PRACTICAL GEOMETRY

CONSTRUCTION OF QUADRILATERAL

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, $\angle A = 60°$, $\angle C = 105°$, $\angle D = 90°$.

Q.4 PQRS if PQ = 2.5 cm, QR = 3.7 cm, $\angle Q = 120°$, $\angle S = 60°$, $\angle R = 90°$.

Q.5 ABCD, if AB = BC = 3 cm, AD = 5 cm, $\angle A = 90°$, $\angle B = 120°$.

Q.6 ABCD if AB = 3.8 cm, BC = 2.5 cm, CD = 4.5 cm, $\angle B = 30°$, $\angle C = 150°$.

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 & $\angle A = 120°$.