

Lesson 4.3 Absolute Value

The **absolute value** of a number is its distance from zero.

Absolute value is represented by vertical lines on either side of an integer.

What is the absolute value of 8? $|8| = 8$

What is the absolute value of -8? $|-8| = 8$

Find the absolute value of each integer.

a

1. $|4| = \underline{\hspace{2cm}}$

2. $-|-7| = \underline{\hspace{2cm}}$

3. $-|12| = \underline{\hspace{2cm}}$

4. $|-14| = \underline{\hspace{2cm}}$

5. $|3| = \underline{\hspace{2cm}}$

6. $-|-15| = \underline{\hspace{2cm}}$

7. $|16| = \underline{\hspace{2cm}}$

8. $-|40| = \underline{\hspace{2cm}}$

9. $|33| = \underline{\hspace{2cm}}$

10. $|26| = \underline{\hspace{2cm}}$

11. $-|53| = \underline{\hspace{2cm}}$

12. $|25| = \underline{\hspace{2cm}}$

b

$$|-13| = \underline{\hspace{2cm}}$$

$$|11| = \underline{\hspace{2cm}}$$

$$-|5| = \underline{\hspace{2cm}}$$

$$-|8| = \underline{\hspace{2cm}}$$

$$|-7| = \underline{\hspace{2cm}}$$

$$|9| = \underline{\hspace{2cm}}$$

$$|-6| = \underline{\hspace{2cm}}$$

$$-|-24| = \underline{\hspace{2cm}}$$

$$-|-41| = \underline{\hspace{2cm}}$$

$$|-18| = \underline{\hspace{2cm}}$$

$$|-21| = \underline{\hspace{2cm}}$$

$$-|-21| = \underline{\hspace{2cm}}$$

c

$$-|10| = \underline{\hspace{2cm}}$$

$$|-2| = \underline{\hspace{2cm}}$$

$$|1| = \underline{\hspace{2cm}}$$

$$-|-13| = \underline{\hspace{2cm}}$$

$$-|4| = \underline{\hspace{2cm}}$$

$$|-12| = \underline{\hspace{2cm}}$$

$$-|20| = \underline{\hspace{2cm}}$$

$$|17| = \underline{\hspace{2cm}}$$

$$|-19| = \underline{\hspace{2cm}}$$

$$-|35| = \underline{\hspace{2cm}}$$

$$|30| = \underline{\hspace{2cm}}$$

$$|-47| = \underline{\hspace{2cm}}$$