

**5** A student wishes to measure a distance of about 10 cm to a precision of 0.01 cm.

Which measuring instrument should be used?

**A** metre rule

**B** micrometer

**C** tape measure

**D** vernier calipers

**6** An aircraft, initially stationary on a runway, takes off with a speed of  $85 \text{ km h}^{-1}$  in a distance of 100 m.