

# Chapter 2 Review

## Vacation Getaway

1. You have won a free two-week vacation to any of six cities around the world. Simplify each expression to find the average temperature in December in degrees Celsius for each city.

a. Berlin, Germany  $-1 \cdot (-1)$  \_\_\_\_\_ °C

b. London, England  $-5 + 10$  \_\_\_\_\_ °C

c. Montreal, Quebec  $-6 + (-1)$  \_\_\_\_\_ °C

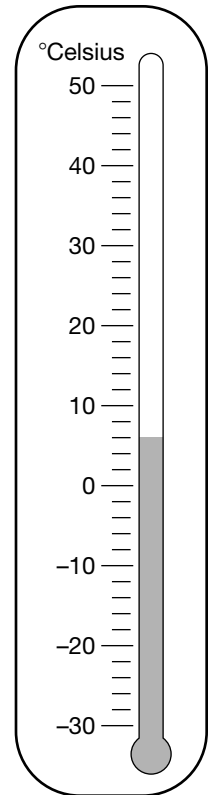
d. Paris, France  $\frac{-18}{-6}$  \_\_\_\_\_ °C

e. Beijing, China  $9 - 11$  \_\_\_\_\_ °C

f. Sao Paulo, Brazil  $-63 \div (-3)$  \_\_\_\_\_ °C

2. The formula for converting Celsius to Fahrenheit is  $F = \frac{9}{5}C + 32$ . Estimate the temperatures in Fahrenheit for each city by using  $F \approx 2C + 32$ .

3. Why do you think the average temperature in Sao Paulo, Brazil, is so high compared to the other cities?
4. Which city would you choose for your free vacation if you go in December? Why?



Answers are located on page 113.