

- 5** The diameter of a spherical golf ball is measured with calipers and found to be  $(4.11 \pm 0.01)$  cm.

The volume of a sphere is  $V = \frac{1}{6} \pi d^3$ , where  $d$  is the diameter of the sphere.

What is the volume of the golf ball?

- A**  $(36.35 \pm 0.01) \text{ cm}^3$
- B**  $(36.35 \pm 0.03) \text{ cm}^3$
- C**  $(36.35 \pm 0.09) \text{ cm}^3$
- D**  $(36.4 \pm 0.3) \text{ cm}^3$