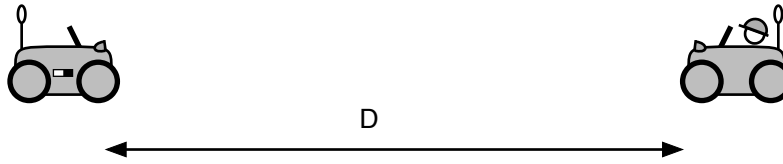


Challenge Lab: Constant Speed Cars

Purpose: Predict where two constant speed cars will meet.

Materials: 1 fast car 1 slow car meter stick stopwatch



Procedure:

- On your lab table, determine the speeds of the two cars using stop watches and meter sticks. You can do whatever you like, but the cars must stay on your lab table. Put your data and work in the space below.
- Measure the total distance to be traveled by the cars. The "track" will be set up in the front of the room. Placing the cars at opposite ends of the track, predict where they will meet. Show your work in the space below.
- When you are happy that your work is accurate and correct, tell your teacher and go to the track. Place the marker at your predicted meeting point. Release the cars, and your teacher will mark where they actually meet and then measure the distance between your prediction and reality. (This may be the first time you had an assessment where you are hoping to hear the teacher say "That's a zero!")

Speed of Cars:

Meeting Point:

Distance between predicted meeting point and actual meeting point: _____