

8 A moving body undergoes uniform acceleration while travelling in a straight line between points X, Y and Z. The distances XY and YZ are both 40 m. The time to travel from X to Y is 12 s and from Y to Z is 6.0 s.

What is the acceleration of the body?

A 0.37 ms^{-2}

B 0.49 ms^{-2}

C 0.56 ms^{-2}

D 1.1 ms^{-2}

9 A particle of mass 2 kg and velocity v strikes a wall.