Momentum Quiz Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Answer the following questions. Put your final answer in the box and show your work.*

1. A 1-kilogram turtle crawls in a straight line at a speed of 0.01 m/sec. What is the turtle’s momentum?
2. The momentum of a car traveling in a straight line at 20 m/sec is 24,500 kg·m/sec. What is the car’s mass?



1. *Using the picture to the right, answer the following question.* A railroad car slams into another railroad car that is at rest and they combine. What is the velocity of the two cars after they collide and combine?

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