

Name: \_\_\_\_\_

### Ordering Integers

What is an integer?

The set of all whole numbers and their opposites, including zero.

No \_\_\_\_\_ or \_\_\_\_\_

Positive numbers:

Numbers \_\_\_\_\_ than zero.

On a number line, positive numbers are to the \_\_\_\_\_ of zero

Negative numbers:

Numbers \_\_\_\_\_ than zero.

On a number line, negative numbers are to the \_\_\_\_\_ of zero

Zero:

Neither \_\_\_\_\_ or \_\_\_\_\_

Words that mean positive or negative:

<u>Positive</u>	
<u>Negative</u>	
<u>Zero</u>	

Examples:

Use a number line to compare each pair of integers.

Remember: Numbers on a number line increase in value as you move from left to right.

1) -3 ○ -5    2) -22 ○ 0    3) -9 ○ -4    4) 7 ○ -7



Examples:

**Graph the integers on the same number line.**

Then read the numbers left (the smallest) to the right (the largest.)

1. Order from least to greatest:  $-9, -4, 8, 2, -5$



2. Order from greatest to least  $-3, 9, 1, -7, -4$



3. Write in ascending order: (least to greatest)

$-122, -30, 0, 5, 12, -12, -4$

4. Write in descending order: (greatest to least)

$-122, -30, 0, 5, 12, -12, -4$