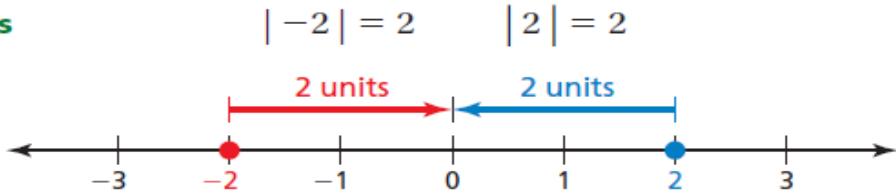
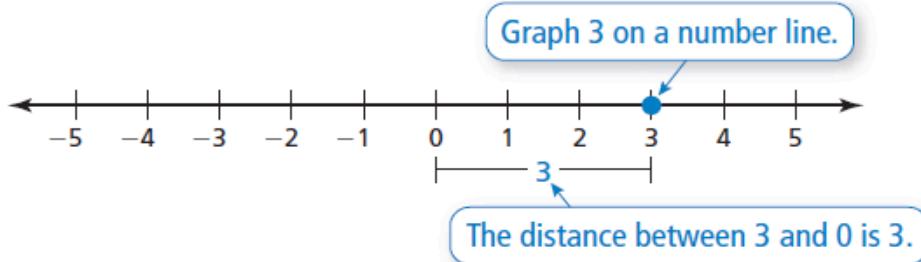



Key Idea
Absolute Value

Words The **absolute value** of a number is the distance between the number and 0 on a number line. The absolute value of a number a is written as $|a|$.

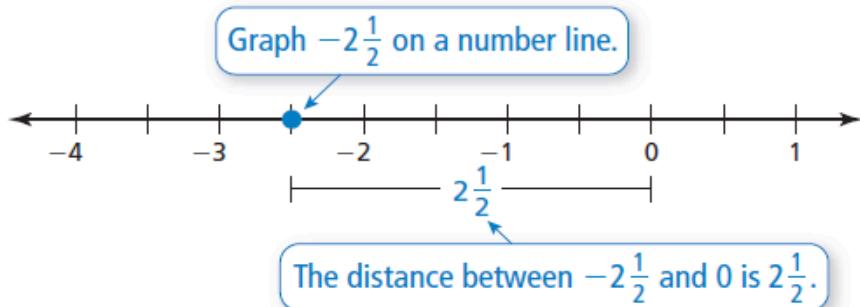
Numbers**Finding Absolute Value**

- a. Find the absolute value of 3.



So, $|3| = 3$.

- b. Find the absolute value of $-2\frac{1}{2}$.



So, $\left|-2\frac{1}{2}\right| = 2\frac{1}{2}$.

Try It Find the absolute value.

1. $|8|$

2. $|-6|$

3. $|0|$

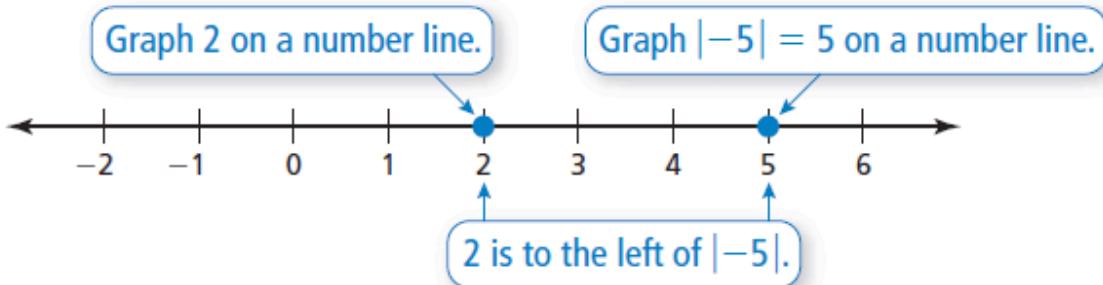
4. $\left|\frac{1}{4}\right|$

5. $\left|-7\frac{1}{3}\right|$

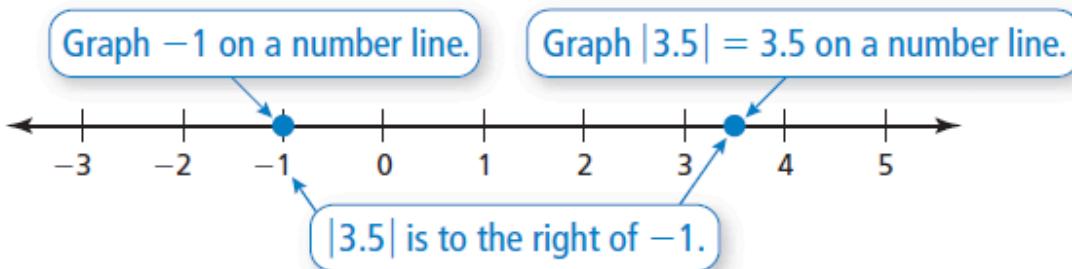
6. $|-12.9|$

Comparing Values

- a. Compare 2 and $|-5|$.



- b. Compare $|3.5|$ and -1 .



So, $|3.5| > -1$.

Try It Copy and complete the statement using $<$, $>$, or $=$.

7. $|-4| \boxed{} -2$

8. $-5 \boxed{} |5|$

9. $|9| \boxed{} 10$

10. $3.9 \boxed{} |-3.9|$

EXAMPLE 3**Modeling Real Life**

Animal	Elevation (feet)
Shark	-4
Sea lion	5
Seagull	56
Shrimp	-65
Turtle	-22

The table shows the elevations of several animals.

a. Which animal is the deepest? Explain.

b. Is the shark or the sea lion closer to sea level?