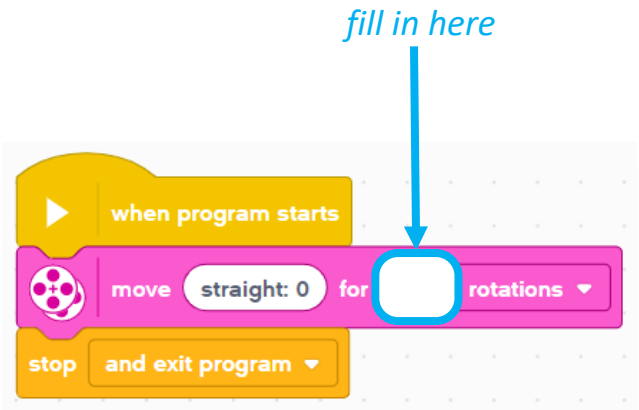
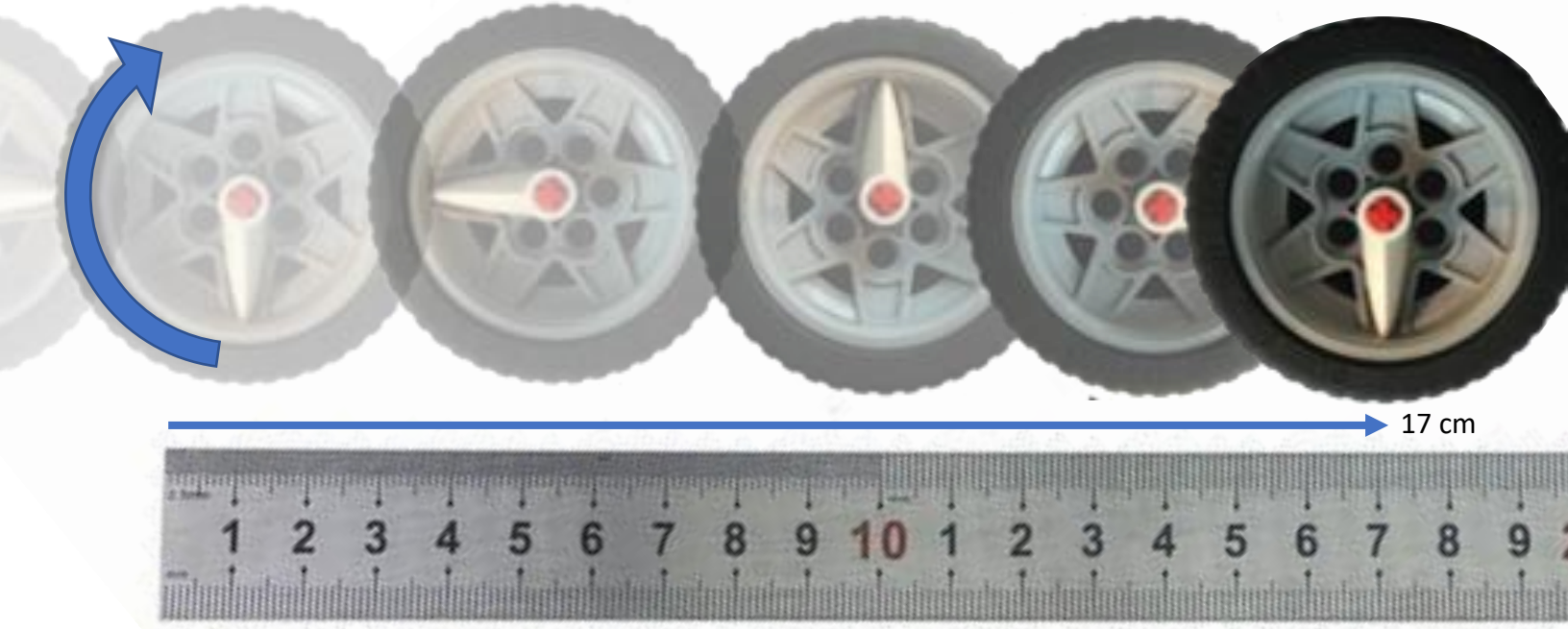
Move Forward Exercise – Part 2

Name: _____

1. How many **wheel rotations** will your robot need to travel **17 cm**?



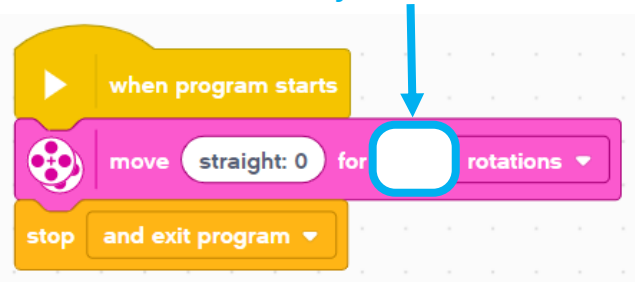


2. **Estimate** (guess) how many wheel rotations will your robot need to travel **51 cm**?

Hint:

17 cm x 1 = 17 cm
17 cm x 2 = 34 cm
17 cm x 3 = …
17 cm x …

fill in here



3. Use your **estimated number** ▢ to program your robot.

   How far did it travel? _____

4. Setting your **wheel rotations** to 1 makes the robot travel 17 cm.

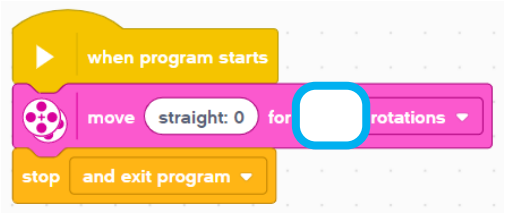
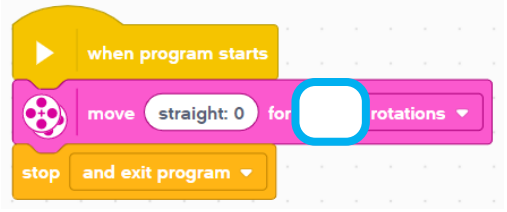
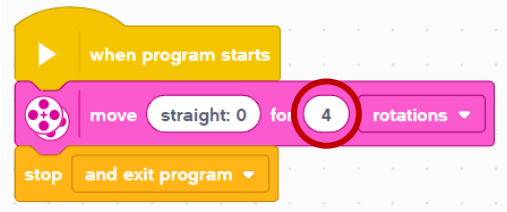
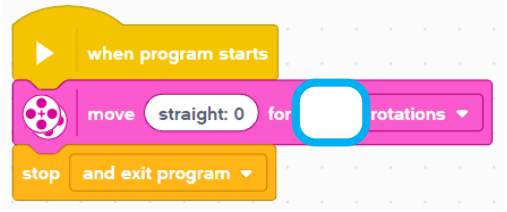
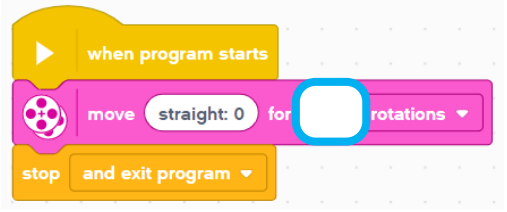
   How can you make it travel **half that distance**, and how far does it travel then?

   Fill in!

   Robot travels: _____

© 2022 Dr. Krista Francis & Stefan Rothschuh

5. Fill in the table.

	Robot travels **17 cm**.
	Robot travels _____
	Robot travels **51 cm**.
	Robot travels _____
	Robot travels **8.5 cm**.
	Robot travels **0 cm**.

© 2022 Dr. Krista Francis & Stefan Rothschuh