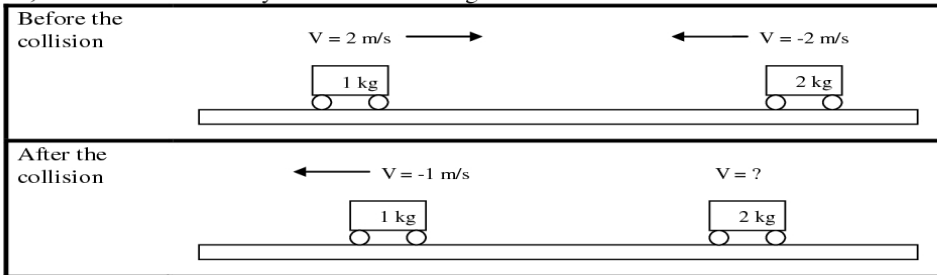


Conservation of Momentum Worksheet

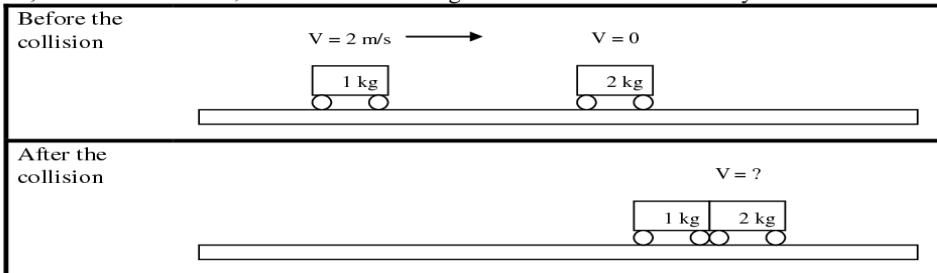
Name _____

Do your work on another page!!! Assume that the sum of any external forces acting on the system is zero. *Note: The arrows are just supposed to show the direction of the car's movement. They do not represent the magnitude of the velocity.*

1) Find the final velocity of the car on the right hand side.



2) After the collision, the two cars stick together. Find the final velocity of the two cars.



3) After the collision, the two cars stick together. Find the initial velocity of the car on the right hand side.

