

Example: Convert 36°C into Kelvin.

$$K = C + 273.15$$

Using this formula, $K = 36 + 273.15 = 309.15 \text{ K}$

A) Convert the temperatures from Celsius to Kelvin.

1) $49^{\circ}\text{C} = \underline{\hspace{2cm}} \text{ K}$

2) $27^{\circ}\text{C} = \underline{\hspace{2cm}} \text{ K}$

3) $62^{\circ}\text{C} = \underline{\hspace{2cm}} \text{ K}$

4) $81^{\circ}\text{C} = \underline{\hspace{2cm}} \text{ K}$

5) $56^{\circ}\text{C} = \underline{\hspace{2cm}} \text{ K}$

6) $12^{\circ}\text{C} = \underline{\hspace{2cm}} \text{ K}$

7) $33^{\circ}\text{C} = \underline{\hspace{2cm}} \text{ K}$

8) $70^{\circ}\text{C} = \underline{\hspace{2cm}} \text{ K}$

Example: Convert 284 K into $^{\circ}\text{C}$.

$$C = K - 273.15$$

Using this formula, $C = 284 - 273.15 = 10.85^{\circ}\text{C}$

B) Convert the temperatures from Kelvin to Celsius.

1) $351 \text{ K} = \underline{\hspace{2cm}}^{\circ}\text{C}$

2) $302 \text{ K} = \underline{\hspace{2cm}}^{\circ}\text{C}$

3) $276 \text{ K} = \underline{\hspace{2cm}}^{\circ}\text{C}$

4) $344 \text{ K} = \underline{\hspace{2cm}}^{\circ}\text{C}$

5) $368 \text{ K} = \underline{\hspace{2cm}}^{\circ}\text{C}$

6) $327 \text{ K} = \underline{\hspace{2cm}}^{\circ}\text{C}$

7) $336 \text{ K} = \underline{\hspace{2cm}}^{\circ}\text{C}$

8) $290 \text{ K} = \underline{\hspace{2cm}}^{\circ}\text{C}$