

# Integers and Absolute Value Assignment

Write an integer to represent each situation.

1. An increase of 11 points.
2. A profit of 400 dollars.
3. The stock market went down 297 points today.
4. 8 units to the left of -4 on a number line.
5. Deposit \$1,556 into a bank account.
6. 20 °C below zero

Graph each integer or set of integers on a number line.

7.  $-5$



8.  $\{-4, -2, 5\}$



9.  $\{-3, -1, 2, 4\}$



Find the opposite of each integer.

10. Opposite of  $-12$
11. Opposite of  $-232$
12. Opposite of  $+55$
13. Opposite of  $-1$
14. Opposite of  $+63$
15. Opposite of  $-18$

# Integers and Absolute Value Assignment

Graph each integer and its opposite on a number line.

16.  $-6$



17.  $1$



18.  $-2$



Compare the following integers. Write  $<$ ,  $=$  or  $>$ .

19.  $23$  \_\_\_  $-32$

20.  $-45$  \_\_\_  $-32$

21.  $-13$  \_\_\_  $-13$

Find the absolute value of the following numbers.

22.  $|-7| =$

23.  $|-27| =$

24.  $|+75| =$

25.  $|-14| =$

26.  $|+197| =$

27.  $|+25| =$

Order the values from least to greatest.

27.  $3, |-13|, 10, -2, |-1|$

28.  $-5, |-15|, |-18|, -1, |-2|$

29.  $|-45| - 3 * |+10| + 9 \div 3 =$

30.  $63 - |-15| \div 3 - |+20| + 18 \div 2 =$

# Integers and Absolute Value Assignment

## ANSWERS

Write an integer to represent each situation.

1. An increase of 11 points.      2. A profit of 400 dollars.      3. The stock market went down 297 points today.

**+11**

**+400**

**-297**

4. 8 units to the left of -4 on a number line.      5. Deposit \$1,556 into a bank account.      6. 20 °C below zero

**-12**

**+1,556**

**-20**

Graph each integer or set of integers on a number line.

7. -5

-5



8. {-4, -2, 5}

{-4, -2, 5}



9. {-3, -1, 2, 4}

{-3, -1, 2, 4}



Find the opposite of each integer.

10. Opposite of -12

**+12**

11. Opposite of -232

**+232**

12. Opposite of +55

**-55**

13. Opposite of -1

**+1**

14. Opposite of +63

**-63**

15. Opposite of -18

**+18**

# Integers and Absolute Value Assignment

Graph each integer and its opposite on a number line.

16.  $-6$   $+6$



17.  $1$   $-1$



18.  $-2$   $+2$



Compare the following integers. Write  $<$ ,  $=$  or  $>$ .

19.  $23$  \_\_\_  $-32$

$23 > -32$

20.  $-45$  \_\_\_  $-32$

$-45 < -32$

21.  $-13$  \_\_\_  $-13$

$-13 = -13$

Find the absolute value of the following numbers.

22.  $|-7| =$

$|-7| = 7$

23.  $|-27| =$

$|-27| = 27$

24.  $|+75| =$

$|+75| = 75$

25.  $|-14| =$

$|-14| = 14$

26.  $|+197| =$

$|+197| = 197$

27.  $|+25| =$

$|+25| = 25$

Order the values from least to greatest.

27.  $3, |-13|, 10, -2, |-1|$

$3, |-13|, 10, -2, |-1|$

$|-13| = 13$      $|-1| = 1$   
 $3, 13, 10, -2, 1$   
 $-2, 1, 3, 10, 13$

$-2, |-1|, 3, 10, |-13|$

28.  $-5, |-15|, |-18|, -1, |-2|$

$-5, |-15|, |-18|, -1, |-2|$

$|-15| = 15$      $|-18| = 18$      $|-2| = 2$   
 $-5, 15, 18, -1, 2$   
 $-5, -1, 2, 15, 18$

$-5, -1, |-2|, |-15|, |-18|$

# Integers and Absolute Value Assignment

29.  $|-45| - 3 * |+10| + 9 \div 3 =$

$$\begin{aligned} &|-45| - 3 * |+10| + 9 \div 3 = \\ &= 45 - 3 * 10 + 9 \div 3 = \\ &= 45 - 30 + 3 = \\ &= 15 + 3 = \\ &= \mathbf{18} \end{aligned}$$

30.  $63 - |-15| \div 3 - |+20| + 18 \div 2 =$

$$\begin{aligned} &63 - |-15| \div 3 - |+20| + 18 \div 2 = \\ &= 63 - 15 \div 3 - 20 + 18 \div 2 = \\ &= 63 - 5 - 20 + 9 = \\ &= 58 - 20 + 9 = \\ &= 38 + 9 = \\ &= \mathbf{47} \end{aligned}$$