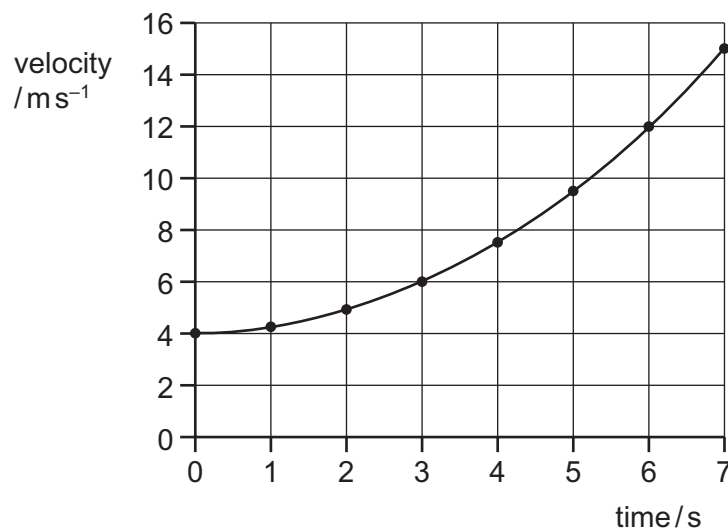


- 8 The diagram shows a velocity-time graph for a vehicle.



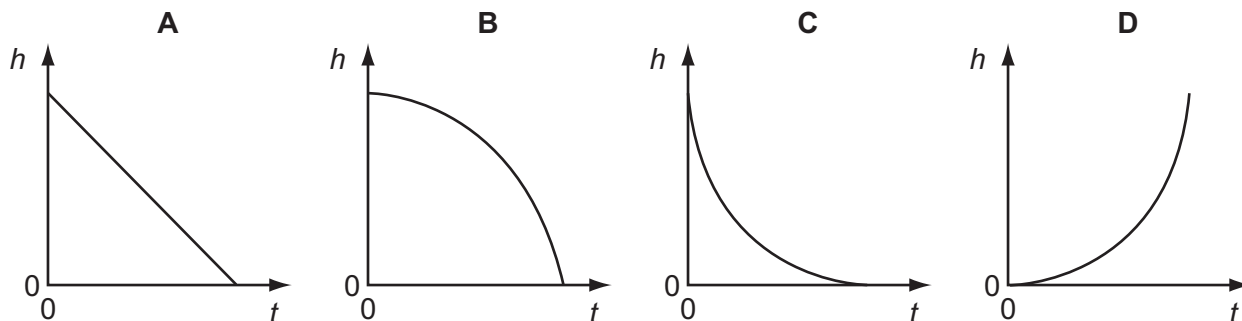
The vehicle, moving at 4.0 ms^{-1} , begins to accelerate at time = 0.

What is the vehicle's acceleration at time = 3.0 s?

- A** 0.67 ms^{-2} **B** 1.0 ms^{-2} **C** 1.3 ms^{-2} **D** 2.0 ms^{-2}

- 9 A small steel ball falls freely under gravity after being released from rest.

Which graph best represents the variation of the height h of the ball with time t ?



Space for working