Kinetic Energy

Video Tutorial

http://youtu.be/**vru-7jCo3cQ**

Examples:

1. A 6000kg transport truck is moving at 25 m/s. Calculate the kinetic energy of the transport truck.

2. How fast would Dan have to run (m = 70kg) in order to have the same amount of kinetic energy as the truck in part 1?

3. A 1200kg car is travelling on the highway at a specific unknown speed. The driver presses the gas pedal doing 10,000 J of work on the car accelerating it to a speed of 50m/s.   Calculate the initial speed of the car.