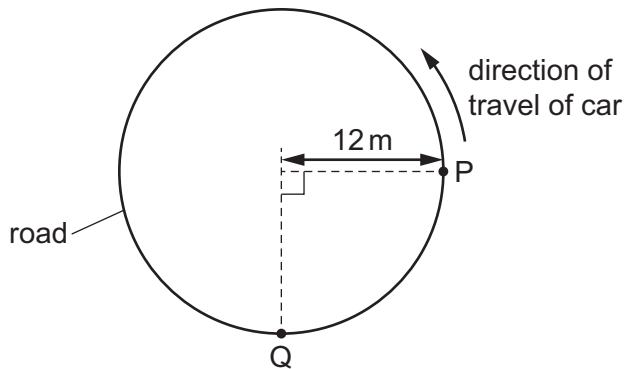


5 A car travels anticlockwise along a horizontal circular road of radius 12 m, as shown.

The car takes a time of 4.0 s to move from position P to position Q.



What is the magnitude of the average velocity of the car for the journey from P to Q?

A 4.2 m s^{-1}

B 4.7 m s^{-1}

C 6.0 m s^{-1}

D 14 m s^{-1}