CHAPTER 18

CONSTRUCTIONS

More Questions for Practice

1. Draw a line segment AB of length 8 cm. Take a point P outside $\overline{AB}$. Construct a line parallel to $\overline{AB}$ from the point P.
2. Draw a line segment XY of length 10 cm. Mark two points A and B, both outside $\overline{XY}$. Construct lines through A and B which are parallel to $\overline{XY}$.
3. Construct Δ PQR in which PQ = 7.5 cm, QR = 6 cm and PR = 6 cm.
4. Construct Δ XYZ in which XY = 7.5 cm, $\angle X = 60°$ and $\angle Z = 65°$.
5. Construct Δ ABC in which AB = 8.5 cm, AC = 7 cm and $\angle A = 55°$.
6. Construct a right-angled triangle LMN wherein hyp LN = 5 cm and side LM = 3 cm.
7. Construct an isosceles triangle ABC in which AB = AC = 6 cm and BC = 4 cm.
8. Construct an equilateral triangle MOP of side 3 cm.
9. Construct an isosceles right-angled triangle. PQR in which $\angle Q = 90°$ and PQ = QR = 5 cm.
10. Draw a triangle ABC. Through each vertex, construct a line parallel to the opposite side.