

Temperature

US uses Fahrenheit, Canada uses Celsius

	<u>Celsius</u>	<u>Fahrenheit</u>
Water boils	100°C	212°F
Normal human body temp	37°C	98.6°F
"Room temperature"	21°C	70°F
Water freezes	0°C	32°F
Absolute zero	-273.15°C	-459.67°F

To convert from Fahrenheit to Celsius

$$C = \frac{5}{9} (F - 32)$$

ex) 80°F into Celsius

$$C = \frac{5}{9} (80 - 32)$$

$$= 26.67^\circ\text{C}$$

To convert from Celsius to Fahrenheit

$$F = \frac{9}{5} C + 32$$

ex) -10°C → Fahrenheit

$$F = \frac{9}{5} (-10) + 32$$

$$= 14^\circ\text{F}$$

If you need to determine a change in temperature use the formula without the "32" part

ex) Temperature rose 8°C

$$F = \frac{9}{5} C, F = \frac{9}{5} (8) F = 14.4, \text{Temperature rose } 14.4^\circ\text{F}$$