Practical Geometry

Math Revision Worksheet Class VII

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3 mark questions

Directions: Use pencil, ruler and compass to draw the triangles in each question.

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1. Construct a triangle ABC, given that AB = 5 cm, BC = 6 cm and AC = 7 cm.

2. Construct ΔABC such that AB = 2.5 cm, BC = 6 cm and AC = 6.5 cm. Measure ∠B.

3. Draw ΔPQR with PQ = 4 cm, QR = 3.5 cm and PR = 4 cm. What type of triangle is this?

4. Construct an equilateral triangle of side 5.5 cm.

5. Construct a triangle PQR, given that PQ = 3 cm, QR = 5.5 cm and ∠PQR = 60°.

6. Construct ΔDEF such that DE = 5 cm, DF = 3 cm and m∠EDF = 90°.

7. Construct an isosceles triangle in which the lengths of each of its equal sides are 6.5 cm and the angle between them is 110°.

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5 mark questions

Directions: Use pencil, ruler and compass to draw the triangles in each question.

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8. Construct ΔXYZ if it is given that XY = 6 cm, m∠ZXY = 30° and m∠XYZ = 100°.

9. Construct ΔABC, given m∠A = 60°, m∠B = 30° and AB = 5.8 cm.

10. Construct ΔPQR if PQ = 5 cm, m∠PQR = 105° and m∠QRP = 40°.

11. Construct ΔLMN, right-angled at M, given that LN = 5 cm and MN = 3 cm.

12. Construct a right-angled triangle whose hypotenuse is 6 cm long and one of the legs is 4 cm long.