

# Circle

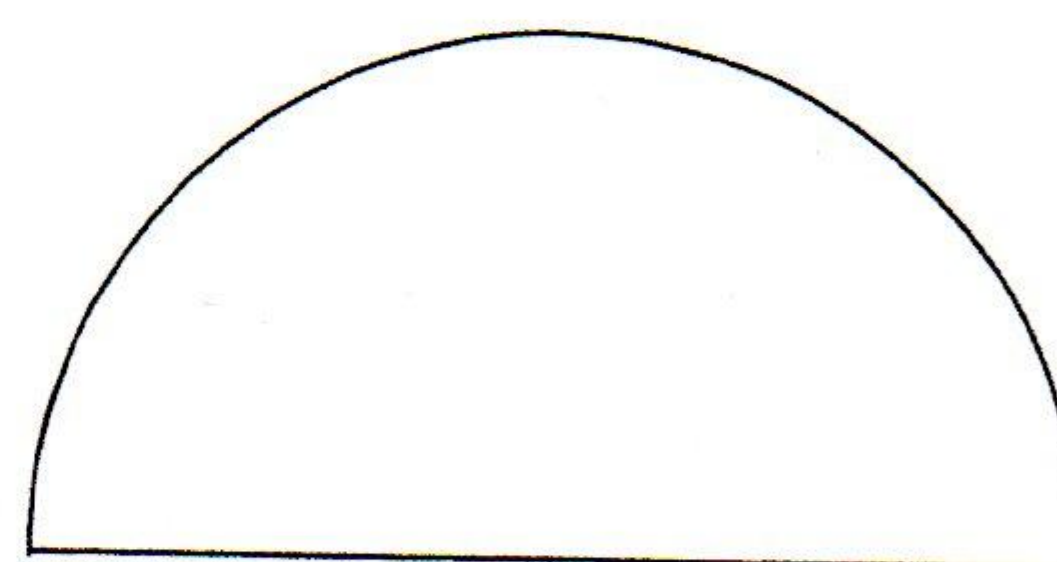
Complete the following table for 10 circles

QN	Radius	Diameter	Area	Circumference
1	3cm			
2		5		
3			12	
4				15cm
5			21	
6		16m		
7	5			
8		17		
9			17m <sup>2</sup>	
10				35m

11) Find the area and the circumference of a circle having

- a) Radius : 12 cm      Area= \_\_\_\_\_, Circumference = \_\_\_\_\_
- b) Radius : 4.5 cm      Area= \_\_\_\_\_, Circumference = \_\_\_\_\_
- c) Radius : 7 cm      Area= \_\_\_\_\_, Circumference = \_\_\_\_\_
- d) Diameter : 12 cm      Area= \_\_\_\_\_, Circumference = \_\_\_\_\_
- e) Diameter : 3 m      Area= \_\_\_\_\_, Circumference = \_\_\_\_\_

12) Here is a tile in the shape of a semicircle.  
The diameter of the semicircle is 8 cm.  
Work out the perimeter of the tile.  
Give your answer correct to 2 decimal places.



Diameter = 8 cm

13) Find the Area of the tile.

14) Find the area of the semicircle having the diameter 9 cm.

15) Find the perimeter of the semicircle in which the radius is 5 cm.