

### Work/Power/Momentum Worksheet

1. What is the work involved with a car, if it has a force of 10N and travels 6m?
2. What is the power involved for that same car, if it travels for 2 seconds?
3. What is the momentum of the train if it has a velocity of 4 m/s and a mass of 6000kg?
4. What is the mass of an object that has a velocity of 6.2 m/s and momentum of 62 kg\*m/s?
5. How far would I have to push the desk in order to do 600 Joules of work if I pushed it with a constant force of 100 Newtons?
6. If I push a desk for 5 seconds with a power of 150 Watts how much work is being done on the desk?