

5 A digital meter has an accuracy of $\pm 1\%$.

The meter is used to measure the current in an electrical circuit.

The reading on the meter varies between 3.04 A and 3.08 A.

What is the 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 $(3.06 \pm 0.07) \text{ A}$

6 A tennis ball is thrown horizontally in air from the top of a tall building