

B V P Lakhisarai

Sub-maths

Sub-teacher-Lalan kumar

Class-7th

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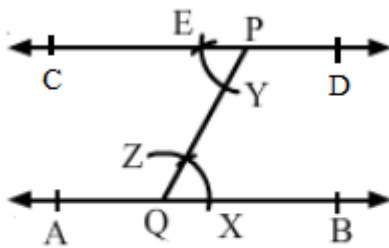
Question 1:

Draw a line AB and take a point P outside it. Draw a line CD parallel to AB and passing through the point P .

ANSWER:

Steps of construction: 1. Draw a line AB . 2. Take a point Q on AB and a point P outside AB , and join PQ . 3. With Q as the centre and any radius, draw an arc to cut AB at X and PQ at Z . 4. With P as the centre and the same radius, draw an arc cutting PQ at Y . 5. With Y as the centre and the radius equal to XZ , draw an arc to cut the previous arc at E . 6. Join PE and produce it on both the sides to get the required line.

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Question 2:

Draw a line AB and draw another line CD parallel to AB at a distance of 3.5 cm from it.

ANSWER:

Steps for construction:1. Let AB be the given line.2. Take any two points P and Q on AB.3. Construct $\angle BPE=90^\circ$ and $\angle BQF=90^\circ$ 4. With P as the centre and the radius equal to 3.5 cm, cut PE at R.5. With Q as the centre and the radius equal to 3.5 cm, cut QF at S.6. Join RS and produce it on both the sides to get the required line, parallel to AB and at a distance of 3.5 cm from it.

