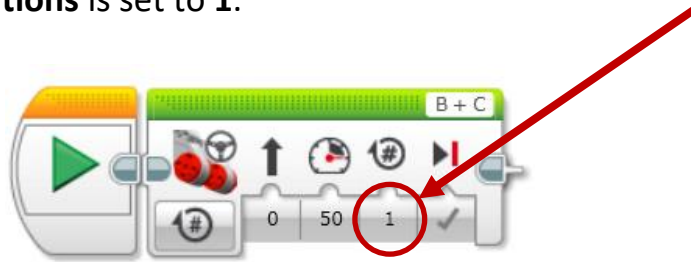



Move Forward Exercise – Part 1

Name: _____

Drag a <Move Steering> block onto the programming chain. Notice that the number of **wheel rotations** is set to **1**.



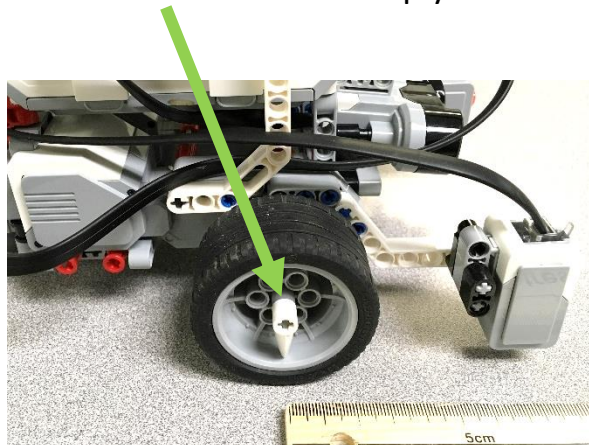
1. Download your program to the robot by pressing  .

2. How far did your robot travel? Measure with a **meter stick**.



_____ cm (centimeters)

Hint: You can use the **wheel holder** to line up your robot.



3. On the meter stick, **mark** how far the robot travels with **1** rotation.

Hint: Use tape and a pencil for marking.



4. Now, program the robot to move forward **2 wheel rotations**.

How far did your robot travel?



5. **Estimate** (guess) how far will the robot move with 4 rotations?



Program your robot to move 4 rotations and measure how far it goes.

6. Challenge Question:

The kids in the photo estimated

that the robot travels **72 cm**

with **3 rotations**.



They put some tape on the floor.

Is their estimation correct? Will the robot travel 72 cm?

Program your robot to move **3 rotations** and measure how far it goes.
