is the absolute value of -13?

21)\_\_\_\_\_\_\_\_ What is -|-8|?

22)\_\_\_\_\_\_\_\_ What is -|12|?