Converting from Celsius to Kelvin:

Converting from Kelvin to Celsius:

Complete the following chart. Pay attention to significant figures!

| ${ }^{\circ} \mathrm{C}$ | K |
| :--- | :--- |
| $0 .{ }^{\circ} \mathrm{C}$ |  |
|  | 485.6 K |
| $100 .{ }^{\circ} \mathrm{C}$ | 70 K |
|  |  |
| $-273{ }^{\circ} \mathrm{C}$ |  |
| $35{ }^{\circ} \mathrm{C}$ |  |
|  | 290 K |
| $-110^{\circ} \mathrm{C}$ |  |

## Extension problems

The Fahrenheit and Celsius temperature scales have different size units and different zero points! Fahrenheit Celsius Conversions

$$
\begin{gathered}
T_{F}=1.80 T_{C}+32 \\
T_{C}=\frac{T_{F}-32}{1.80}
\end{gathered}
$$

Problems Show all your work in the space provided!

1. You're traveling in Europe and get sick. Your temperature is $39^{\circ} \mathrm{C}$. What is your temperature on the Fahrenheit scale?
2. Pork is considered to be well done when its internal temperature reaches $160^{\circ} \mathrm{F}$. What is this temperature on the Celsius scale?
3. The boiling point of nitrogen is $-196^{\circ} \mathrm{C}$. What is this temperature on the Fahrenheit scale?
4. Ray Bradbury wrote a book titled Fahrenheit 451. What is this temperature on the Celsius scale?
5. Express the temperature $-40^{\circ} \mathrm{F}$ on the Celsius scale.
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