

Formulas

Celsius to Fahrenheit $^{\circ}\text{F} = ^{\circ}\text{C} \times 9/5 + 32$

Fahrenheit to Celsius $^{\circ}\text{C} = (^{\circ}\text{F} - 32) \times 5/9$

Celsius to kelvin $\text{K} = ^{\circ}\text{C} + 273.15$

Kelvin to Celsius $^{\circ}\text{C} = \text{K} - 273.15$

Examples

$^{\circ}\text{C}$	$^{\circ}\text{F}$	K
-40	-40	233.15
0	32	273.15
20	68	293.15
37	98.6	310.15
100	212	373.15

Minus 40 is the one point where Celsius and Fahrenheit agree: $-40^{\circ}\text{C} = -40^{\circ}\text{F}$. Both scales carry an offset, not just a ratio, so you cannot move the decimal point the way you can between metre and centimetre - each conversion needs the full formula.