

Period: _____

$$S=d/t \quad v=d/t \text{ (+direction)} \quad M=mxv$$

- Always Write the Formula
- Substitute with Units of Measure
- Solve one step at a Time

1. A car travels 3500 meters in 70 seconds, what is its speed?
2. The same car has a mass of 1500kg. What is its momentum when traveling at the above speed?
3. What happens to the car's momentum if the speed is reduced to 25m/s?
4. Two cars are traveling at the same speed, but in opposite directions. If one car has twice the mass of the other, describe the momentum of each car.