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| **Python with Robots**  **Mission 8 Lab Data Sheet** | | **Name:** |
| **Obj. 9 Speedometer Part 1: Follow these steps:**   1. Change the distance traveled to a constant 10 cm: **drive(10)** 2. Change the power value to a constant 50% **motors.run(LEFT, 50) motors.run(RIGHT, 50)** 3. Run the program **10 times** and find the average of all 10 print values and record below. 4. Change the surface and repeat. | | |
| **Floor Surface** | **[LEFT] speeds AVG** | **[RIGHT] speeds AVG** |
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| **Obj. 9 Speedometer Part 2: Follow these steps:**   1. Keep the distance traveled to a constant 10 cm: **drive(10)** 2. Choose ONE surface for the experiment and use it as a constant. 3. Use the same power for each wheel, but change the power incrementally. **motors.run(LEFT, 10) motors.run(RIGHT, 10)** 4. Run the program **10 times** and find the average of all 10 print values and record below. Change the power values by 10 each time. | | |
| **Power** | **[LEFT] speeds AVG** | **[RIGHT] speeds AVG** |
| **10** |  |  |
| **20** |  |  |
| **30** |  |  |
| **40** |  |  |
| **50** |  |  |
| **60** |  |  |
| **70** |  |  |
| **80** |  |  |
| **90** |  |  |
| **100** |  |  |