

- 4** When performing an experiment, a student should minimise the uncertainty of any measurement.

In which case is the student reducing the systematic error in a measurement?

- A** adjusting a voltmeter needle pointer to the zero position before using it to measure a potential difference
- B** measuring the diameter of a wire at several points and orientations
- C** measuring the mass of 100 paperclips to determine the mass of one paperclip
- D** timing 20 oscillations of a mass on a spring to determine the period of one oscillation