

Numericals

Practice. Learn. Succeed

Sub : Science

Grade: IX

Date:

Name:

ID No.....

1. Calculate the magnitude of force required to stop a car moving with a velocity of 30 m/s in 10 seconds. The mass of the car is 1,500 kg.

2. A force produces an acceleration of 1ms^{-2} in a body of mass 4 kg. If the same force acts on a body of 1 kg mass, how much acceleration will be produced in it?

3. A force of 10 N produces an acceleration of 5ms^{-2} when it acts on one body and 2ms^{-2} when it acts on another body. If the two bodies are tied together and the same force is applied, what will be the acceleration produced?
