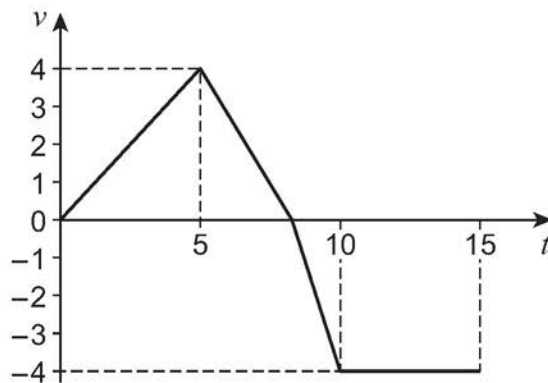


15

A car is moving in a straight line along a horizontal road.

The graph below shows how the car's velocity $v \text{ m s}^{-1}$ changes with time, t seconds.



Over the period $0 \leq t \leq 15$ the car has a total displacement of -7 metres.

Initially the car has velocity 0 m s^{-1}

Find the next time when the velocity of the car is 0 m s^{-1}

[4 marks]