



Let's see how fast Thymio can move!

Step 1: Watch the video below and get the supplies for the mission.



Tape measure

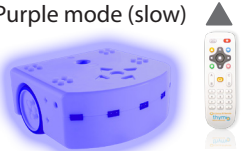
Stopwatch

Step 2: Scan the QR code below to learn how to calibrate Thymio to go straight if it turns a little.



Step 3: Find the speed of Thymio for different modes and wheel sizes. To do this, make Thymio go forward for 6 seconds and measure the distance. Then multiple by 10 to find cm/minute.

Purple mode (slow)



$$\frac{\boxed{\phantom{000}} \text{ centimeters}}{6 \text{ seconds}} \times 10$$

$$\times 10$$

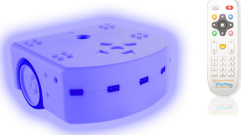


$$\frac{\boxed{\phantom{000}} \text{ centimeters}}{60 \text{ seconds}}$$



$$\frac{\boxed{\phantom{000}} \text{ centimeters}}{1 \text{ minute}}$$

Purple mode (medium)



$$\frac{\boxed{\phantom{000}} \text{ centimeters}}{6 \text{ seconds}} \times 10$$

$$\times 10$$

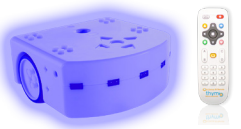


$$\frac{\boxed{\phantom{000}} \text{ centimeters}}{60 \text{ seconds}}$$



$$\frac{\boxed{\phantom{000}} \text{ centimeters}}{1 \text{ minute}}$$

Purple mode (fast)



$$\frac{\boxed{\phantom{000}} \text{ centimeters}}{6 \text{ seconds}} \times 10$$

$$\times 10$$

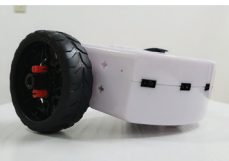


$$\frac{\boxed{\phantom{000}} \text{ centimeters}}{60 \text{ seconds}}$$



$$\frac{\boxed{\phantom{000}} \text{ centimeters}}{1 \text{ minute}}$$

Big wheel Thymio (fast)



$$\frac{\boxed{\phantom{000}} \text{ centimeters}}{6 \text{ seconds}} \times 10$$

$$\times 10$$



$$\frac{\boxed{\phantom{000}} \text{ centimeters}}{60 \text{ seconds}}$$



$$\frac{\boxed{\phantom{000}} \text{ centimeters}}{1 \text{ minute}}$$

Step 4: Take pictures or videos of your fastest Thymio and share its speed!

