

8 A ball of mass 0.040 kg hits a wall perpendicularly with speed of 2.40 m s^{-1} .

The change in momentum of the ball due to the collision with the wall is 0.120 kg m s^{-1} .

What is the rebound speed of the ball immediately after the collision?

- A** 0.60 m s^{-1} **B** 1.25 m s^{-1} **C** 3.00 m s^{-1} **D** 5.40 m s^{-1}

9 Two objects, moving along a frictionless surface, collide inelastically.