

A DROP IN THE BUCKET

Instructions:

- Place the ball in one hand stretched out to your side.
- Have another person record as you run to drop the ball in the middle bucket.
- Each team member takes a turn and records their points.
- After 4 rounds, add up each member's total and calculate the group's mean.

Record your points in the following table:

Team Member	Round 1	Round 2	Round 3	Round 4	Total
1.					
2.					
3.					
4.					
5.					

Reflection Questions:

- How is the inertia of the occupants inside the car related to the inertia of the ball in your hand?
- How does your sketch of the man's motion compare to the motion of the falling ball?
- Are both the man and the ball considered projectiles?
- What effect does gravity, paired with inertia, have on the motion of the man and falling ball?