

Temperature Equivalents

Unit	Celsius	Fahrenheit	Kelvin	Rankine	Reaumur
Celsius	-	$^{\circ}\text{F} = (^{\circ}\text{C} \times 1.8) + 32$	$\text{K} = ^{\circ}\text{C} + 273.15$	$^{\circ}\text{Ra} = (^{\circ}\text{C} \times 1.8) + 32 + 459.67$	$^{\circ}\text{Re} = ^{\circ}\text{C} \times 0.8$
Fahrenheit	$^{\circ}\text{C} = (^{\circ}\text{F} - 32) / 1.8$	-	$\text{K} = (^{\circ}\text{F} + 459.67) / 1.8$	$^{\circ}\text{Ra} = ^{\circ}\text{F} + 459.67$	$^{\circ}\text{Re} = (^{\circ}\text{F} - 32) / 2.25$
Kelvin	$^{\circ}\text{C} = ^{\circ}\text{K} - 273.15$	$^{\circ}\text{F} = (^{\circ}\text{K} \times 1.8) - 459.67$	-	$^{\circ}\text{Ra} = ^{\circ}\text{K} \times 1.8$	$^{\circ}\text{Re} = (^{\circ}\text{K} - 273.15) \times 0.8$
Rankine	$^{\circ}\text{C} = (^{\circ}\text{Ra} - 32 - 459.67) / 1.8$	$^{\circ}\text{F} = ^{\circ}\text{Ra} - 459.67$	$\text{K} = ^{\circ}\text{Ra} / 1.8$	-	$^{\circ}\text{Re} = (^{\circ}\text{Ra} - 32 - 459.67) / 2.25$
Reaumur	$^{\circ}\text{C} = ^{\circ}\text{Re} \times 1.25$	$^{\circ}\text{F} = (^{\circ}\text{Re} \times 2.25) + 32$	$\text{K} = (^{\circ}\text{Re} \times 1.25) + 273.15$	$\text{Ra} = (^{\circ}\text{Re} \times 2.25) + 32 + 459.67$	-