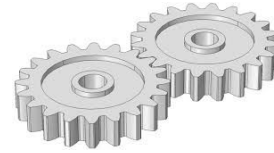


## Challenge 3 - Manipulating Rover

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### Objective

Design a robot that can pick up an object from a fixed location and move to another. Then repeat the process in a certain amount of time.

### Procedure

1. You will complete a challenge that includes the following tasks:
  - A. Retrieve a ball from a fixed location
  - B. Move the ball to another fixed location, and drop the ball into the stationary cup.
  - C. Repeat the process a second time.
  - D. Complete the challenge in under 25 seconds.
2. You have approximately 4 class periods to complete this task.
3. Sketch your robot design before you begin building.
4. Build your robot in class.
5. Test your robot to ensure you can complete each task.
6. Make improvements to your robot. The improvements might be to improve the reliability, functionality, or controllability of the robot.
7. Complete the challenge using your robot.

*Good Luck!*