1. Construct the following angles with the help of ruler and compass, if possible –
   $35^0, 40^0, 57^0, 75^0, 15^0, 135^0$.

2. Draw a $\triangle ABC$, in which AB = 4cm, $\angle A = 60^0$ and BC – AC = 115 cm.

3. Draw a $\triangle ABC$, in which BC = 5cm, $\angle B = 60^0$ and AC + AB = 7.5 cm.

4. Draw a equilateral triangle whose altitude is 6 cm.

5. Draw a triangle ABC whose perimeter is 10.4 cm and the base angle are 45^0 and 60^0.

6. Construct a triangle ABC, in which $\angle B = 60°$, $\angle C = 45°$ and AB + BC + CA = 11 cm.

7. Construct a triangle ABC in which BC = 7cm, $\angle B = 75°$ and AB + AC = 13 cm.

8. Construct a triangle ABC in which BC = 8cm, $\angle B = 45°$ and AB – AC = 3.5 cm.

9. Construct a triangle PQR in which QR = 6cm, $\angle Q = 60°$ and PR – PQ = 2cm.

10. Construct a triangle XYZ in which $\angle Y = 30°$, $\angle Z = 90°$ and XY + YZ + ZX = 11 cm.

11. Construct a right triangle whose base is 12cm and sum of its hypotenuse and other side is 18 cm.

12. Construct a triangle ABC in which BC = 3cm, $\angle B = 30°$ and AB + AC = 5.2 cm.

13. Construct a triangle ABC in which BC = 6cm, $\angle B = 60°$ and the sum of other two sides is 9cm.

14. Construct a triangle ABC in which BC = 5.6cm, $\angle B = 30°$ and the difference between the other two sides is 3 cm.

15. Construct a triangle ABC whose perimeter is 14 cm and the sides are in ratio 2 : 3 : 4.

16. Construct a triangle ABC in which BC = 7.5 cm, $\angle B = 45°$ and AB – AC = 4 cm.

17. Construct a square of side 3 cm.

18. Construct a rectangle whose adjacent sides are of lengths 5 cm and 3.5 cm.

19. Construct a rhombus whose side is of length 3.4 cm and one of its angles is 45°.

20. Construct a triangle if its perimeter is 10.4 cm and two angles are 45° and 120°.

21. Construct a triangle PQR given that QR = 3cm, $\angle PQR = 45°$ and QP – PR = 2 cm.

22. Construct a right triangle when one side is 3.5 cm and sum of other sides and the hypotenuse is 5.5 cm.

23. Construct an equilateral triangle if its altitude is 3.2 cm.

24. Construct a rhombus whose diagonals are 4 cm and 6 cm in lengths.