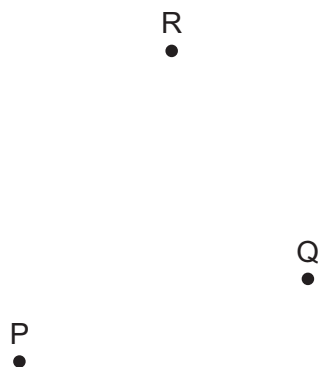


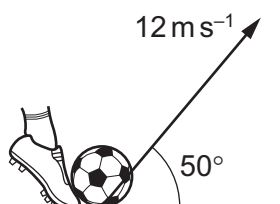
- 5 One object moves directly from P to R.



In a shorter time, a second object moves from P to Q to R.

Which statement about the two objects is correct for the journey from P to R?

- A They have the same average speed.
 - B They have the same average velocity.
 - C They have the same displacement.
 - D They travel the same distance.
- 6 A ball is kicked so that it has an initial velocity of 12 m s^{-1} at an angle of 50° to horizontal ground. Assume that air resistance is negligible.



What is the maximum height above the ground that is reached by the ball?

- A 0.47 m B 3.0 m C 4.3 m D 7.3 m