Assessment

Temperature Sensor - Lesson 2 Formative Assessment Questions

1) Define Temperature.

2) Which of the following is likely the temperature of the classroom?
   a) 72°F
   b) -5°F
   c) -5°C
   d) 72°C

3) Which of the following is likely the temperature outside during a snow day?
   a) 60°F
   b) 30°C
   c) -12°C
   d) 12°C

Convert the following temperatures:

4) 34°C = ____°F

5) 0°F = ____°C

6) -4°C = ____°F

7) -345°F = ____°C

Create an inequality for the following:

8) A temperature that is a minimum of 65°F and a maximum of 85°F

9) A temperature that is higher than 40°C and lower than 60°C

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10) How would you add a fourth range in your code?
    a) Highlight a piece of code and right-click. Select “duplicate”. Change the temperature values to match the range.
    b) Repeat all tutorial steps to create a fourth range with new values for each.
    c) Select the “range” function and change the function name.
    d) Create a loop to put around the function code snippet.

11) Why would someone use a function?
    a) To set up a series of actions.
    b) To create a shorter code.
    c) To make recalling the code easier.
    d) All of the above.

Optional Assessment questions:

12) What emoji would you choose for your town during the winter?

13) What emoji would you choose for your town during the summer?

14) What emoji would you choose for the planet?