

Subtracting Integers

Practice

For use with pages 34-38

Find the difference.

1. $7 - 11 = -4$

2. $15 - 26 = -11$

3. $4 - (-20) = 24$

4. $13 - (-8) = 21$

5. $-12 - 9 = -21$

6. $-19 - 28 = -47$

7. $-2 - (-24) = 22$

8. $-18 - (-5) = -13$

9. $-21 - (-6) = -15$

Evaluate the expression when $x = -14$ and $y = -3$.

10. $x - y = -11$

11. $29 - x = 43$

12. $x - (-17) = 3$

13. $-27 - y = -24$

14. $y - 18 = -21$

15. $x - (-23) = 9$

16. $x - 4 - 9 = -27$

17. $15 - y - 7 = 11$

18. $31 - 35 - y = -1$

Find the change in temperature or elevation.

19. From -16°C to 23°C 39°C

20. From -47°C to -38°C 9°C

21. From 9°F to -12°F -21°F

22. From -16°F to -27°F -11°F

23. From -64 meters to -40 meters 24m

24. From -20 meters to 50 meters 70m

25. From 120 yards to -45 yards -165yd.

26. From -16 feet to -32 feet -16ft

27. Find the value of the expression $-9 - (-4) - 6$. -11

28. Find the value of the expression $102 - (-7) - 270$. -161

29. A group of hikers on a mountain began at an elevation of 3040 feet above sea level and stopped at an elevation of 2319 feet above sea level. What was their change in elevation between these points? How can you tell from the change in elevation whether the hikers were going up or down the mountain?

-721

Negative = going down
Positive = going up

30. The temperature at 6 A.M. was 63°F . At 3 P.M., the temperature was 41°F . What was the change in temperature?

-22°F