

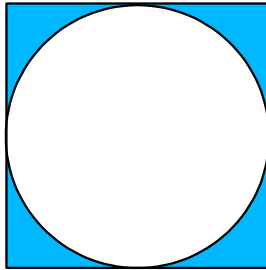
## Circles

- 1) A circle has a radius of 20cm.  
(a) Find its circumference    (b) Find its area
- 2) A circle has a diameter of 10cm.  
(a) Find its circumference    (b) Find its area
- 3) A circle has a circumference of 50cm.  
(a) Find its radius            (b) Find its area
- 4) A circle has an area of  $100\text{cm}^2$ .  
(a) Find its radius            (b) Find its circumference
- 5) A pond in a park has a diameter of 20m, and there is a path round the pond which is 1.5m wide. The path is to be relaid with gravel.  
(a) What is the circumference of the pond  
(b) What is the area of the pond?  
(c) What is the area of the path?

- 6) In the diagram, the circle has a radius of 8cm.

Calculate:

- (a) The circumference of the circle
- (b) the area of the square.
- (c) the area of the shaded region.



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