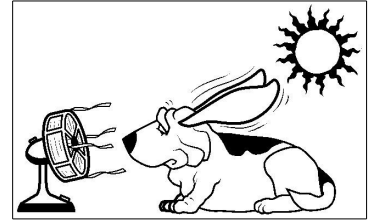


# How cold is it today?

## Temperature scales



Fahrenheit (symbol °F) is a **temperature scale** based on one proposed in 1724 by the physicist Daniel Gabriel Fahrenheit (1686–1736), after whom the scale is named. The scale is defined by two fixed points: the temperature at which water freezes into ice is defined as 32 degrees, and the boiling point of water is defined to be 212 degrees.

By the end of the 20th century, most countries used the Celsius scale rather than the Fahrenheit scale, though Canada retains it as a supplementary scale that can be used alongside Celsius. Fahrenheit remains the official scale for the following countries: United States, Cayman Islands, Palau, Jamaica, the Bahamas, Belize, Puerto Rico, Guam and the U.S. Virgin Islands.

(from wikipedia.org)

On some weather forecast websites, temperatures are given either in Celsius or in Fahrenheit.

1. Comparing Fairbanks temperatures to Vancouver temperatures, can you say that these two scales are proportional?


2. Using the data given in this page, let's **plot a graph** of Fahrenheit temperatures vs Celsius temperatures.

3. Using this graph, how can you tell these two scales are not proportional?




**Montréal, QC** [Change »](#)  
Local Time: Friday, January 25, 2013, 2:04

**Current Weather** 1:45 EST

 **40 °F**   
Partly cloudy

4. You're planning a trip to Montréal, Canada. The weather forecast tells you the temperature will be up to 40 °F.

What kind of clothes are you going to wear in Montréal?

a). A pair of flip flops?



b). a kilt?



c). A beanie?