

17. Geometrical Constructions

- **Steps of construction for the perpendicular bisector of a line segment \overline{PQ} where $\overline{PQ} = 9.4$ cm:**
 1. Draw a line segment \overline{PQ} whose length is 9.4 cm.
 2. With P as the centre and radius more than half of \overline{PQ} , draw a circle using compass.
 3. With the same radius and Q as the centre, draw two arcs that cut the previous circle at points A and B. Join AB to get the perpendicular bisector of \overline{PQ} .

