

**3** A digital meter is used to measure the current in an electric circuit.

The reading on the meter fluctuates (varies) between 3.04 A and 3.08 A. The readings on the meter have an accuracy of  $\pm 1\%$ .

What is the true value of the current, with its uncertainty?

**A**  $(3.06 \pm 0.02) \text{ A}$

**B**  $(3.06 \pm 0.04) \text{ A}$

**C**  $(3.06 \pm 0.05) \text{ A}$

**D**  $(3.06 \pm 0.07) \text{ A}$