

- 1 An instrument gives a numerical reading of  $0.00160 \pm 0.00005$ .

Which statement is correct?

- A The actual uncertainty is 5.
- B The fractional uncertainty is  $5 \times 10^{-5}$ .
- C The fractional uncertainty is  $\frac{5}{16}$ .
- D The percentage uncertainty is 3%.

- 2 What is the order of magnitude of the energy of an electron when it hits the screen of a