

6 An experiment is done to measure the resistance of a wire.

The current in the wire is $1.0 \pm 0.2\text{ A}$ and the potential difference across the wire is $8.0 \pm 0.4\text{ V}$.

What is the resistance of the wire and its uncertainty?

- A** $(8.0 \pm 0.2)\Omega$
- B** $(8.0 \pm 0.6)\Omega$
- C** $(8 \pm 1)\Omega$
- D** $(8 \pm 2)\Omega$

7 A particle is moving in a straight line with uniform acceleration.