

- 6** In a simple electrical circuit, the current in a resistor is measured as (2.50 ± 0.05) mA. The resistor is marked as having a value of $4.7 \, \Omega \pm 2\%$.

If these values were used to calculate the power dissipated in the resistor, what would be the percentage uncertainty in the value obtained?

- A** 2% **B** 4% **C** 6% **D** 8%

- 7** A raindrop falls vertically from rest in air. The variation with time of the speed of the raindrop is