

**5** The width of a table is measured as  $(50.3 \pm 0.1)$  cm. Its length is measured as  $(1.40 \pm 0.01)$  m.

What is the area of the table and its absolute uncertainty?

**A**  $(0.7 \pm 0.1)$  m<sup>2</sup>

**B**  $(0.704 \pm 0.006)$  m<sup>2</sup>

**C**  $(0.704 \pm 0.011)$  m<sup>2</sup>

**D**  $(70.4 \pm 0.6)$  m<sup>2</sup>

**6** A stone is projected horizontally at time  $t = 0$  and falls. Air resistance is negligible. The stone has