

**3** The diameter of a ball is measured as  $(5.26 \pm 0.02)$  cm.

What is the absolute uncertainty in the volume of the ball?

**A**  $0.29 \text{ cm}^3$

**B**  $0.87 \text{ cm}^3$

**C**  $1.1 \text{ cm}^3$

**D**  $7.0 \text{ cm}^3$