PRACTICE WORKSHEET

Subject: Mathematics **Class:** CBSE 8th

Chapter: Practical Geometry **Worksheet:** M-4

1. *Construct a quadrilateral LMNO in which LM = 4.2 cm, MN = 6 cm, NO = 5.2 cm, OL = 5 cm And LN = 8 cm.*

2. *Construct a quadrilateral PQRS in which PQ = 5.4 cm, RS = 6 cm, QR = 4.6 cm, RS = 4.3 cm, SP = 3.5 cm and diagonal QS = 5.6 cm*

3. *Construct a quadrilateral ABCD in which AB = 3.5 cm, BC = 3.8 cm, CD = DA = 4.5 cm and diagonal BD = 5.6 cm.*

4. *Construct a quadrilateral ABCD in which AB = 3.6 cm, BC = 3.3 cm, AD = 2.7 cm, diagonal AC = 4.6 cm and diagonal BD = 4 cm.*

5. *Construct a quadrilateral LMNO in which LN = LO = 6 cm, MN = 7.5 cm , MO = 10 cm and NO = 5 cm. Measure the remaining side.*

6. *Construct a quadrilateral ABCD in which AB = 3.4 cm, CD = 3 cm, DA = 5.7 cm, AC = 8 cm and BD = 4 cm.*

7. *Construct a quadrilateral ABCD in which AB = BC = 3.5 cm, AD = CD = 5.2 cm and ∠ABC = 120°.*

8. *Construct a quadrilateral ABCD in which AB = 2.9 cm, BC = 3.2 cm, CD = 2.7 cm, DA = 3.4 cm and ∠A = 70°.*

9. *Construct a quadrilateral ABCD in which AB = 3.5 cm, BC = 5 cm, CD = 4.6 cm, ∠B = 125° and ∠C = 60°.*

10. *Construct a quadrilateral LMNO in which LM = 6 cm, MN = 5.6 cm, NO = 2.7 cm, ∠M = 45° and ∠N = 90°.*

11. *Construct a quadrilateral ABCD in which AR = 5.6 cm, BC = 4 cm, ∠A = 50°, ∠B = 105° and ∠D = 80°.*

12. *Construct a quadrilateral PQRS m which PQ = 5 cm, QR = 6.5 cm, ∠P = ∠R = 100° and ∠S = 75°.*

Hint: ∠Q = [360° - (100° + 100° + 75°)] = 85°.

13. *Construct a quadrilateral ABCD in which AB = 4 cm, AC = 5 cm, AD = 5.5 cm and ∠ABC = ∠ACD = 90°.*