

A force can cause

- (a) a stationary object to start moving
- (b) a moving object to decrease speed
- (c) a moving object to change its direction of motion
- (d) all of above

A van of mass 1200 kg accelerates from rest to  $25 \text{ ms}^{-1}$  in 8 s. By assuming that there is no friction, forward thrust of car is

- (a) 4000 N
- (b) 5000 N
- (c) 6000 N
- (d) 3000 N

Most famous scientist and first modern physicist was

- (a) Albert Einstein
- (b) Michael Faraday
- (c) Isaac Newton
- (d) Niels Bohr

Velocity, displacement and force are examples of

- (a) fiscal quantities
- (b) scalar quantities
- (c) vector quantities
- (d) negative quantities

Gravitational pull of Earth on an object

- (a) friction
- (b) tension
- (c) weight
- (d) contract force