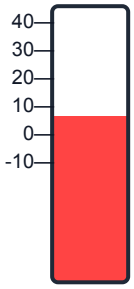
Temperature Reading and Conversion

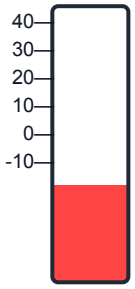
Name: _____ Date: _____

Part A: Reading Thermometers

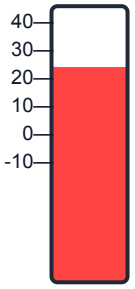
Write the temperature shown on each thermometer in degrees Celsius (°C).



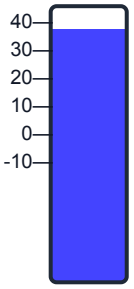
1. _____°C



2. _____°C



3. _____°C



4. _____°C

Part B: Temperature Changes

Calculate the new temperature after each change.

5. The temperature was 18°C. It increased by 7°C. New temperature: _____°C

6. The temperature was 25°C. It decreased by 12°C. New temperature: _____°C

7. The temperature was 3°C. It dropped by 8°C. New temperature: _____°C

8. The temperature was -4°C. It rose by 10°C. New temperature: _____°C

Part C: Temperature Differences

Find the difference between these temperatures.

9. Morning: 8°C, Afternoon: 22°C. Difference: _____°C

10. Inside: 21°C, Outside: -3°C. Difference: _____°C

11. Freezer: -18°C, Fridge: 4°C. Difference: _____°C

Part D: Word Problems

12. The temperature in Wellington at 6am was 11°C. By midday it had risen by 9°C. What was the temperature at midday?

Answer: _____°C

13. Water freezes at 0°C. If the temperature is currently 7°C, how many degrees must it drop for water to freeze?

Answer: _____°C

14. The overnight temperature was -2°C. During the day it warmed up to 15°C. What was the total temperature increase?

Answer: _____°C