

Adding Integers Assignment

Find the sum of each expression below using the rules for adding integers.

1. $-5 + (-42) =$ 2. $175 + (-142) =$ 3. $-12 + 200 =$

4. $-20 + (-12) =$ 5. $10 + 65 =$ 6. $10 + (-150) =$

Show the addition on the number line. Then write the sum.

7. $2 + 4 =$



8. $(-1) + (-4) =$



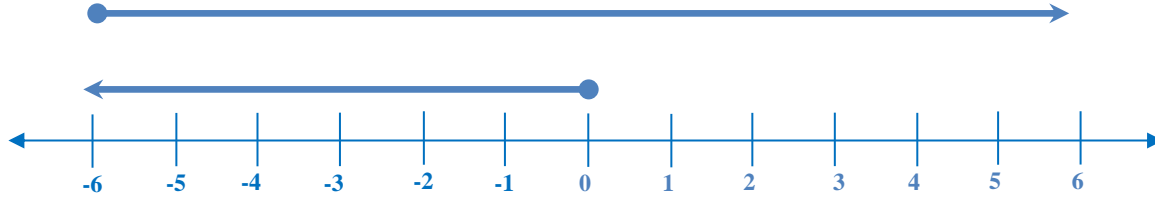
9. $6 + (-3) =$



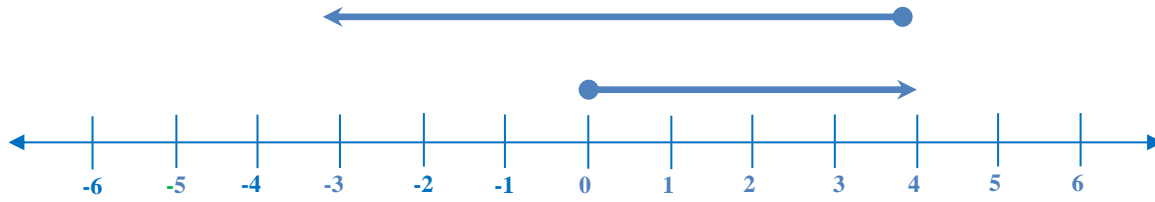
Adding Integers Assignment

Write the expression that each number line demonstrates. Then write the sum.

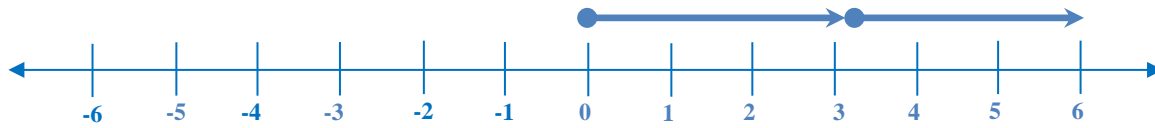
10.



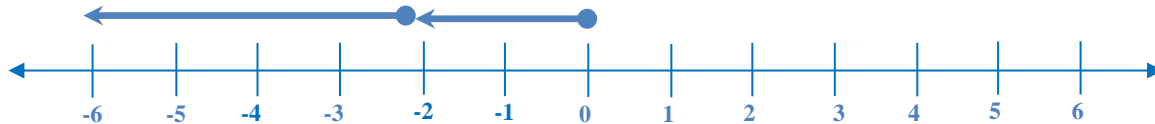
11.



12.



13.



Adding Integers Assignment

Solve each expression below.

14. $(-81) + (-120) + 55 =$

15. $167 + (-11) + (-189) =$

16. $12 + (-12) + [-34 + 124]^2 =$

17. $[-4 + 14]^2 + 211 + (-11) =$

18. $-13 + 145 + [-66 + 66]^2 =$

19. $1 + (-51) + (-113) + (-11) =$

WORD PROBLEMS

20. An elevator is on the twentieth floor. It goes down 10 floors and then up 6 floors. What floor is the elevator on now?
21. At 8 a.m. the temperature was $-4^{\circ}F$. At noon, the temperature rose $10^{\circ}F$. What was the temperature at noon?
22. A submarine is situated 400 ft below sea level. If it rises 100 ft , what is its new position?

Adding Integers Assignment

ANSWERS

Find the sum of each expression below using the rules for adding integers.

1. $-5 + (-42) =$ 2. $175 + (-142) =$ 3. $-12 + 200 =$

$-5 + (-42) = -47$

$175 + (-142) = 33$

$-12 + 200 = 188$

4. $-20 + (-12) =$ 5. $10 + 65 =$ 6. $10 + (-150) =$

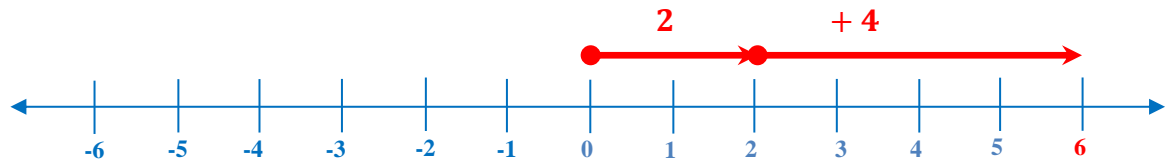
$-20 + (-12) = -32$

$10 + 65 = 75$

$10 + (-150) = -140$

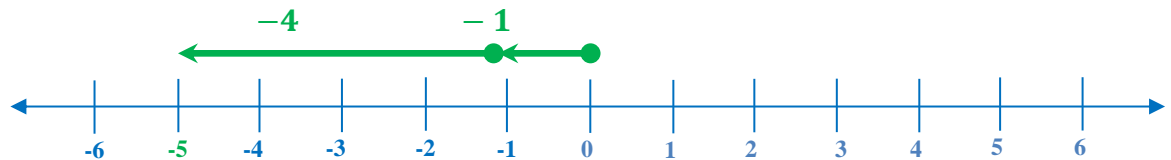
Show the addition on the number line. Then write the sum.

7. $2 + 4 =$



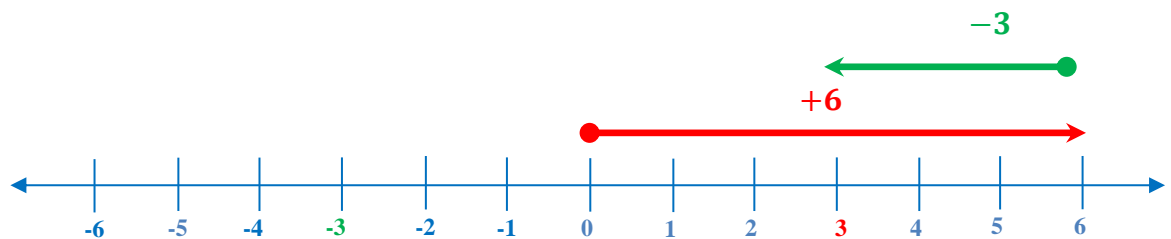
$2 + 4 = 6$

8. $(-1) + (-4) =$



$(-1) + (-4) = -5$

9. $6 + (-3) =$

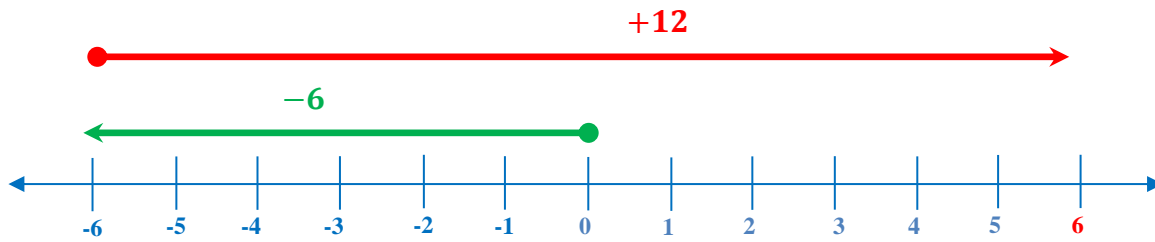


$6 + (-3) = 3$

Adding Integers Assignment

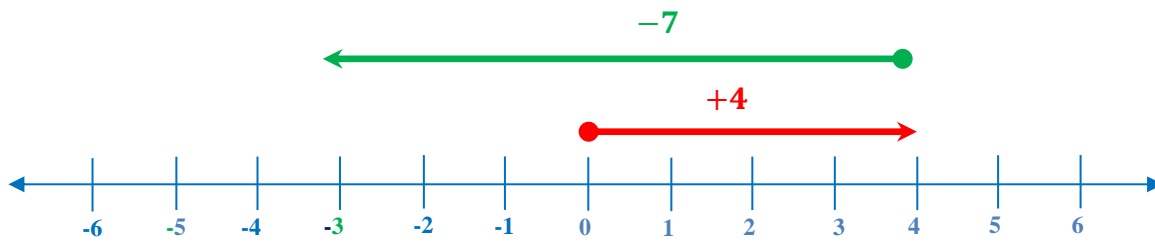
Write the expression that each number line demonstrates. Then write the sum.

10.



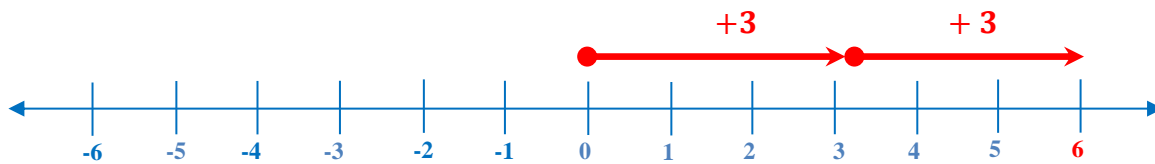
$$-6 + 12 = 6$$

11.



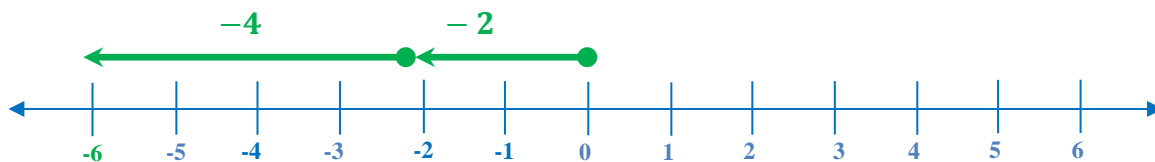
$$4 + (-7) = -3$$

12.



$$3 + 3 = 6$$

13.



$$-2 + (-4) = -6$$

Adding Integers Assignment

Solve each expression below.

14. $(-81) + (-120) + 55 =$

$$\begin{aligned} &(-81) + (-120) + 55 = \\ &= -201 + 55 = \\ &= \mathbf{-146} \end{aligned}$$

15. $167 + (-11) + (-189) =$

$$\begin{aligned} &167 + (-11) + (-189) = \\ &= 156 + (-189) = \\ &= \mathbf{-33} \end{aligned}$$

16. $12 + (-12) + [-34 + 124]^2 =$

$$\begin{aligned} &12 + (-12) + [-34 + 124]^2 = \\ &= 12 + (-12) + [90]^2 = \\ &= 12 + (-12) + 8,100 = \\ &= 0 + 8,100 = \\ &= \mathbf{8,100} \end{aligned}$$

17. $[-4 + 14]^2 + 211 + (-11) =$

$$\begin{aligned} &[-4 + 14]^2 + 211 + (-11) = \\ &= [10]^2 + 211 + (-11) = \\ &= 100 + 211 + (-11) = \\ &= 311 + (-11) = \\ &= \mathbf{300} \end{aligned}$$

18. $-13 + 145 + [-66 + 66]^2 =$

$$\begin{aligned} &-13 + 145 + [-66 + 66]^2 = \\ &= -13 + 145 + [0]^2 = \\ &= \mathbf{132} \end{aligned}$$

19. $1 + (-51) + (-113) + (-11) =$

$$\begin{aligned} &1 + (-51) + (-113) + (-11) = \\ &= -50 + (-113) + (-11) = \\ &= (-163) + (-11) = \\ &= \mathbf{-174} \end{aligned}$$

WORD PROBLEMS

20. An elevator is on the twentieth floor. It goes down 10 floors and then up 6 floors. What floor is the elevator on now?

.... down 10 floors = -10

.... up 6 floors = $+6$

$20 + (-10) + 6 =$

$= 10 + 6 =$

$= \mathbf{16}$ **16 - th floor**

21. At 8 a.m. the temperature was
- -4°F
- . At noon, the temperature rose
- 10°F
- . What was the temperature at noon?

Temperature in 8 a.m. $-4^{\circ}\text{F} = -4$

.... rose $10^{\circ}\text{F} = +10$

$-4 + 10 = 6$

The temperature at noon was $\mathbf{6^{\circ}\text{F}}$.

Adding Integers Assignment

22. A submarine is situated **400 ft** below sea level. If it rises **100 ft** , what is its new position?

... **400 ft** below sea level = **- 400**

... rises **100 ft** = **+100**

$$-400 + 100 = -300$$

The new position is **300 ft** below sea level.