

EXERCISE

Construct quadrilateral

- Q.1** ABCD if $AB = 3$ cm, $BC = 4.5$ cm, $CD = 6$ cm, $DA = 4$ cm, $AC = 4.8$ cm.
- Q.2** ABCD if $AB = 5.5$ cm, $BC = 3.3$ cm, $AD = 4.6$ cm diagonals $AC = 5.7$ cm and $BD = 6$ cm.
- Q.3** ABCD if $AB = 5$ cm, $AD = 5.3$ cm, $\angle A = 60^\circ$, $\angle C = 105^\circ$, $\angle D = 90^\circ$.
- Q.4** PQRS if $PQ = 2.5$ cm, $QR = 3.7$ cm, $\angle Q = 120^\circ$, $\angle S = 60^\circ$, $\angle R = 90^\circ$.
- Q.5** ABCD, if $AB = BC = 3$ cm, $AD = 5$ cm, $\angle A = 90^\circ$, $\angle B = 120^\circ$.
- Q.6** ABCD if $AB = 3.8$ cm, $BC = 2.5$ cm, $CD = 4.5$ cm, $\angle B = 30^\circ$, $\angle C = 150^\circ$.
- Q.7** Construct parallelogram ABCD, if $AB = 5$ cm, $BC = 4$ cm and $BD = 7.7$ cm.
- Q.8** Construct parallelogram PQRS if $PQ = 5$ cm & diagonal $PR = 7.6$ cm and $QS = 5.6$ cm.
- Q.9** Construct parallelogram ABCD whose two sides are 4.6 cm and 3 cm respectively & angle between them is 60° .
- Q.10** Construct rhombus ABCD whose diagonal $AC = 7$ cm and $BD = 5$ cm.
- Q.11** Construct a rectangle whose two adjacent sides are 4.5 cm and 6 cm.
- Q.12** Construct a square ABCD in which $AB + BC + CD + DA = 12.8$ cm.
- Q.13** Construct a rhombus ABCD if $AB = 6$ cm & $\angle A = 120^\circ$.