

CELSIUS & FAHRENHEIT TEMPERATURES

Mushers Robert Sorlie, DeeDee Jonrowe, Dodo Perri and Karen Ramstead were talking about weather conditions during their 8-hour rest. Early in the conversation, the mushers realized they were discussing temperature for the same place at the same time but the temperature that DeeDee referred to was usually different. DeeDee lives in Alaska where temperature is reported in degrees Fahrenheit while Robert, Dodo and Karen live in countries that use the Celsius temperature scale. The formulas for converting Celsius temperatures to Fahrenheit and Fahrenheit temperatures to Celsius are listed below. Convert the Celsius readings to Fahrenheit and the Fahrenheit readings to Celsius. Before making the conversions, find out where Robert, Dodo and Karen live.

Robert Sorlie	Dodo Perri	Karen Ramstead
---------------	------------	----------------

$F = 9/5 C + 32$	$C = 5/9 (F - 32)$
------------------------------------	--------------------------------------

CHECK POINT	TEMP FAHRENHEIT	TEMP CELSIUS	CHECK POINT	TEMP FAHRENHEIT	TEMP CELSIUS
Anchorage		3 degrees C	Iditarod		-15 degrees C
Eagle River	32 degrees F		Shageluk		-19 degrees C
Wasilla	35 degrees F		Anvik		-10 degrees C
Knik		0 degrees C	Grayling	34 degrees F	
Yentna		-9 degrees C	Eagle Island	-6 degrees F	
Skwentna	20 degrees F		Kaltag		-35 degrees C
Finger Lake	-5 degrees F		Unalakleet	- 30 degrees F	
Rainy Pass		-18 degrees C	Shaktoolik		-12 degrees C
Rohn	10 degrees F		Koyuk		-30 degrees C
Nikolai	-10 degrees F		Elim		-3 degrees C
McGrath		-22 degrees C	White Mtn	17 degrees F	
Takotna		-5 degrees C	Safety		-28 degrees C
Ophir	32 degrees F		Nome	-1 degrees F	

Note: $F = 2C + 30$ is a fast but less accurate formula for converting Celsius to Fahrenheit.