

Answer all TEN questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1

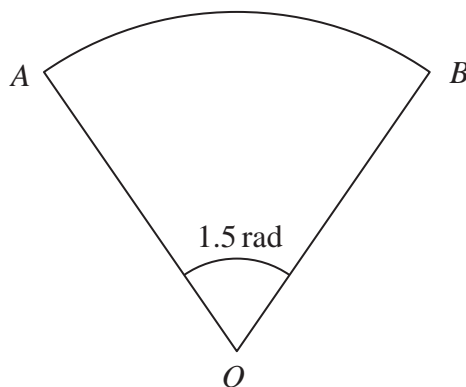


Diagram **NOT**
accurately drawn

Figure 1

Figure 1 shows a sector OAB of a circle, centre O .

The area of the sector is 27 cm^2

The size of angle AOB is 1.5 radians.

Find the perimeter of the sector.

(4)

DO NOT WRITE IN THIS AREA

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Question 1 continued

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(Total for Question 1 is 4 marks)

P 5 5 8 8 7 A 0 3 3 6