

Teach san ban

Exercise 5.1

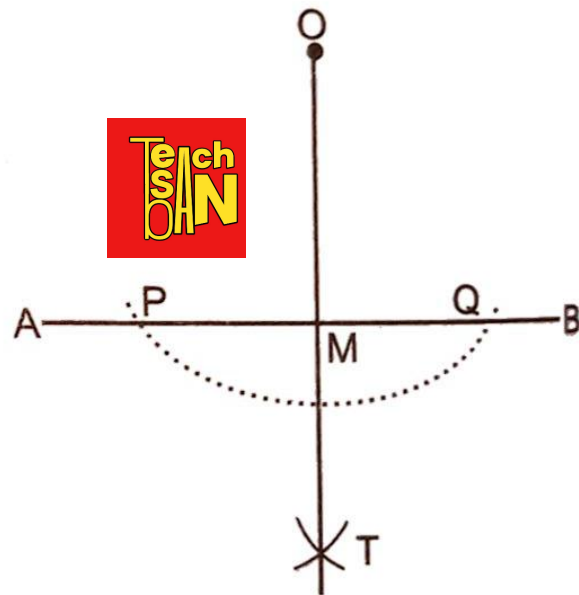
1. Draw a line segment $AB = 3.6$ cm and draw its perpendicular bisector.
2. Draw a line segment $PQ = 5.8$ cm and bisect it. Measure each part.
3. Draw a line segment of length 4.2 cm. and find its mid-point.

Ex. 4. Draw a line segment 6 cm. long and divide it into 4 equal parts.

Construction 2. To draw the perpendicular to a line from a point outside it.

Given: A line segment AB and a point O outside it.

Required: To construct perpendicular from the point O to the line segment AB .



Steps of construction:

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1. Draw a line segment AB.
2. With O as centre and any suitable radius, draw an arc to cut AB at P and Q.
3. With P and Q as centres, draw two arcs with equal radii on the other side of AB to cut each other at T.
4. Join OT, meeting AB at M, then OT is the required perpendicular from O to the line segment AB.