Lesson 1-4: Subtract Integers

1. Sample answer: When subtracting integers, you can use the additive inverse to write the subtraction as an equivalent addition problem. Then you can follow the rules for adding integers.

2. Sample answer: Use the additive inverse of 31 to rewrite the subtraction as addition; - 98 + (-31). Then simplify by adding the integers to get -129.

3. Sample answer: On the number line, move left or right from 0 to the first integer. From that point, move left if the second integer is positive, and move right if it is negative. The number of units you move is the absolute value of the second integer.

4. - 5 °C

5. - 67

6. a. - 234
   b. - 62
   c. 79
   d. 756

7. - 3; 6

8. +; -4

9. - 3 °F

10. a. Murphy
    b. Sample answer: Naryam may have subtracted the first integer from the opposite of the second integer.

11. a. - 2 - 16
    b. Negative; it is colder than yesterday's temperature of - 2°

12. Max will be behind his starting point because 10 - 15 = - 5.

13. a. - 2 - 6 = - 8
    b. Sample answer: - 10 - (- 2) = - 8

14. - 5 feet, or 5 feet lower

15. a. 5,762 - (-9) or 5,792 + 9
    b. Positive
    c. 5,771 feet

16. B