

- 7 A particle of mass m travelling with velocity u collides elastically and head-on with a stationary particle of mass M .

Which expression gives the velocity of the particle of mass M after the collision?

- A** u **B** $\frac{mu}{M}$ **C** $\frac{2mu}{M+m}$ **D** $\frac{(M-m)u}{M+m}$