

- 4** In an experiment, a radio-controlled car takes  $2.50 \pm 0.05$  s to travel  $40.0 \pm 0.1$  m.

What is the car's average speed and the uncertainty in this value?

- A**  $16 \pm 1 \text{ m s}^{-1}$
- B**  $16.0 \pm 0.2 \text{ m s}^{-1}$
- C**  $16.0 \pm 0.4 \text{ m s}^{-1}$
- D**  $16.00 \pm 0.36 \text{ m s}^{-1}$