

Similar Polygons: Ratio of Perimeters & Areas - Matching Worksheet

Write the letter of the answer that matches the problem.

_____ 1. Two Δ are similar. The sides of the first Δ are 2, 4, and 6. The largest side of the second Δ is 20. Find the perimeter of the second Δ .

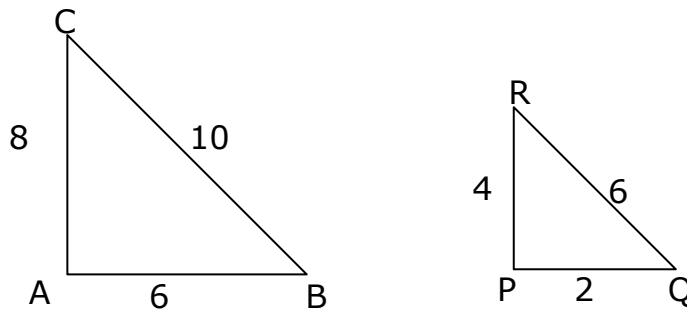
- a. Area of $\Delta 1 = 32$
Area of $\Delta 2 = 50$

_____ 2. The areas of two similar polygons are in the ratio 4:9. Find the ratio of the corresponding sides.

- b. 5:2

_____ 3. Finding the areas of similar right triangles whose scale factor is 1: 6.

- c. 2:3

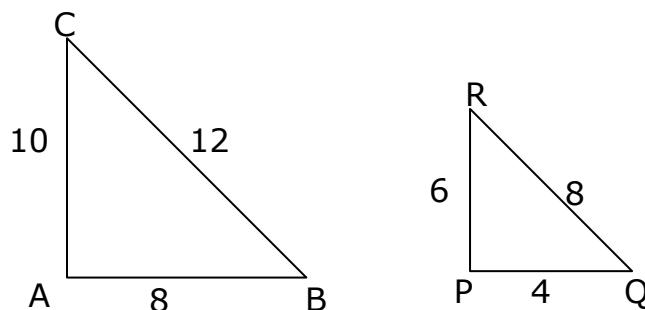


_____ 4. The perimeters of two similar triangles is in the ratio 4 : 5. The sum of their areas is 82 cm^2 . Find the area of each triangle.

- d. 6:1

_____ 5. Finding the areas of similar right triangles whose scale factor is 10: 3.

- e. 40:12



_____ 6. The areas of two similar polygons are in the ratio 25:4. Find the ratio of the corresponding sides.

- f. 40

