Figure 1
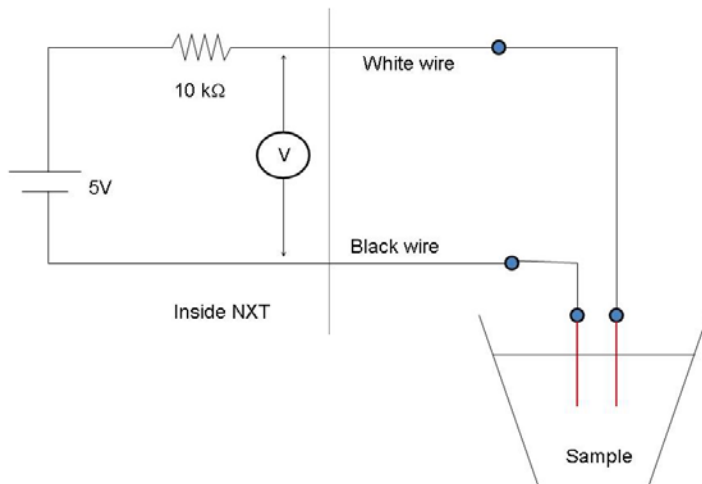
$$\frac{x}{5} = \frac{n}{1023}$$

(Equation 1)
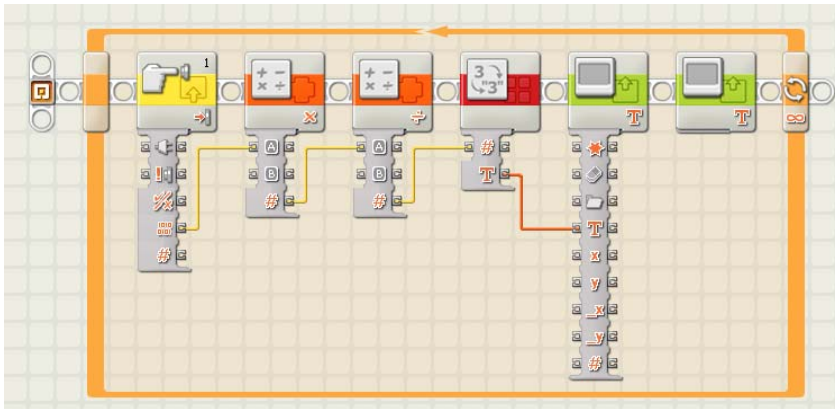
Rearrange the equation:

$x = 5 * n/1023$

This is what is coded in the NXT through the steps below.

Figure 2. The NXT voltage reading circuit. It measures the voltage between the white and black wires.

Loop

Control: Forever

Show: ☐ Counter

Touch Sensor

Reset

Port: ⦿ 1 ○ 2 ○ 3 ○ 4

Action: ⦿ Pressed

○ Released

○ Bumped

Math

Operation: Multiplication

A 0 ✖ B 5

Math

Operation: Division

A 0 ÷ B 1023

Number to Text

Number: 0

Display

Action: Text

Display: ☐ Clear

Text: Simple Text Volts

Position:

Volts

X 48 Y 26

Line: 5