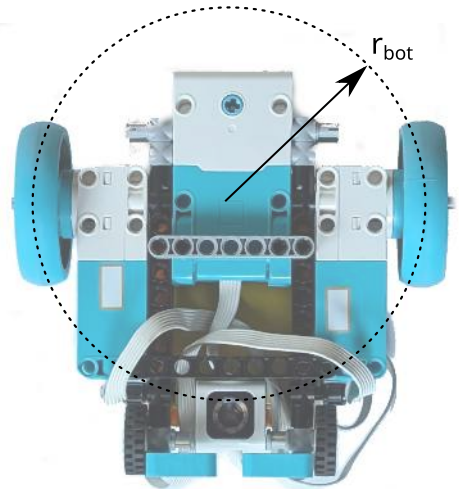


Radius: A line segment that joins the center of a circle with any point on its circumference.

Diameter: A straight line segment passing through the center of a circle.

Circumference: The arc length of the circle, as if it were opened up and straightened out to a line segment.

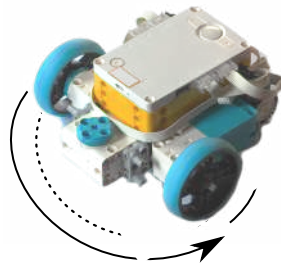
$$C = \pi D = 2\pi r$$



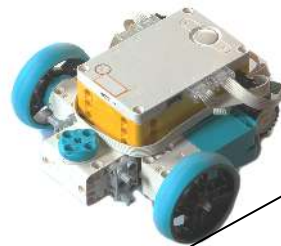
1. How far does the robot move if both wheels do one motor rotation?



2. If both motors rotate in opposite directions, what is the distance each wheel must travel to turn the robot 360° ?



3. How many rotations does it take for the robot to travel X distance?



X

4. If both motors rotate in opposite directions, how many **wheel** rotations does it take to rotate the **robot** 180° ?

