

**5** The diameter of a circular disc is measured as  $(7.0 \pm 0.1)\text{mm}$ .

What is the area of the disc and the absolute uncertainty in the area?

	area of disc / mm <sup>2</sup>	absolute uncertainty / mm <sup>2</sup>
<b>A</b>	38.5	$\pm 0.5$
<b>B</b>	38	$\pm 1$
<b>C</b>	154	$\pm 2$
<b>D</b>	154	$\pm 4$