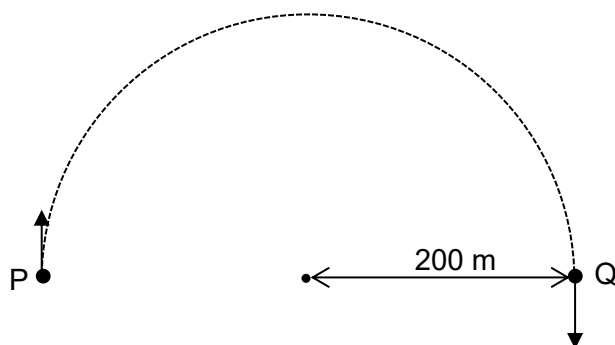


- 9 A car moves from points P to Q along a horizontal semicircular path with constant speed. The radius of the path is 200 m and the time taken to complete the trip is 30 s.



Which row shows the magnitudes of the linear speed and average velocity of the car?

| | linear speed / m s^{-1} | average velocity / m s^{-1} |
|----------|----------------------------------|--------------------------------------|
| A | 21 | 13 |
| B | 21 | 21 |
| C | 42 | 13 |
| D | 42 | 21 |