



MINDSTORMS<sup>®</sup>  
EV3

EDUCATION

A decorative graphic on the left side of the slide, consisting of a white track with a red inner boundary and a black outer boundary, forming a 90-degree corner.

# LESSON: Circumference

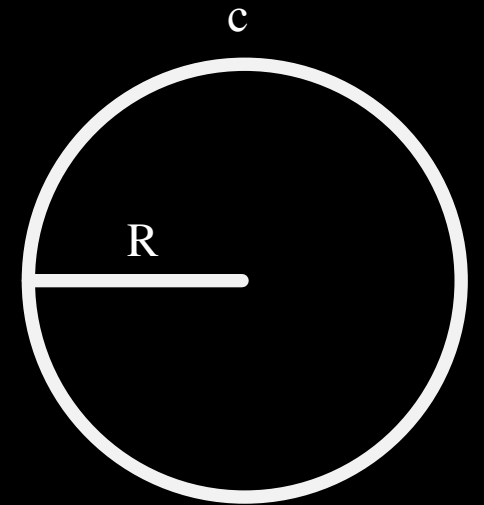
**Task:** Program the robot so it would  
successfully finish the track\_

# STEP 1

calculate Circumference\_

For that you have to:

1. Measure robot's wheel radius
2. Calculate circumference of a wheel



$$C = 2 \pi r$$



## STEP 2

Program the robot\_

**Task:** Distance of the road is 70 centimetres

drive Calculate the rotations needed for robot to  
that distance\_



