**Practical Geometry Worksheet 1                                     Date :**

1. Draw a circle of radius 5.6cm

2. With the same centre O, draw two circles of radii 5cm and 2.5cm

3. Draw any circle and mark points P, Q and R such that

a) P is on the circle

b) Q is in the interior of the circle.

c) R is in the exterior of the circle.

4. Draw a line segment of length 10.8cm. Using compasses, divide it into four equal parts . Verify by actual measurement.

5. Fill in the blanks :-

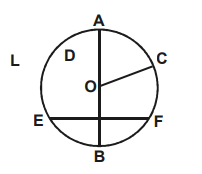
i) If diameter of a circle is 18cm, the radius is \_\_\_\_\_\_\_\_\_\_\_\_\_.

ii) The longest chord of a circle is \_\_\_\_\_\_\_\_\_\_\_\_\_ .

iii) Number of circles passing through a given point are \_\_\_\_\_\_\_\_\_\_\_.

6. Solve

Given AB = 3cm & CD = 4cm, construct a line segment xy equal to sum of AB & CD

7. Refer to the figure given below, answer the following.

i) Name any radius of the circle \_\_\_\_\_\_\_\_\_\_\_\_

ii) Name centre of the circle \_\_\_\_\_\_\_\_\_\_\_\_

iii) Name any segment of the circle \_\_\_\_\_\_\_\_\_\_\_\_

8. With of length 6.2cm as diameter, draw a circle

9. Draw a circle of radius of 4.7 cm?

10. If the radius of a circle is 8.5 cm, then the diameter of the circle is \_\_\_\_.

* 1. None of these
  2. 17 cm
  3. 12 cm
  4. 8.5 cm