

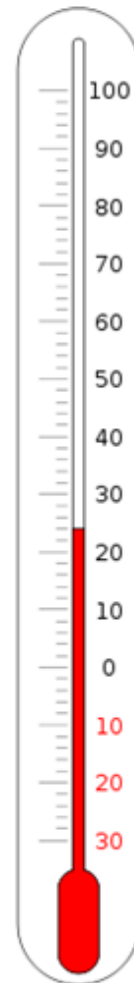
Temperature is often measured in degrees Celsius, $^{\circ}\text{C}$, or degrees Fahrenheit, $^{\circ}\text{F}$.

The freezing point of water is 0°C and 32°F .
The boiling point of water is 100°C and 212°F .

Is there a temperature at which Celsius and Fahrenheit readings are the same?

Can you describe a way of converting Fahrenheit readings into Celsius?

Can you describe a way of converting Celsius readings into Fahrenheit?



An extension challenge:

Scientists often use the Kelvin scale of temperature, where the freezing point of water is 273.15°K and the boiling point of water is 373.15°K .

Is there a temperature at which Kelvin and Fahrenheit readings are the same?

Is there a temperature at which Kelvin and Celsius readings are the same?

Can you describe ways of converting Kelvin readings into Fahrenheit and Celsius readings?