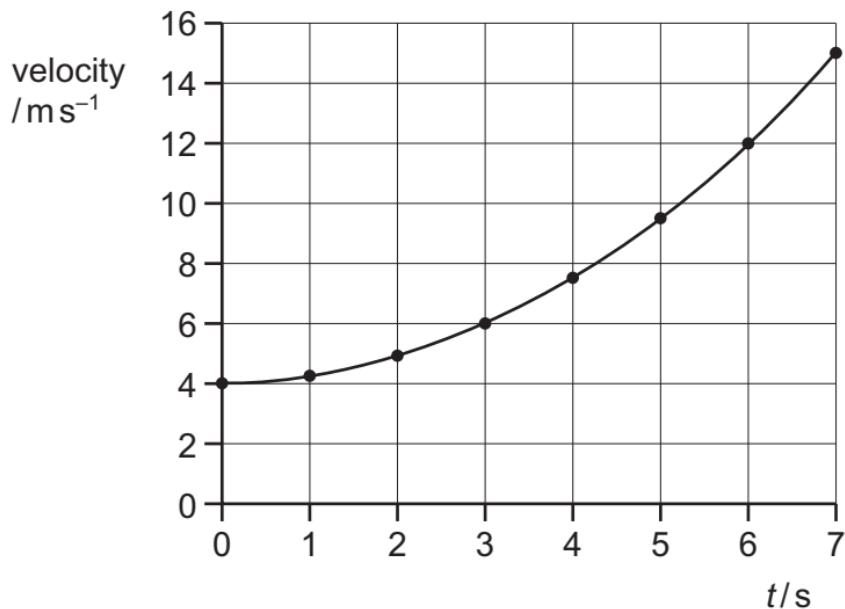


6 The graph shows the variation with time t of the velocity of a vehicle moving in a straight line.



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

What is the vehicle's acceleration at time $t = 3.0 \text{ s}$?

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