

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%