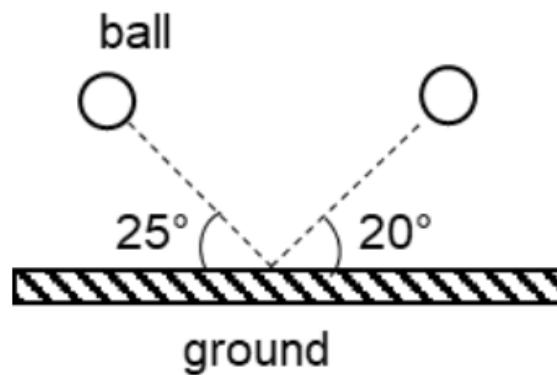


- 5 A ball of mass 140 g is moving towards the ground at an angle of 25° . It hits the ground at 20 m s^{-1} and bounces off with a speed of 15 m s^{-1} at an angle of 20° .



What is the magnitude of the impulse exerted on the ball?

A 1.9 N s

B 2.0 N s

C 4.9 N s

D 32 N s