GRADE -8   **QUESTION BANK**   **SUB: MATHEMATICS**

CH-5 – Construction of Quadrilaterals

1. Construct a quadrilateral PQRS where PQ = 4 cm, QR = 6 cm, RS = 5 cm, PS = 5.5 cm and PR = 7 cm.

2. Construct the Quadrilateral ABCD where AB = 4.5 cm, BC = 5.5 cm, CD = 4 cm, AD = 6 cm and AC = 7 cm.

3. Construct Quadrilateral JUMP where JU = 3.5 cm, UM = 4 cm, MP = 5 cm, PJ = 4.5 cm and PU = 6.5 cm

4. Construct Parallelogram MORE where OR = 6 cm, RE = 4.5 cm and EO = 7.5 cm

5. Construct Rhombus BEST where BE = 4.5 cm and ET = 6 cm

6. Construct a quadrilateral ABCD, given that BC = 4.5 cm, AD = 5.5 cm, CD = 5 cm the diagonal AC = 5.5 cm and diagonal BD = 7 cm.

7. Construct quadrilateral LIFT where LI = 4 cm, IF = 3 cm, TL = 2.5 cm, LF = 4.5 cm and IT = 4 cm

8. Construct Rhombus BEND where BN = 5.6 cm and DE = 6.5 cm

9. Construct a quadrilateral MIST where MI = 3.5 cm, IS = 6.5 cm, $\angle$M = 75°, $\angle$I = 105° and $\angle$S = 120°.

10. Construct Quadrilateral PLAN where PL = 4 cm, LA = 6.5 cm, $\angle$P = 90°, $\angle$A = 110° and $\angle$N = 85°

11. Construct Parallelogram HEAR where HE = 5 cm, EA = 6 cm and $\angle$R = 85°

12. Construct a quadrilateral ABCD, where AB = 4 cm, BC = 5 cm, CD = 6.5 cm and $\angle$B = 105° and $\angle$C = 80°.

13. Draw a square of side 4.5 cm

14. Construct a kite with diagonals measuring 7 cm and 9 cm. The shorter diagonal

Divides the longer diagonal in the ratio 3:2 .

15. Construct a trapezium PQRS in which PQ= 6.2 cm, QR = 4.2 cm, RS= 3.2cm,

$<Q = 75^0$ and PQ//SR .

16. Construct a rhombus with each side of length 6 cm and a diagonal of length

7.8 cm