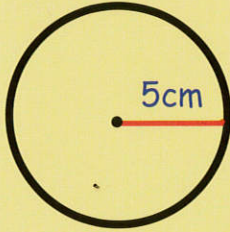




Area of a Circle

$$\text{Area} = \pi r^2$$



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$$= \pi \times 5^2$$

$$= \pi \times 25$$

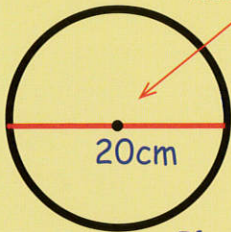
$$= 78.54\text{cm}^2$$

Always square the radius before multiplying by π

Always include the correct units
e.g. cm^2 , m^2 , mm^2 etc

If asked to give the answer in terms of π it would be $25\pi\text{cm}^2$

You can halve the diameter to find the radius



$$\text{Area} = \pi r^2$$

$$= \pi \times 10^2$$

$$= \pi \times 100$$

$$= 314.16\text{cm}^2$$

Since the diameter is 20cm, the radius is 10cm

If asked to give the answer in terms of π it would be $100\pi\text{cm}^2$