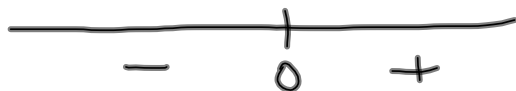


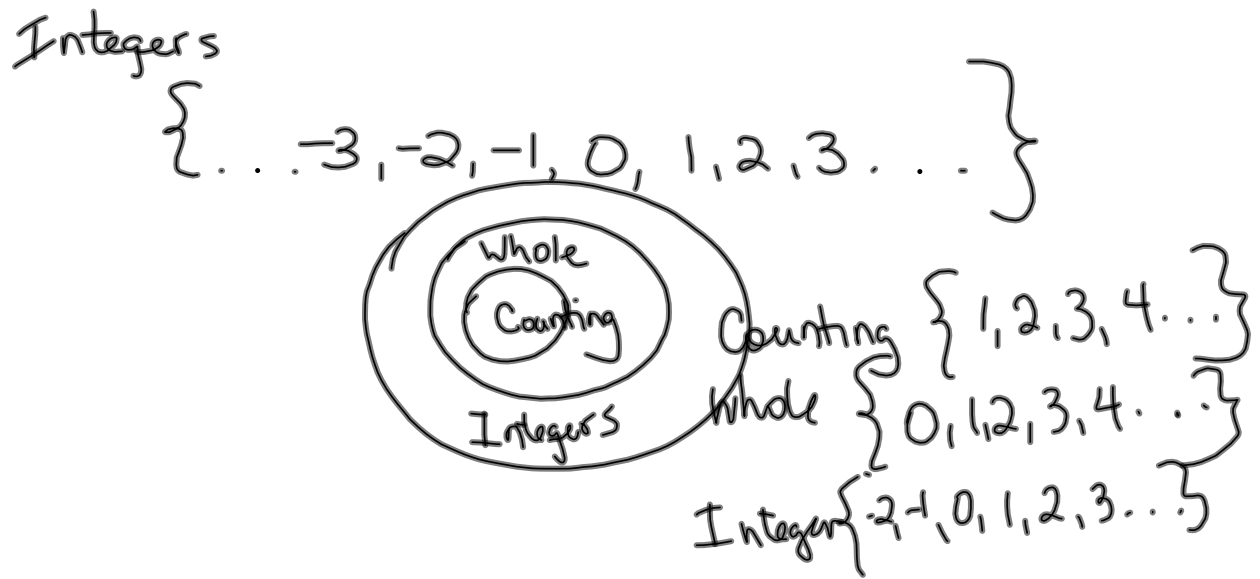
2-1 Integers and Absolute Value

Unit: Operations With Integers



Negative # - less than zero
Positive # - greater than zero





Coordinate - number line point

Inequality - not equal

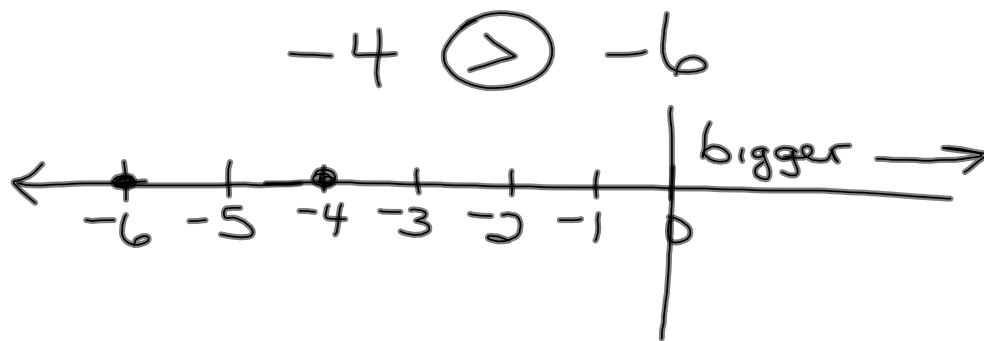
 less than  greater than

Write two
inequalities
relating these
#

1 -2

$$1 > -2$$

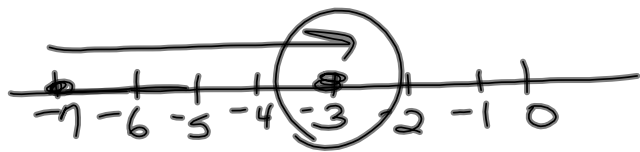
$$-2 < 1$$



-7 and -3

$$-7 < -3$$

$$-3 > -7$$



ex 3: 4, 3, 2, 1, 0, -1, -5, -6
greatest least

absolute value

$$3 = |-3|$$

units

$$|5| = 5$$

The distance to zero
(how far is it?)

Always a Positive #

$$\begin{array}{r} | -8 | - | 5 | \\ 8 - 5 \\ \textcircled{3} \end{array}$$

Evaluate:

What is
the
value
of y ?

$$|y| + 8 \quad \text{if} \quad y = -7$$

$$|-7| + 8 =$$

$$7 + 8 = 15$$

$$y = \textcircled{15}$$