

## PRACTICAL GEOMETRY (VI)

1. With the same centre  $O$ , draw two circles of radii 4cm and 2.5cm.
2. Draw a circle and any two of its diameters. If you join the ends of these diameters what is the figure obtained? What figure is obtained if the diameters are perpendicular to each other? How do you check your answer?
3. Draw any line segment  $AB$ . Mark any point  $M$  on it. Through  $M$ , draw a perpendicular to  $AB$ .
4. Draw any line segment  $PQ$ . Take any point  $R$  not on it. Through  $R$ , draw a perpendicular to  $PQ$ .
5. Draw a line segment of length 6.2cm and divide it into four parts.
6. Draw a circle of radius 4cm. Draw any two of its chords. Construct the perpendicular bisectors of these chords. Where do they meet?
7. Construct with ruler and compasses, angles of following measures  
(a)  $90^\circ$  (b)  $45^\circ$  (c)  $135^\circ$  (d)  $75^\circ$  (e)  $105^\circ$
8. Draw an angle of  $40^\circ$ . Copy its supplementary angle.