



p = mv

1. Find the momentum of a truck of mass 2,000 kg moving at a speed of 14 ms⁻¹

2. A meteor of mass 80 kg is moving with speed 300 ms⁻¹. Find the momentum of the meteor.



3. The Apollo 11 command module has a mass of 30,000 kg and moves with a speed of 1500 ms⁻¹. Find its m... m.

4. The momentum of a 50 kg space ship is 2,500 kg ms⁻¹. Find its speed.



5. A small ball of mass 0.25 kg has a momentum of 8 kg ms⁻¹. Determine the speed of the ball.



6. A 70 kg skier has a momentum of 280 kg ms⁻¹. Find the speed of the skier.



7. A 2000 kg truck has kinetic energy of 144,000 J. Determine the momentum of the truck.



8. A 70 kg skateboarder has kinetic energy of 2,240 J. Determine the momentum of the skateboarder.



9. A asteroid has kinetic energy 1.35×10^{11} J. It has a mass of 3×10^{6} kg. Determine the momentum of the asteroid.