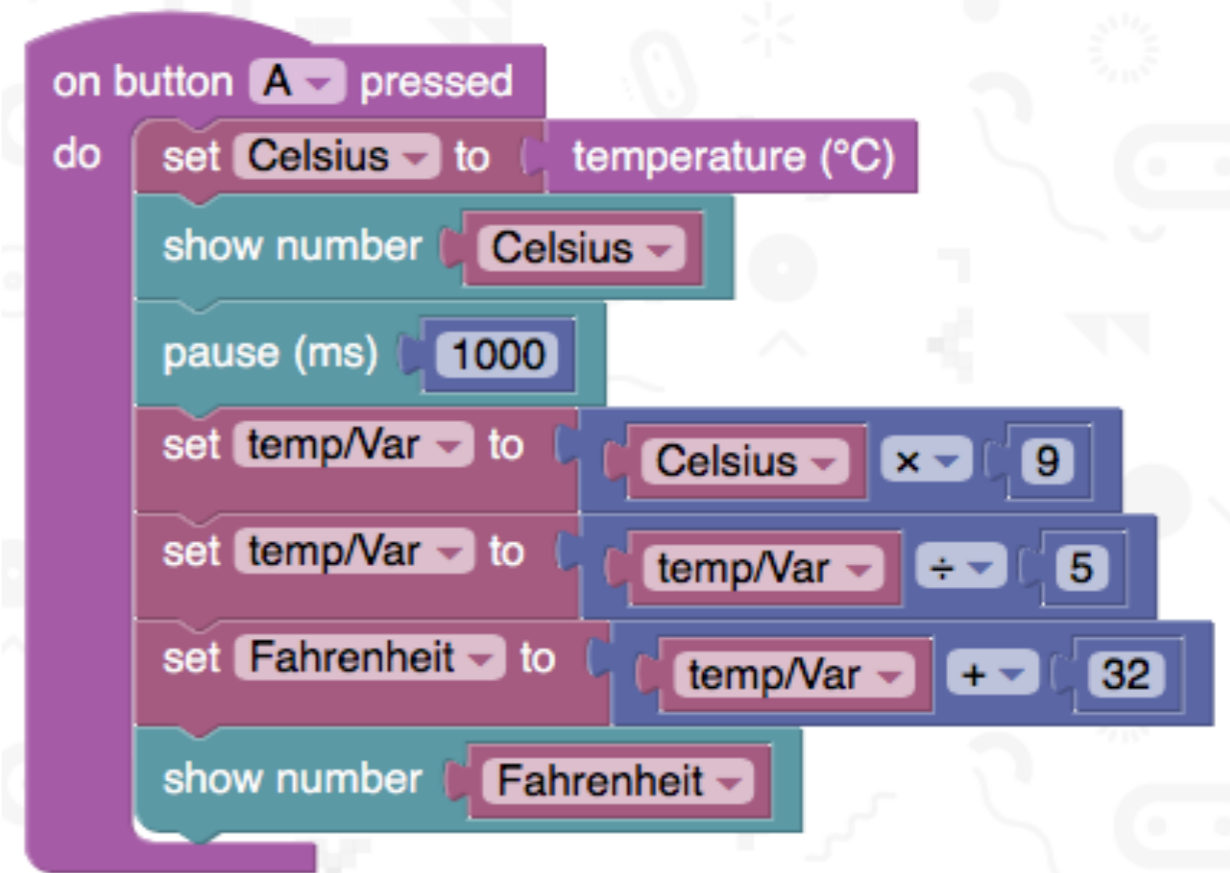
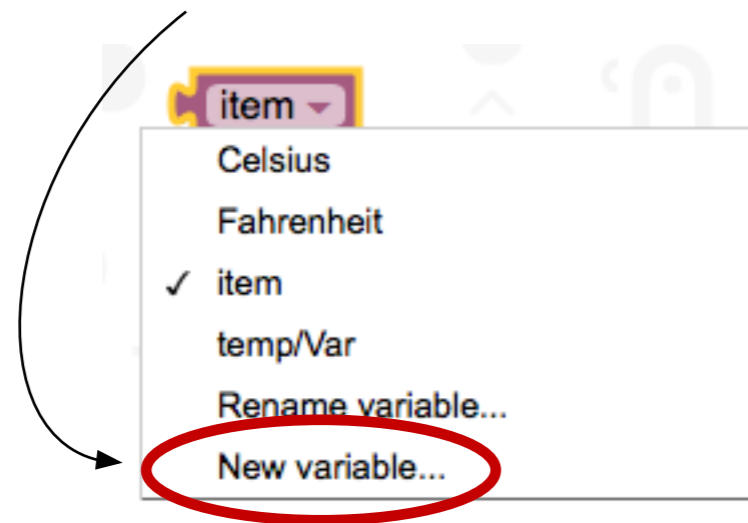


# micro:bit Variables

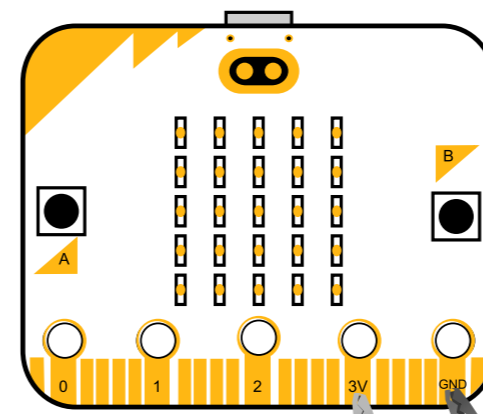
Using the integrated temperature sensors it is possible to make the micro:bit display the current temperature in the room.

To do this we need to use **variables**, you'll notice in the code a new variable has been created called temp/Var, as well as Celsius and Fahrenheit. These new commands are created by clicking on the drop down menu button next to the word **item** and selecting new variable.



The calculation will display the the temperature in Celsius and then convert this into Fahrenheit because the program is easier to create this way. It does this by using the integrated temperature sensor data and multiplying it by 9. This is then divided by 5 and then 32 is added to give the temperature in Fahrenheit.

If you run the simulator in the Block Editor it should show 21 & 69 if you push the on screen A button.



Remember you need to use a maximum of 3V to run the micro:bit

