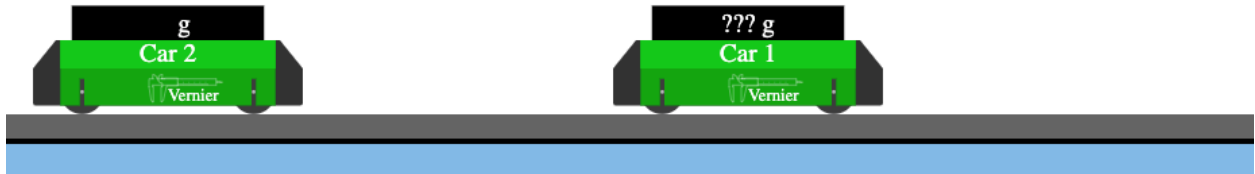# Perfectly Inelastic Collision

Step 1: Show the masses on top of each car and the velocity of car 1 in the picture below

Step 2: Calculate the total momentum and the total kinetic energy of the system before the collision. Show your work neatly below

Step 3: Use conservation of momentum to find the velocity of the two cars that are stuck together after the collision. Show all your work neatly in the space below.

Step 4: Finally, find the total kinetic energy after the collision and then see how much kinetic energy was lost in the collision. Enter your answers into the program to see if you did all your work correctly.