

## **Kinetic Energy Practice Problems**

1. What is the Kinetic Energy of a 150 kg object that is moving with a speed of 15 m/s?
2. An object has a kinetic energy of 25 J and a mass of 34 kg , how fast is the object moving?
3. An object moving with a speed of 35 m/s and has a kinetic energy of 1500 J, what is the mass of the object.
4. What is the Kinetic Energy of a 1200 kg object that is moving with a speed of 24 m/s?
5. An object has a kinetic energy of 14 J and a mass of 17 kg , how fast is the object moving?
6. An object moving with a speed of 67 m/s and has a kinetic energy of 500 J, what is the mass of the object.
7. What is the Kinetic Energy of a 478 kg object that is moving with a speed of 15 m/s?
8. An object has a kinetic energy of 88 J and a mass of 45 kg , how fast is the object moving?
9. An object moving with a speed of 21 m/s and has a kinetic energy of 140 J, what is the mass of the object.
10. What is the Kinetic Energy of a 100 kg object that is moving with a speed of 12.5 m/s?