

Temperature scales

Using the formulas, make the transformations and fill the chart. Give the results using two decimal places

$$^{\circ}\text{F} \rightarrow ^{\circ}\text{C} \quad T(^{\circ}\text{C}) = \frac{T(^{\circ}\text{F}) - 32}{1.8}$$

$$^{\circ}\text{F} \rightarrow \text{K} \quad T(\text{K}) = \frac{T(^{\circ}\text{F}) - 32}{1.8} + 273.15$$



$$^{\circ}\text{C} \rightarrow ^{\circ}\text{F} \quad T(^{\circ}\text{F}) = 1.8 \cdot T(^{\circ}\text{C}) + 32$$

$$^{\circ}\text{C} \rightarrow \text{K} \quad T(\text{K}) = T(^{\circ}\text{C}) + 273.15$$



$$\text{K} \rightarrow ^{\circ}\text{F} \quad T(^{\circ}\text{F}) = [T(\text{K}) - 273.15] \cdot 1.8 + 32$$

$$\text{K} \rightarrow ^{\circ}\text{C} \quad T(^{\circ}\text{C}) = T(\text{K}) - 273.15$$



	Celsius	Fahrenheit	Kelvin
Boiling point of water	100		
Melting point of water	0		
Home freezer		0	
Absolute zero			0
Lowest recorded surface temperature on Earth		-128.6	
Average human body temperature			309.95
Average surface temperature on Earth		59	
Highest recorded surface temperature on Earth			331.15
The surface of the Sun	5526		
Consumer cooking temperature of ground meats		160	
Home refrigerator		38	
Milk Pasteurization	63		
Most bacteria destroyed	74		
Caramelization of sugar		320	