



1. Draw any line segment  $\overline{XY}$ . Mark any point  $P$  on it. Through  $P$ , draw a perpendicular to  $\overline{XY}$
2. Draw a line segment  $\overline{AB}$ . Take a point  $D$  not on it. Through  $D$ , draw a perpendicular to  $\overline{AB}$
3. Draw a line segment of length  $8.4\text{ cm}$ , construct its axis of symmetry.
4. Draw a line segment of length  $10\text{cm}$  using compasses, divide it into four equal parts. Write the measurements of each of its parts.
5. Draw a circle with centre  $O$  and radius  $4.2\text{cm}$ . Draw any chord  $\overline{MN}$ . Construct the perpendicular bisector of  $\overline{MN}$ . and examine if it passes through  $O$ .
6. Draw an angle of measure  $140^\circ$  and construct its bisector.
7. Draw an angle of measure  $160^\circ$  and divide it into four equal parts. Write the angle measure of each of its part.
8. Using ruler and compasses, construct angle of measures:  

(a) $30^\circ$	(b) $45^\circ$	(c) $60^\circ$
(d) $90^\circ$	(e) $120^\circ$	(f) $135^\circ$