

**Temperature Conversion**

1. The temperature one day in Calgary was  $23^{\circ}\text{C}$ . What was the temperature, in degrees Fahrenheit?

$$\begin{aligned}\text{ }^{\circ}\text{F} &= \text{ }^{\circ}\text{C} \times \frac{9}{5} + 32 \\ &= 23 \times \frac{9}{5} + 32 \\ &= 73.4\end{aligned}$$

*The temperature was  $73.4^{\circ}\text{F}$ .*

2. The melting point of solder is  $370^{\circ}\text{F}$ . What is that temperature, in degrees Celsius?

$$\begin{aligned}\text{ }^{\circ}\text{C} &= \frac{5}{9}(\text{ }^{\circ}\text{F} - 32) \\ &= \frac{5}{9}(370 - 32) \\ &= 187.8\end{aligned}$$

*The temperature would be about  $187.8^{\circ}\text{C}$ .*