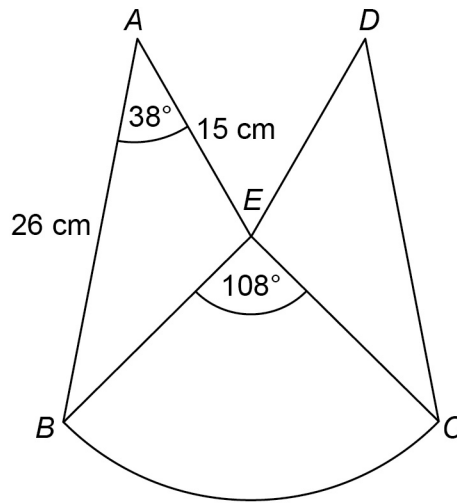**25** The diagram shows a logo.

   ABE and *DCE* are congruent triangles.

   BCE is a sector of a circle, centre *E*.

Not drawn accurately

Show that the area of the logo is 510 cm^2 to 2 significant figures.

[5 marks]