

Momentum

Revision QUIZ

Name : _____

Grade: _____

- 1 Is momentum a vector or a scalar quantity?
- 2 What are the units of momentum?
- 3 What is the momentum of a 2 kg mass travelling at 5 m/s? ...
- 4 A force changes the momentum of an object from 4 kg m/s to 10 kg m/s in 2 seconds. How big is the force? ...
- 5 A force of 10 N acts for $\frac{1}{5}$ th second. What is the change in momentum? ...
- 6 If the total momentum before a collision is 10 kg m/s, what is the total momentum after the collision?
- 7 Momentum is conserved in a collision, but what happens to the total kinetic energy?
- 8 Why do cars have crumple zones designed into them?
- 9 What can you say about the design of a seat-belt?
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- 10 Why does a water-rocket move? ...