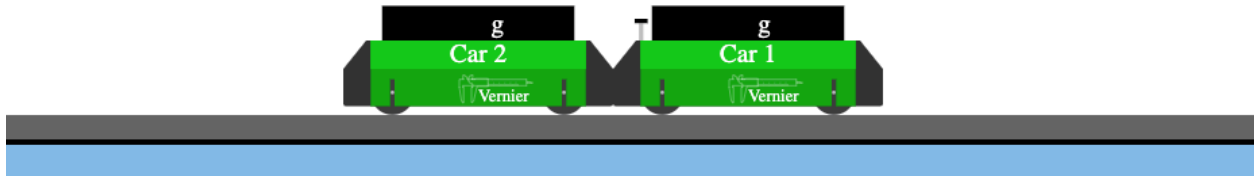


# Energy and Momentum Level 1

Step 1: Give the mass on top of each car and the amount of energy that will be imparted to the cars by the spring in the space below



Step 2: You are going to do two separate equations to find the velocity of the two cars after they are pushed apart by the spring. In one of the equations you will be doing energy conservation and in the other you will be doing momentum conservation. Show this work below.

Step 3: Enter your answers into your program (remember to make velocities pointing to the left negative) to see if you did everything correctly.