

F-BF Temperatures in degrees Fahrenheit and Celsius

Task

Let f be the function that assigns to a temperature in degrees Celsius its equivalent in degrees Fahrenheit.

- The freezing point of water in degrees Celsius is 0 while in degrees Fahrenheit it is 32. The boiling point of water is 100 degrees Celsius and 212 degrees Fahrenheit. Given that the function f is linear, use this information to find an equation for f .
- Find the inverse of the function f and explain its meaning in terms of temperature conversions.
- Is there a temperature which is the same in degrees Celsius and in degrees Fahrenheit? Explain how you know.



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