Lesson 12  Temperature

Here's How

A Celsius thermometer is used to measure temperature in the metric system of measurement.

After sunset, the temperature dropped 5°C. The temperature was 20°C during the day. What was the temperature after sunset?

Add to find an increased temperature. Subtract to find a decreased temperature.

\[ 20°C - 5°C = 15°C \]

Try These

1. Ring the most reasonable temperature for skiing.
   \(-6°C \quad 5°C \quad 10°C \quad 25°C\)

   Add or subtract to find each new temperature.

2. The temperature rose 3°C from 20°C.
   What is the new temperature? ________

3. Charisse lowered the thermostat to 19°C. It had been set at 22°C. How many degrees did she lower the thermostat?
   ________

Answers: 1. -6°C 2. 23°C 4. 3°C
Ring the most reasonable temperature for each of the following.

1. a warm day
   
   | 5°C | 10°C | 15°C | 30°C |

2. baking bread in an oven
   
   | 150°C | 20°C | 85°C | 75°C |

3. a glass of cold lemonade
   
   | 45°C | 25°C | 3°C | −5°C |

4. making ice for an outdoor ice rink
   
   | 36°C | 16°C | 6°C | −6°C |

Add or subtract to solve each problem.

5. The temperature dropped 4°C from 28°C over the weekend. What was the new temperature?

6. In Knoxville, Tennessee, the average monthly temperature is 3.4°C in January and 25.3°C in July. What is the difference in the average temperatures?

7. The highest recorded temperature in the world was 58°C in Libya in 1922. The highest recorded temperature in Europe was in Spain in 1881. That temperature was 8°C lower than the world record. What was the highest temperature recorded in Europe?

8. Luisa said that the temperature was −11°C. How many degrees below freezing was the temperature?

9. It was 4°C warmer in Phoenix than it was in Boston. If the temperature in Boston was 30°C, what was the temperature in Phoenix?