

3 A ball of mass 80 g collides with a vertical wall. The ball has a velocity of 23 m s^{-1} in a horizontal direction. After hitting the wall, the ball moves with a velocity of 18 m s^{-1} in the opposite direction.

What is the magnitude of the impulse provided by the wall?

A 0.40 N s

B 3.3 N s

C 400 N s

D 3300 N s

