Chap·4· PRACTICAL GEOMETRY

1. Construct a quadrilateral ABCD in which AB = 4.5 cm, BC = 6 cm, CD = 5.6 cm, DA = 7.8 cm and diagonal AC = 9 cm.

2. Construct a quadrilateral ABCD in which AB = 4 cm, BC = 6 cm, CD = 5 cm, DA = 3.5 cm and diagonal AC = 7 cm.

3. Construct a quadrilateral ABCD in which AB = 8 cm, BC = 9 cm, CD = 5 cm, DA = 6.7 cm and diagonal BD = 7 cm.

4. Construct a quadrilateral PQRS in which PQ = 5 cm, QR = 5.5 cm, RS = 6 cm, SP = 8.9 cm and ∠P = 60°.

5. Construct a quadrilateral ABCD in which AB = 7 cm, BC = 4.1 cm, AD = 6.3 cm, diagonal BD = 8.7 cm and diagonal AC = 8.9 cm.

6. Construct a quadrilateral ABCD in which AB = 6.5 cm, BC = 5.5 cm, DA = 3.8 cm, ∠A = 90° and ∠B = 70°.

7. Construct a quadrilateral ABCD with BC = 5.5 cm, CD = 4 cm, DA = 4 cm, ∠C = 90° and ∠D = 85°.

8. Construct a quadrilateral PQRS in which PQ = 4.5 cm, QR = 7.5 cm, ∠P = 100°, ∠Q = 85° and ∠R = 75°.

9. Construct a quadrilateral PQRS in which the sides are PQ = 5 cm, QR = 8.3 cm, RS = 6.4 cm, SP = 9 cm and ∠S = 90°.

10. Construct a quadrilateral LMNO in which LM = 5 cm, MN = 6.5 cm, ∠L = 75°, ∠M = 105° and ∠N = 120°.

11. Construct a quadrilateral ABCD in which AB = 4.1 cm, BC = 3.8 cm, ∠A = 60°, ∠C = 82° and ∠B = 125°.

12. Construct a parallelogram, one of whose sides is 5.5 cm and whose diagonals are 5.8 cm and 7 cm.

13. Construct a parallelogram, one of whose sides is 6 cm and whose diagonals are 6 cm and 8 cm.

14. Construct a parallelogram ABCD in which AB = 4.5 cm, BC = 4 cm and diagonal AC = 6.2 cm.

15. Construct a parallelogram ABCD in which AB = 6.5 cm, AD = 3 cm and diagonal BD = 4.9 cm.

16. Construct a parallelogram OKAY in which OK = 5 cm, KA = 6 cm and ∠Y = 50°.

17. Construct a rectangle ABCD whose sides are 6 cm and 3 cm.

18. Construct a parallelogram PQRS in which QR = 4 cm, PQ = 5.5 cm and ∠Q = 78°.

19. Construct a parallelogram whose diagonals are 4.4 cm and 7.4 cm, and an angle between them is 75°.

20. Construct a rectangle ABCD whose one side is 4 cm and diagonal is 5 cm.

21. Construct a parallelogram ABCD in which BC = 3.5 cm, ∠C = 80° and CD = 4 cm.