7	The speed of a car is calculated from measurements of the distance travelled and the time taken.
	The distance is measured as 200 m, with an uncertainty of ±2 m.
	The time is measured as 10.0 s, with an uncertainty of ±0.2 s.
	What is the percentage uncertainty in the calculated speed?
	A $\pm 0.5\%$ B $\pm 1\%$ C $\pm 2\%$ D $\pm 3\%$

8 A science museum designs an experiment to show the fall of a feather in a vertical glass vacuum tube.

The time of fall from rest is to be close to 0.5 s.

What length of tube is required?

A 1.3 m **B** 2.5 m **C** 5.0 m **D** 10.0 m

Space for working