

Addition and Subtraction Practice

Find the answer to the following expressions. For each pair, the order of the numbers being added or subtracted is switched. Are the answers the same?

1. $-4 + +6$ and $+6 + -4$

+2

+2

2. $-7 + -1$ and $-1 + -7$

-8

-8

3. When *adding*, does the order of the numbers matter? Explain your answer.

When adding, the order does not matter because you get the same answer.

4. $-2 - +3$ and $+3 - -2$

-5

+5

5. $+12 - -4$ and $-4 - +12$

+16

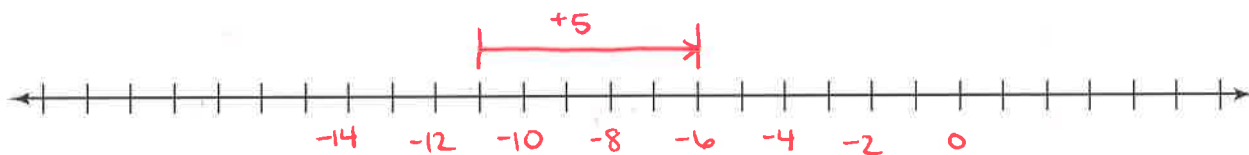
-16

6. When *subtracting*, does the order of the numbers matter? Explain your answer.

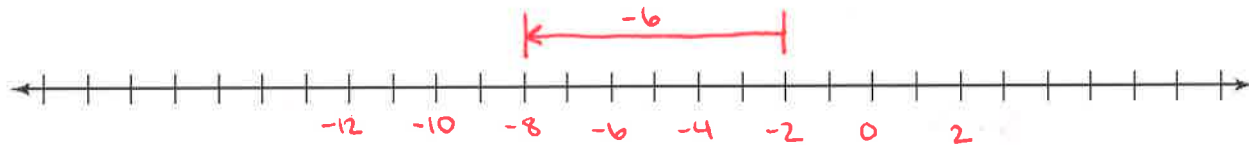
When subtracting, the order does matter because you do not get the same answer.

Model the following number sentences using a number line. Then, find the answer to the number sentence.

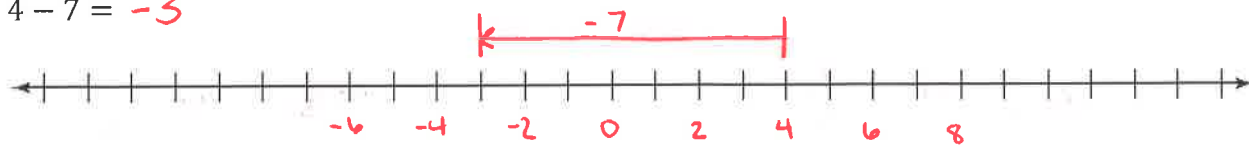
7. $-11 + 5 = -6$



8. $-2 + -6 = -8$



9. $4 - 7 = -3$



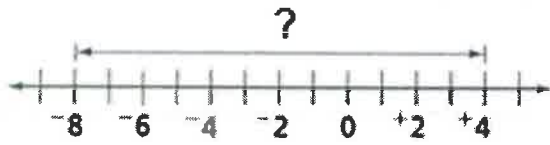
Find each absolute value.

10. $|-16 - 4| = |-20| = 20$

11. $|11 - 5| = |6| = 6$

Write two absolute value expressions for the distance between the two points on the number line below. Then, find the value of each expression.

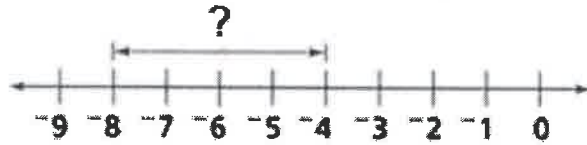
12.



$$|-8 - 4| = |-12| = 12$$

$$|4 - -8| = |12| = 12$$

13.



$$|-8 - -4| = |-4| = 4$$

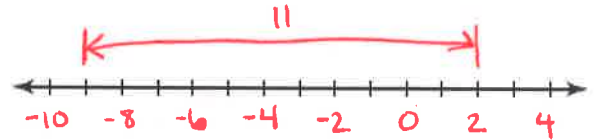
$$|-4 - -8| = |4| = 4$$

For each pair of points below, write and evaluate two absolute value expressions to represent the distance between the points. Then, make a number line to show the distance between the points.

14. 2 and -9

$$|2 - -9| = |11| = 11$$

$$|-9 - 2| = |-11| = 11$$



15. -6 and -11

$$|-6 - -11| = |5| = 5$$

$$|-11 - -6| = |-5| = 5$$



Find the answer to the following number sentences. Feel free to change between addition or subtraction for any sentence. Show work for fractions and decimals.

16. $-6 - 7 = -13$

17. $-3 + 7 = 4$

18. $2 - -3 = 5$

19. $4 + -6 = -2$

20. $-7 + -7 = -14$

21. $-8 - -5 = -3$

22. $-2.2 - 7.8 = -10$

23. $-6.09 + -6.8 = -12.89$

24. $-5.48 + 7.8 = 2.32$

25. $-6.6 - -3.4 = -3.2$

26. $\frac{3}{2} - -\frac{5}{6} = 2\frac{1}{3}$ OR $\frac{7}{3}$

27. $-\frac{5}{3} + -2\frac{5}{6} = -4\frac{1}{2}$ OR $-\frac{9}{2}$

28. $-\frac{1}{2} - 3\frac{2}{3} = -4\frac{1}{6}$ OR $-\frac{25}{6}$

29. $2\frac{3}{8} + -2\frac{1}{2} = -\frac{1}{8}$