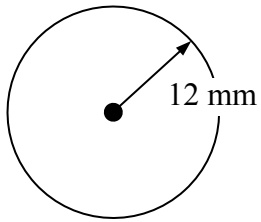
THE CIRCLE

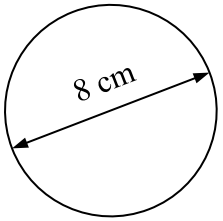
AREA OF CIRCLES, SEMI-CIRCLES AND QUADRANTS

Ref: G425.3S1

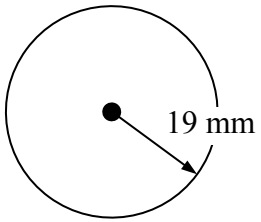
A1 Find the area of the circle



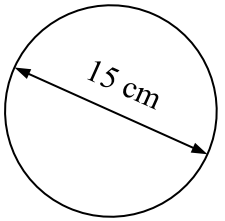
A2 Find the area of the circle



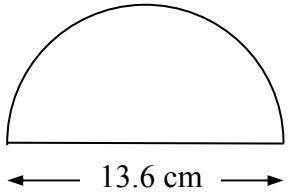
A3 Find the area of the circle



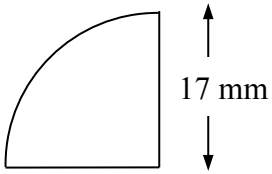
A4 Find the area of the circle



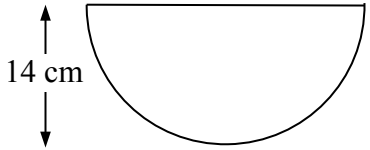
B1 Find the area



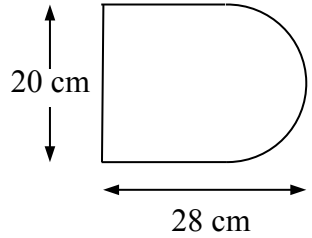
B2 Find the area



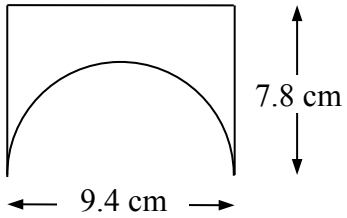
B3 Find the area



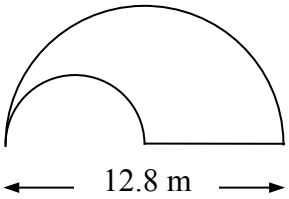
B4 Find the area



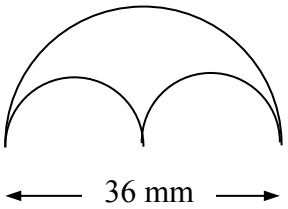
C1 Find the area



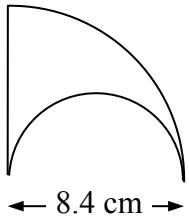
C2 Find the area



C3 Find the area



C4 Find the area



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THE CIRCLE

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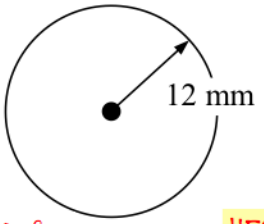
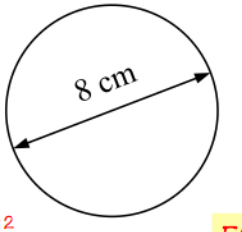
Ref: G425.3S1

A1 Find the area of the circle



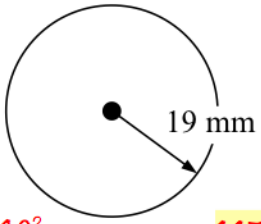
$A = \pi \times 12^2$ $= 452 \text{ mm}^2$

A2 Find the area of the circle



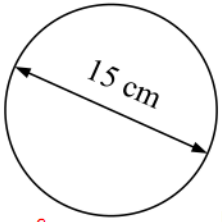
$A = \pi \times 4^2$ $= 50.3 \text{ cm}^2$

A3 Find the area of the circle



$A = \pi \times 19^2$ $= 1134 \text{ mm}^2$

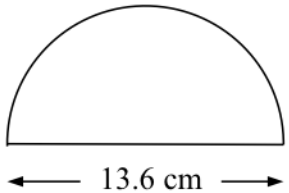
A4 Find the area of the circle



$A = \pi \times 7.5^2$ $= 177 \text{ cm}^2$

B1 Find the area

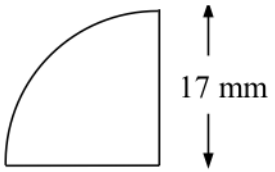
$A = \frac{\pi \times 6.8^2}{2}$



$= 72.6 \text{ cm}^2$

B2 Find the area

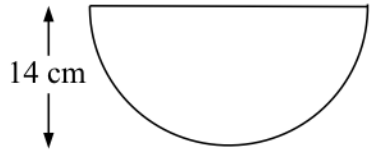
$A = \frac{\pi \times 17^2}{4}$



$= 227 \text{ mm}^2$

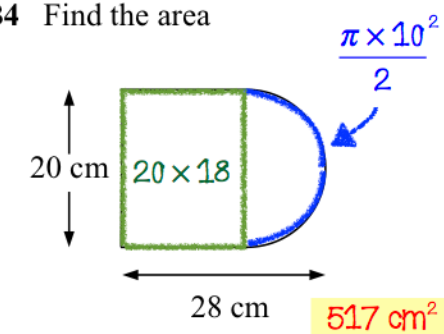
B3 Find the area

$A = \frac{\pi \times 14^2}{2}$



$= 308 \text{ cm}^2$

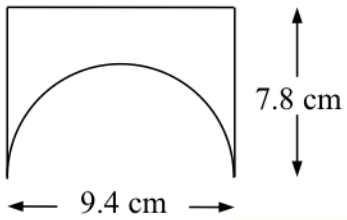
B4 Find the area



517 cm^2

C1

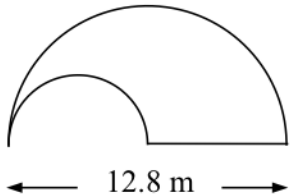
$A = 9.4 \times 7.8 - \frac{\pi \times 6.8^2}{2}$



$= 38.6 \text{ cm}^2$

C2

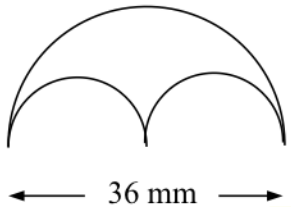
$A = \frac{\pi \times 6.4^2}{2} - \frac{\pi \times 3.2^2}{2}$



$= 48.3 \text{ m}^2$

C3

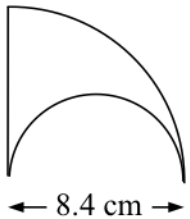
$A = \frac{\pi \times 18^2}{2} - 2 \times \frac{\pi \times 9^2}{2}$



$= 254 \text{ mm}^2$

C4

$A = \frac{\pi \times 8.4^2}{4} - \frac{\pi \times 4.2^2}{2}$



$= 27.7 \text{ cm}^2$

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