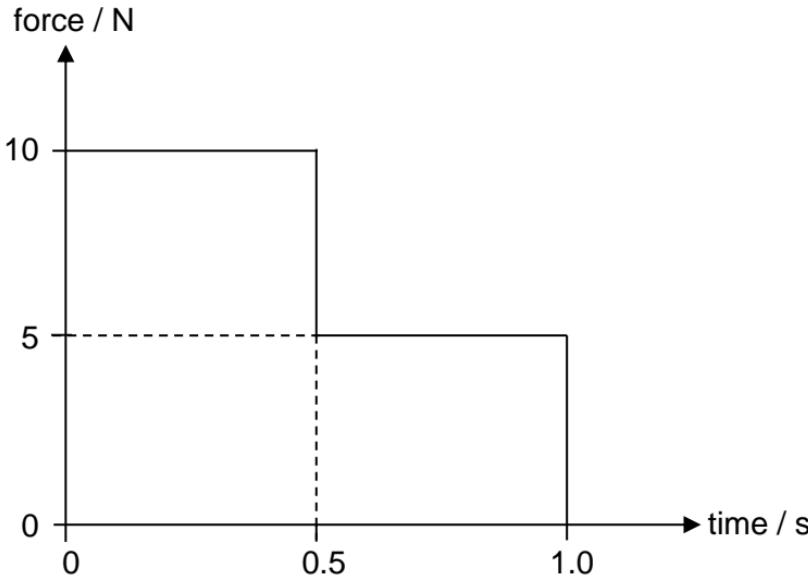


- 4 The force acting on a 3.0 kg mass varies with time as shown.
The object is initially moving at a velocity of 0.50 m s^{-1} in the same direction as the force.



What is the speed of the mass after 1.0 s?

- A** 2.5 m s^{-1} **B** 3.0 m s^{-1} **C** 5.0 m s^{-1} **D** 7.5 m s^{-1}