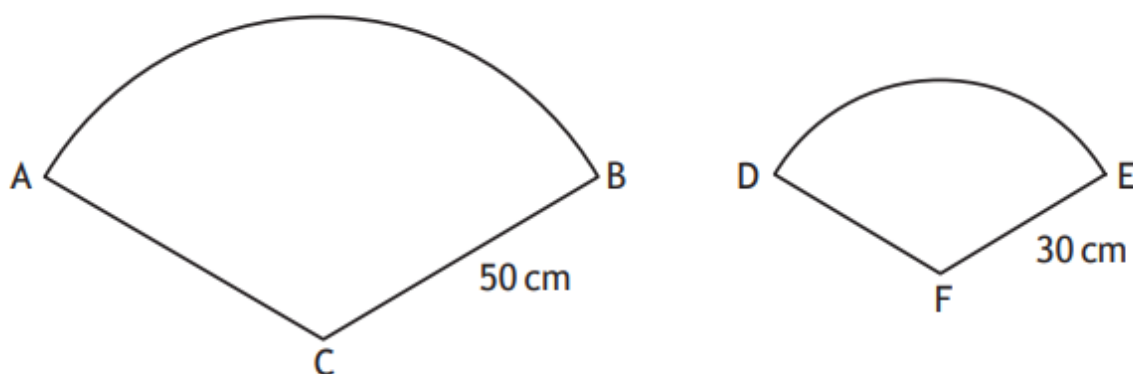


In the diagram

- ABC is a sector of a circle, centre C
- DEF is a sector of a circle, centre F.



The sectors are mathematically similar.

The area of the larger sector, ABC, is 2750 square centimetres.

- (a) Calculate the area of the smaller sector, DEF. 3
- (b) Calculate the size of angle ACB. 3

Answers:

- (a) 990 cm^2
(b) 126.1°