

- 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