

Converting from Fahrenheit to Celsius

Convert the temperatures from Fahrenheit to Celsius using the formula. Round your answers to the nearest tenth.

Example: Convert 78 °F to °C.

$$C = \frac{5}{9} (F - 32)$$

$$= \frac{5}{9} (78 - 32) = \frac{5}{9} (46) = 25.6 \text{ °C}$$

1) 203 °F = _____ °C 2) 110 °F = _____ °C

3) 49 °F = _____ °C

5) -94 °F = _____ °C

7) 51 °F = _____ °C

9) -125 °F = _____ °C

11) 191 °F = _____ °C

13) 86 °F = _____ °C 14) -273 °F = _____ °C

15) The temperature in Exton was 77 °F at 11 a.m. Find the temperature in Celsius.

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Example: Convert 78 °F to °C.

$$C = \frac{5}{9} (F - 32)$$

$$= \frac{5}{9} (78 - 32) = \frac{5}{9} (46) = 25.6 \text{ } ^\circ\text{C}$$

1) 203 °F = 95 °C 2) 110 °F = 43.3 °C

3) 49 °F = 9 °C = -122.2 °C

5) -94 °F = - °C = 57.8 °C

7) 51 °F = 10.6 °C = 38.9 °C

9) -125 °F = -8 °C = 35 °C

11) 191 °F = 89 °C = 180.6 °C

13) 86 °F = 30 °C 14) -273 °F = -169.4 °C

15) The temperature in Exton was 77 °F at 11 a.m. Find the temperature in Celsius.

25 °C

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