A micrometer screw gauge is used to measure the diameter of a small uniform steel sphere. The micrometer reading is 5.00 mm ± 0.01 mm.
What will be the percentage uncertainty in a calculation of the volume of the sphere, using these values?
A 0.2%
B 0.4%
C 0.6%
D 1.2%

6 One object moves directly from P to R.

Q •

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.

Space for working