CHECK FOR UNDERSTANDING: $KE = \frac{1}{2} \times mass \times speed^2$

1. A car is travelling at a velocity of 10 m/s and it has a mass of 250 Kg. Compute its Kinetic energy?

   m = _____kg
   V = _____m/s
   KE = _____J

2. What is the Kinetic Energy of a 150 kg object that is moving with a speed of 15 m/s?

   m = _____kg
   V = _____m/s
   KE = _____J

3. What is the Kinetic Energy of a 1200 kg object that is moving with a speed of 24 m/s?

   m = _____kg
   V = _____m/s
   KE = _____J

4. What is the Kinetic Energy of a 478 kg object that is moving with a speed of 15 m/s?

   m = _____kg
   V = _____m/s
   KE = _____J

5. What is the Kinetic Energy of a 100 kg object that is moving with a speed of 12.5 m/s?

   m = _____kg
   V = _____m/s
   KE = _____J