

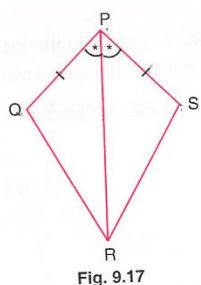
SYLLABUS : PERIMETER AND AREA, CONGRUENT TRIANGLES, LINEAR EQUATIONS IN ONE VARIABLE, TRIANGLE AND ITS PROPERTIES.

GENERAL INSTRUCTIONS : Draw Diagrams with Pencils.

- All questions are compulsory. **Maximum Marks are 60.**
- The question paper consists of 24 Questions.
- **Section – A :** Question 1 to 6 are 1mark each.
- **Section – B :** Question 7 to 12 are 2 marks each.
- **Section – C :** Question 13 to 18 are 3 marks each.
- **Section – C :** Question 19 to 24 are 4 marks each.

SECTION A : (1 × 6 = 6)

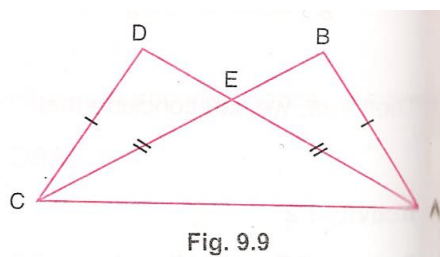
1. 1 hectare = _____ m².
2. The lengths of two sides of a right triangle are 5 cm and 12 cm. Find the length of the hypotenuse.
3. In the kite shown in Fig. 9.17, PQ = PS, and ∠QPR = ∠SPR. Find the third pair of corresponding parts to make Δ PQR ≅ ΔPSR by SAS congruence condition.



4. $8x + 5 = 6x - 5$. Find x
5. Solve the following equation : $\frac{3}{5}x - 6 = 3$
6. Find the area of parallelogram having base = 40 cm and height = 20 cm.

SECTION B : (2 × 6 = 12)

7. The area of triangle is 90 cm². If its base is 15 cm, find its altitude.
8. ΔABC is isosceles with AB = AC. If ∠A = 70°, what is the measure of ∠B?
9. In Fig. 9.9, it is given that AB = CD and AD = BC prove that Δ ADC ≅ ΔCBA.



10. Solve: $\frac{6x-2}{5} = \frac{2x-1}{3} - \frac{1}{3}$
11. Find the area of Rhombus having diagonals of length 21 cm and 30 cm.

