

## Number Lines (6.NS.5, 6.NS.6a)

### Vocabulary:

**Zero** - the center of a number line. It is neither positive or negative.

**Positive Numbers** - Always to the right of zero on the number line.

It can be shown with a + sign or no sign.

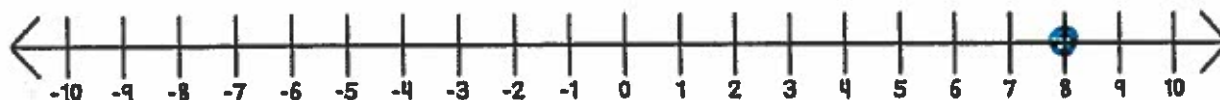
**Negative Numbers** - Always to the left of zero on the number line.

It will be shown with a - sign.

**Opposites** - Two numbers that are equal distance from zero on a number line.

### Integers on Number Lines

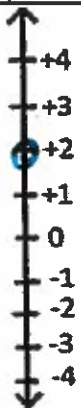
1.) Graph 8 on the number line.



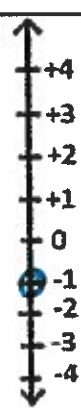
2.) Graph -4 on the number line.



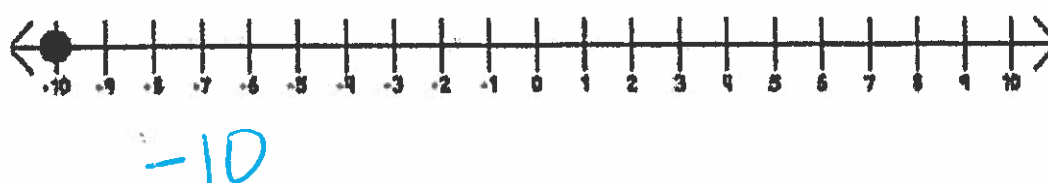
3.) Graph 2 on the number line.



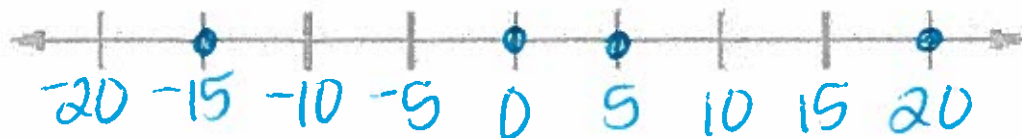
4.) Graph -1 on the number line.



5.) Identify the value of the point on the number line.

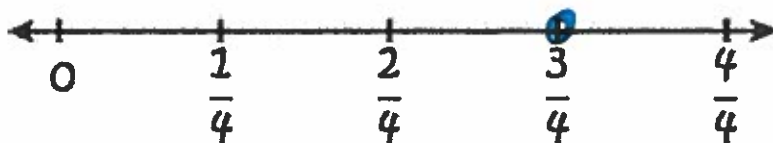


6.) The data set  $\{+5, 0, -15, +20\}$  shows the number of points Delaney scored on each hand of a card game. Graph the scores.

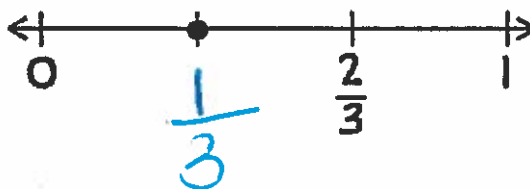


**Rational Numbers on Number Lines**

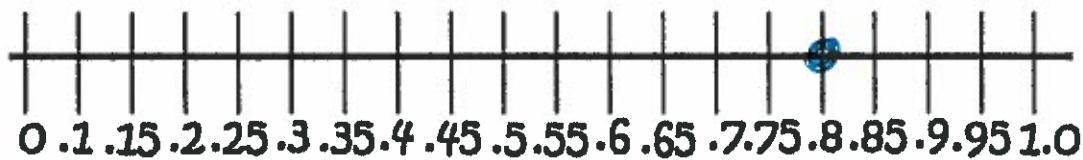
7.) Graph  $\frac{3}{4}$  on the number line.



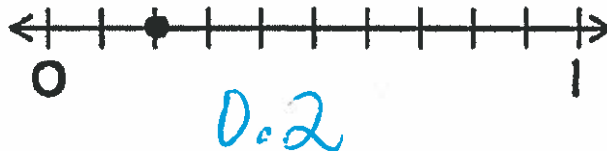
8.) Identify the value of the point as a fraction.



9.) Graph 0.8 on the number line.



10.) Identify the value of the point as a decimal.



**Opposites and Number Lines**

11.) What is the opposite of 3?

$-3$

12.) What is the opposite of the opposite of the  $-3$ ?

$-3$

13.) Graph 5 and its opposite on the number line.

