Important Points

- $a = \dfrac{\Sigma F}{m}$ => relationship between m and a
- t is same
- ΣF is constant
- Correct Answer
- no acceleration in x direction
- relationship between initial Velocity and distance
- different masses will have different V_o's
- relationship between a and V
- acceleration due to gravity is constant

$$\Delta X = V_o t + \dfrac{1}{2} a t^2$$