

7. Find $|-11|$

8. Order these numbers from greatest to least.

$|-12|$, -12 , $|-7|$, -7 , 0 , $|3|$, -3

9. Order these numbers from least to greatest.

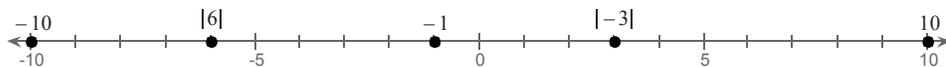
-13 , $|-13|$, -22 , 23 , 0

10. A group of friends dive off a high diving board into the water below. Each friend records their lowest position relative to the surface of the water.

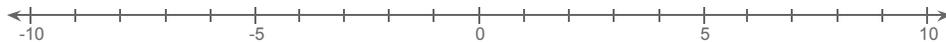
Which diver traveled the farthest under the water?

Dives	
Diver	Lowest Position (ft)
W	-18
X	-3
Y	-12
Z	-8

11. Your friend incorrectly plotted the numbers -10 , -1 , $|6|$, $|-3|$, and 10 on the number line as shown.



a) Plot and label the numbers on a number line correctly.



b) What was your friend's mistake?

- A. Your friend plotted negative numbers to the right of zero, instead of to the left.
- B. Your friend confused the definitions of opposite and absolute value.
- C. Your friend plotted the absolute values as negative numbers.
- D. Your friend plotted two values incorrectly.

c) Order the numbers from greatest to least.

12. **Reasoning** You and a friend dropped two water balloons out a window while another friend watched safely from the ground. The elevation (relative to the window) of the first balloon was -22 ft when it burst. The elevation of the second balloon was -34 ft when it burst. Use $|-22|$ and $|-34|$ to represent the distances the balloons fell.

a) Which balloon fell farther?

b) Is it possible to find how far from the ground the second balloon was when it burst?

- A. Yes, it is the distance between the two balloons when they burst.
- B. Yes, it is two times the distance from the second balloon to the window.
- C. Yes, it is the same as the distance from the second balloon to the window.
- D. No, the distance from the ground to the window is not known.