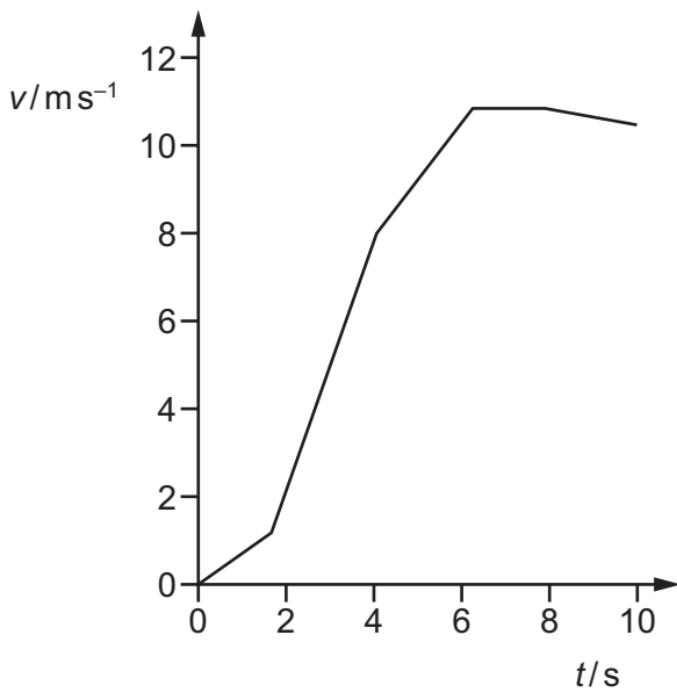


- 9 The graph shows how the speed v of a sprinter changes with time t during a 100 m race.



What is the best estimate of the maximum acceleration of the sprinter?

A 0.5 ms^{-2}

B 1 ms^{-2}

C 3 ms^{-2}

D 10 ms^{-2}

- 10 A tennis ball is dropped onto a table and bounces back up. The table exerts a force F on the ball.