



Help Thymio stay on a ball rolling forward and backward.

Step 1: Prepare the things below.



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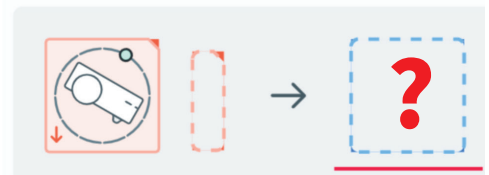
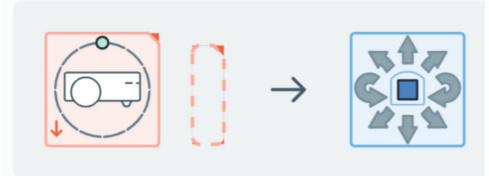
55 cm gym ball

Stopwatch

Step 2: Watch the demonstration video.



Program Hint



Step 3: Make the VPL3 program and find your best time!

1. Make a starting line and a finish line with a distance of 1 meter.
2. Make a program with VPL3 that helps Thymio balance and stay on the ball.
3. Put the ball on the starting line and put Thymio on the ball facing the finish line.
4. Start the stopwatch and use your hands to slowly roll the ball to the finish line.
5. If Thymio falls off, catch it and start over.
6. Write down your fastest time.



If Thymio cannot move easily on the ball, pump it up more and add a line of smooth tape around the equator.

Fastest Time

seconds

Step 4: Share pictures and videos of your mission!



Baller Thymio

Share your work!





Help Thymio stay on a ball rolling on a square.

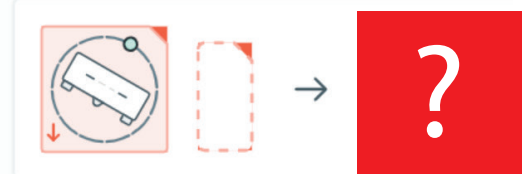
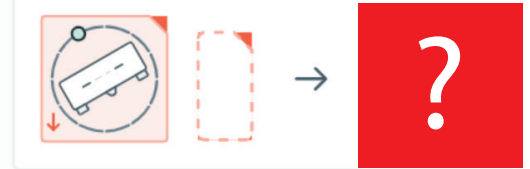
Step 1: Prepare the things below.



Step 2: Watch the demonstration video.



Program Hint (continue from last mission)



Step 3: Make the VPL3 program and find your best time!

1. Make a 1-meter square on the ground with tape.
2. Make a program with VPL3 that helps Thymio balance and stay on the ball going forward, backward, left, or right.
3. Put the ball on the square and put Thymio on the ball.
4. Start the stopwatch and use your hands to slowly roll the ball around the square.
5. If Thymio falls off, catch it and start over.
6. Write down your fastest time.



If Thymio cannot move easily on the ball, pump it up more and add a line of smooth tape around the equator.

Fastest Time

: seconds

Step 4: Share pictures and videos of your mission!

