

11 A stationary ball of mass m is hit by a bat. The ball leaves the bat with velocity v .

The bat is in contact with the ball for a short time Δt .

What is the average force of the bat on the ball?

- A** $mv\Delta t$ **B** $\frac{mv}{\Delta t}$ **C** $\frac{1}{2}mv^2\Delta t$ **D** $\frac{\frac{1}{2}mv^2}{\Delta t}$