

- 3** Two measurements for a solid sphere are shown.

$$\text{mass} = (32.5 \pm 0.1)\text{g}$$

$$\text{diameter} = (1.87 \pm 0.04)\text{cm}$$

These values are used to determine the density of the sphere.

What is the percentage uncertainty in the density?

- A** 2.4% **B** 4.6% **C** 6.1% **D** 6.7%