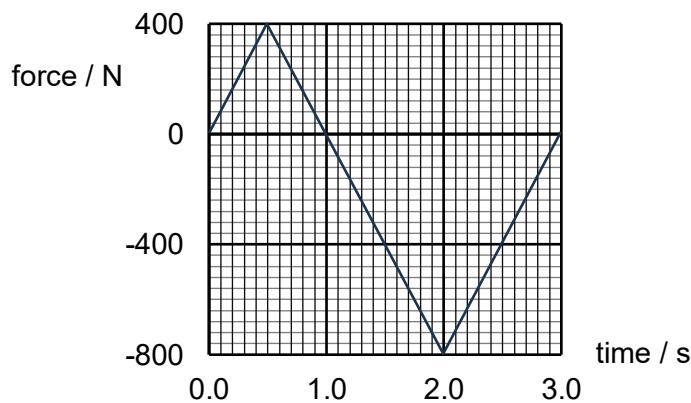


- 6 A motorcycle of mass 400 kg is travelling at a speed of 4.5 m s^{-1} when it experiences an accelerating force for 1.0 s, followed by a retarding force for 2.0 s as shown.



What is the speed of the motorcycle after 3.0 s?

- A 1.5 m s^{-1} B 3.0 m s^{-1} C 4.5 m s^{-1} D 6.0 m s^{-1}