Partner Task - Potentiometers

Partners: ______________________________________________________

Part 1.
Implement Circuit 2 from the workbook and demo.  DEMO PART 1  10XP

Part 2.
1. This circuit introduced the concept of variable. Just to make sure you understand this concept, I would like you to change the name of the variable sensorValue to valorDelSensor. Check that your code is still working properly before moving on.

2. Right now the slowest the circuit will blink is 1 second on and 1 second off. I would like you to change that so the slowest blink rate is 2 seconds on and 2 off. (multiplication might be useful here).

3. Finally, change the hardware so that the potentiometer is connected to pin 1 and the LED is connected to pin 10. Adjust the software accordingly.

DEMO  PART 2     15XP

Part 3
Last time you designed a circuit that alternated between two leds. (one or the other of the LEDs was always on). I would like you to add a potentiometer to that code to change the speed at which they alternate.

DEMO  PART 3     25XP