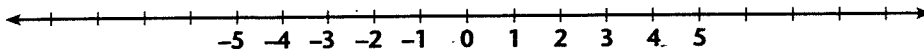


Algebra I
3.1 Worksheet
Adding Integers

Name: _____

Date: _____ Hour: _____

1. Locate point A at -2 , B at 4 , and C at -5 on the number line.



Find the opposite of each number.

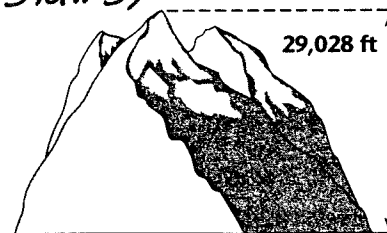
2. -110 _____ 3. 270 _____ 4. 0 _____ 5. $125,000$ _____

6. Harriet started at the bottom of a flight of stairs and walked up 7 stairs, then down 4 stairs, then back up 8 stairs, and then back down 11 stairs. What stair was she on then?

$7 + (-4) + 8 + (-11) =$ bottom of stairs

7. Death Valley is 282 ft below sea level. Mt. Everest is 29,028 ft above sea level. How far above Death Valley is Mt. Everest?

$29,028 - (-282) =$ feet



8. A temperature reading of -2°F dropped 4°F . What is the new temperature reading? $-2 + (-4) =$ $^{\circ}\text{F}$

Find the sum.

9. $-3 + 2$ _____ 10. $-4 + (-1)$ _____
11. $4 + (-5)$ _____ 12. $-6 + 6$ _____

Find each sum.

13. $-3 + (-1) + (-2)$ _____ 14. $-54 + 63 + (-20)$ _____
15. $-6 + (-42) + 24$ _____ 16. $|-5 + (-4)|$ _____
17. $|-5| + |-4|$ _____ 18. $|-5| + |4| + (-9)$ _____

19. The stock prices for the INT Company showed the following gains and losses: Monday, $+5$; Tuesday, $+3$; Wednesday, -4 ; Thursday, -1 ; Friday, -2 . What is the net effect on the stock during the week? _____

20. A girl lost 10 lb, then gained 3 lb, then lost 4 lb. What is the total change in her weight?

$(-10) + 3 + (-4) =$ pounds

In 1–16, simplify.

1. $|-0.05| =$ _____

2. $|1.25| =$ _____

3. $-|-9| =$ _____

4. $|12| - |-12| =$ _____

5. $-12 + 23 + -15 =$ _____

6. $-132 + 64 =$ _____

7. $|7| + |-9| =$ _____

8. $-|16| + |-68| =$ _____

9. $120 + -157 + -73 =$ _____

10. $-99 + -128 =$ _____

11. $|0| + |-2| =$ _____

12. $|3| + |-3| =$ _____

13. $-2.1 + -8.6 =$ _____

14. $-\frac{1}{2} + -\frac{3}{2} =$ _____

15. $3\frac{1}{3} + -1\frac{2}{3} =$ _____

16. $|8| + |-7.5| =$ _____

In 17–20, complete.

17. What is the value of $|a + b|$ when $a = -41$ and $b = 14$?

18. What is the value of $|m + n|$ when $m = 41$ and $n = -14$?

19. *True or false* The absolute value of a negative number is the opposite of that number.

20. *True or false* To add two negative numbers, add their absolute values and then take the opposite of that sum.

21. What number has the same absolute value as 70? _____

22. What two numbers have an absolute value of 42? _____

and