

EX 21.1

Force and momentum



Δt = time force is applied
 Δp = change in momentum

- 1) If $F' = 3F$
then $\Delta p' = 3\Delta p$
If $\Delta t' = 3\Delta t$
then $\Delta p' = 3\Delta p$

$$\Delta p = F \Delta t$$

- 2) The momentum could be decreased if F is applied in the opposite direction as the initial velocity of m .