

- 2 The manufacturers of a digital voltmeter give, as its specification,  
‘accuracy  $\pm 1\%$  with an additional uncertainty of  $\pm 10\text{ mV}$ ’.

The meter reads  $4.072\text{ V}$ .

How should this reading be recorded, together with its uncertainty?

- A  $(4.07 \pm 0.01)\text{ V}$
- B  $(4.07 \pm 0.04)\text{ V}$
- C  $(4.072 \pm 0.052)\text{ V}$
- D  $(4.07 \pm 0.05)\text{ V}$

- 3 A stone falls freely from rest to the ground. The effect of air resistance on the stone is negligible.