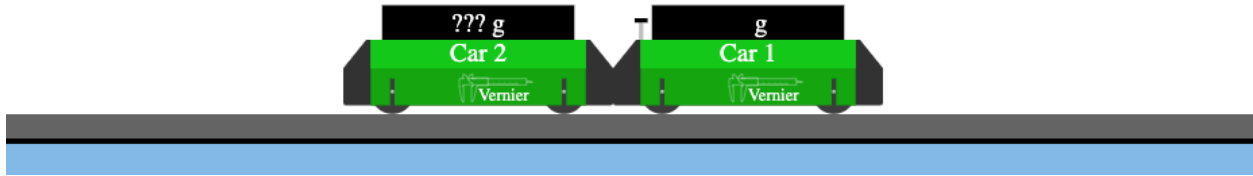# Momentum Conservation 1 (Both @ Rest)

Step 1: Give the mass on top of car 1 and then give the total mass of car 1 in the space below.

Step 2: After you trigger your plunger and the cars move apart, give the velocity of each of the cars with a velocity vector arrow in the picture below.

Step 3: Use conservation of momentum to find the total mass of car 2. Show all your work neatly in the space below.

Step 4: Finally, find the mass on top of car 2. Enter your answers into the program to see if you did all your work correctly.