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

$$\frac{15}{5} = \frac{F-32}{9}$$

$$3 = \frac{F-32}{9}$$

$$27 = F-32$$

$$F = 59^\circ F$$

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

$$\frac{25}{5} = \frac{F-32}{9}$$

$$5 = \frac{F-32}{9}$$

$$45 = F-32$$

$$F = 77^\circ F$$

$$\begin{array}{r} {}^{6}\cancel{A}\,17 \\ -59 \\ \hline 18 \end{array}$$

$$\Delta F = 77 - 59 = 18^\circ F$$

FINAL − INICIAL

Cuidado!! O que não pode ser feito...

$\Delta C = 10°C$

Conversão de Temperatura

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

ERRADO!!

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

$$18 + 32 = F$$

$$F = 50°F$$

Existe uma fórmula para variação de temperatura:

$$\frac{\Delta C}{5} = \frac{\Delta F}{9} = \frac{\Delta K}{5}$$

EX: $\frac{10}{5} = \frac{\Delta F}{9}$

$2 = \frac{\Delta F}{9} \longrightarrow \Delta F = 18°F$ //

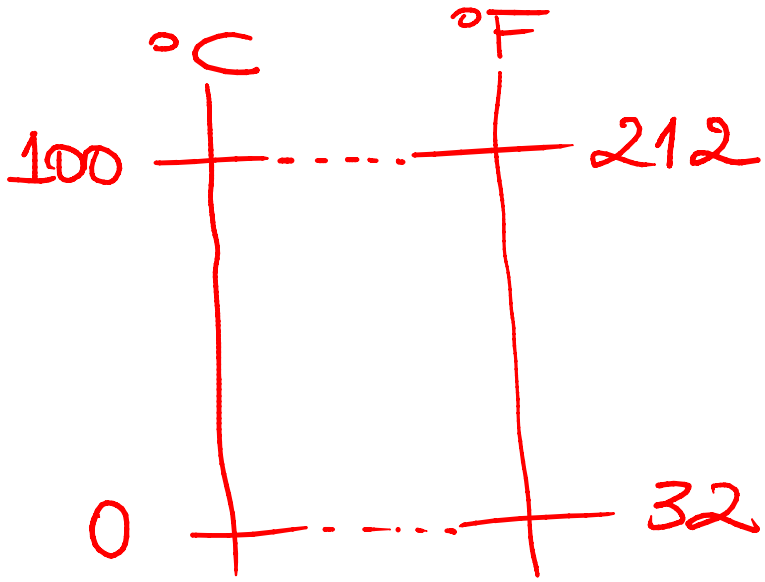
Resumindo:

Conversão de temperatura:

$$\frac{C}{5} = \frac{F-32}{9} = \frac{K-273}{5}$$

- Conversão de Variação de temperatura:

$$\frac{\Delta C}{5} = \frac{\Delta F}{9} = \frac{\Delta K}{5}$$

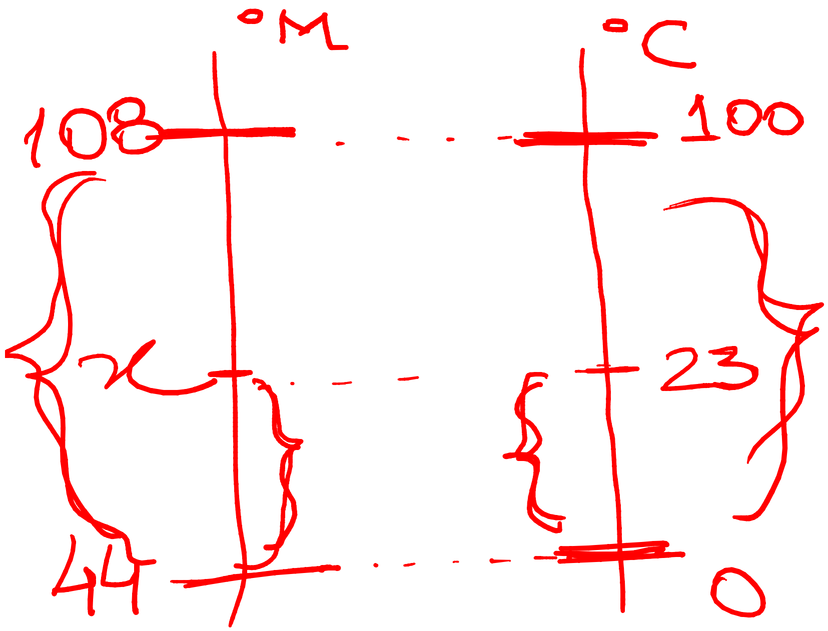


$$\frac{C}{5} = \frac{F-32}{9}$$

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

Pergunta: Existe alguma temperatura com o mesmo valor na escala Celsius e Fahrenheit

$$9x = 5x - 160$$
$$9x - 5x = -160$$
$$4x = -160$$
$$x = \frac{-160}{4} = -40\,^{\circ}C = -40\,^{\circ}F$$



$$\frac{x-44}{108-44}=\frac{23-0}{100-0}$$

$$\frac{x-44}{64}=\frac{23}{100}$$

$$100x-4400=1472$$

$$100x=1472+4400$$

$$x=\frac{5872}{100}$$

$$\boxed{x=58{,}72\,°M}$$

graus Mundicus

$$\begin{array}{r} 1472 \\ 4400 \\ \hline 5872 \end{array} \qquad \begin{array}{r} 108 \\ -\;44 \\ \hline 64 \end{array} \qquad \begin{array}{r} 64 \\ \times\;23 \\ \hline 192 \\ 128 \\ \hline 1472 \end{array}$$