3 A solid bar has a square cross-section. Its length is measured as $50.0\pm0.2\,\text{cm}$ and its width is measured as $2.00\pm0.01\,\text{cm}$.

These values are used to calculate the volume of the bar.

What is the percentage uncertainty in the calculated volume?

A ±0.21%   **B** ±0.22%   **C** ±0.90%   **D** ±1.4%