

CIRCLES & SECTORS

1. (a) A circular dinner plate has a radius of 13 cm.

Calculate the area of the plate.

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Answer cm²

(3)

- (b) A smaller circular plate has a diameter of 14 cm.

Calculate the circumference of the plate.

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Answer cm

(2)

2. A circular dish has a diameter of 9 cm. Calculate the circumference of the dish.

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Answer cm

3. A circular pond has a radius of 2.2 m.

- (a) Calculate the circumference of the pond.

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Answer m

(2)

(b) Calculate the area of the pond.

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Answer

(3)

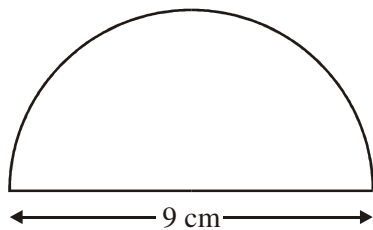
4. (a) Calculate the area of a circle of radius 8 cm.

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Answer

(3)

(b) A semi-circular protractor has a diameter of 9 cm.



Not drawn accurately

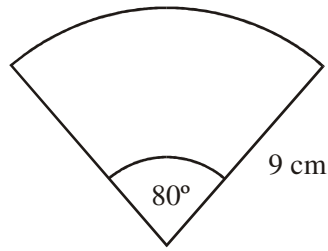
Calculate the perimeter.

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Answer cm

(3)

5. The diagram shows a sector of a circle of radius 9 centimetres.



Not drawn accurately

Find the perimeter of the sector.
Give your answer in terms of π .

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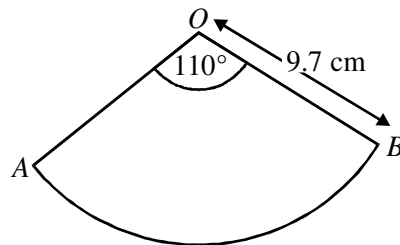
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Answer cm

6. AB is an arc of a circle, centre O , with radius 9.7 cm .
Angle $AOB = 110^\circ$.



not drawn accurately

Calculate the area of the sector OAB .

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Answer..... cm^2