

**6** The resistance  $R$  of an unknown resistor is found by measuring the potential difference  $V$  across the resistor and the current  $I$  through it and using the equation  $R = \frac{V}{I}$ . The voltmeter reading has a 3% uncertainty and the ammeter reading has a 2% uncertainty.

What is the uncertainty in the calculated resistance?

**A** 1.5%

**B** 3%

**C** 5%

**D** 6%

**7** An experiment is done to measure the acceleration of free fall of a body from rest.