Construction of Perpendiculars

Perpendicular lines are formed when two lines meet each other at the right angle or 90 degrees. This property of lines is said to be perpendicularity.

To Construct the Perpendicular to a line through a point on it, we have to follow the given steps:

- **Step 1:** Draw a line I with a ruler and mark a point P on the line.
 - **Step 2:** Take a compass and with P as the centre take a convenient radius from and make an equidistance arc on the line.
 - **Step 3:** Name intersecting points of the lines and arcs as Q and R.
 - Step 4: Now taking Q and R as the centres and the ← radius greater than QP construct two arcs which cut each other at S.

Step 5: Mark intersecting point of arcs as S and Join S and P.