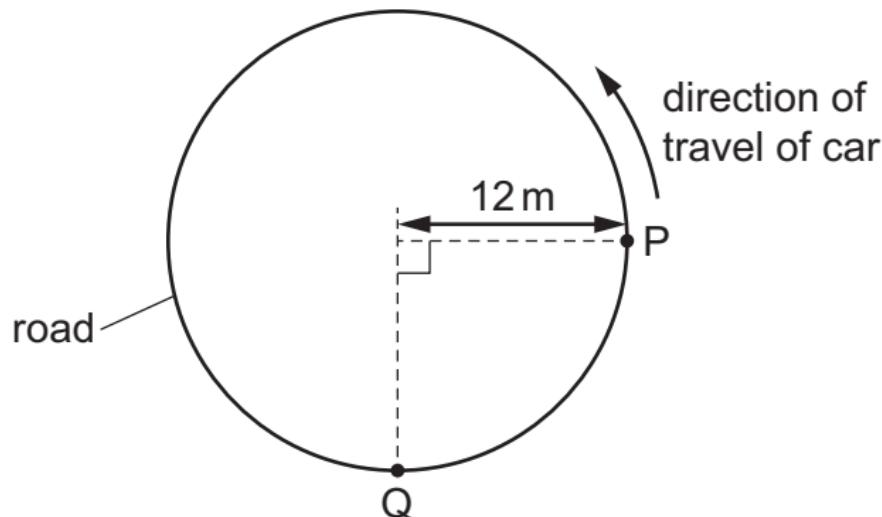


5 A car travels anticlockwise along a horizontal circular road of radius 12 m, as shown.

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**  $4.2 \text{ ms}^{-1}$
- B**  $4.7 \text{ ms}^{-1}$
- C**  $6.0 \text{ ms}^{-1}$
- D**  $14 \text{ ms}^{-1}$