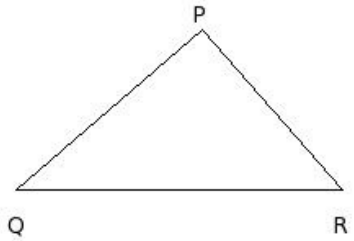
EduSahara™ Assignment

Name : Perimeter and Area of Triangles

Chapter : Perimeter and Area of Plane Figures

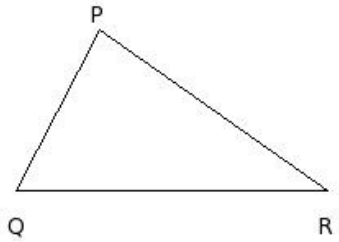
Grade : ICSE Grade IX

1. In △PQR, if QR = 20 cm, RP = 13 cm, PQ = 15 cm, then perimeter of the triangle =



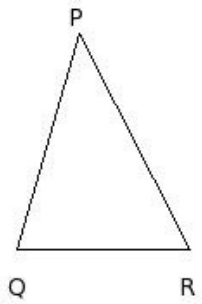
(i) 43.00 cm (ii) 45.00 cm (iii) 48.00 cm (iv) 53.00 cm (v) 51.00 cm

2. In △PQR, if QR = 19 cm, RP = 17 cm, PQ = 11 cm, then area of the triangle =



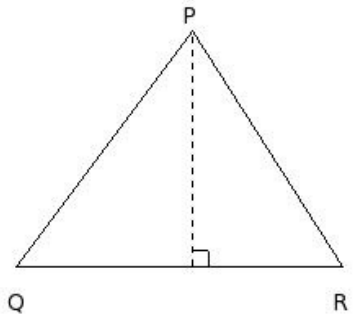
(i) 95.69 sq.cm (ii) 92.69 sq.cm (iii) 89.69 sq.cm (iv) 97.69 sq.cm (v) 87.69 sq.cm

3. In △PQR, if QR = 10 cm, RP = 14 cm and perimeter = 37 cm, then area of the triangle =



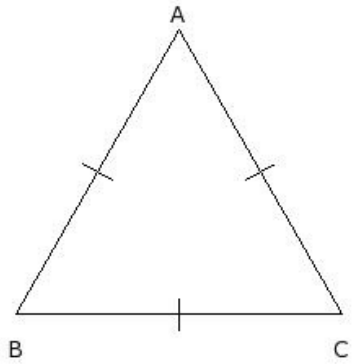
(i) 57.39 sq.cm (ii) 59.39 sq.cm (iii) 62.39 sq.cm (iv) 67.39 sq.cm (v) 65.39 sq.cm

4. In △PQR, if base QR = 20 cm and the corresponding height of side QR = 14.34 cm, then area of the triangle =



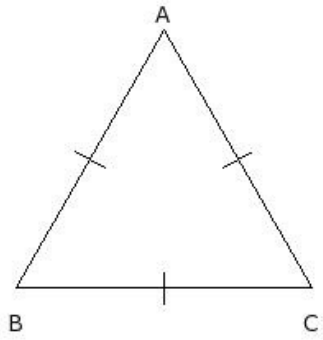
(i) 126.43 sq.cm (ii) 159.43 sq.cm (iii) 135.43 sq.cm (iv) 143.43 sq.cm

5. If the side of an equilateral triangle is 20 cm, the perimeter of the equilateral triangle =



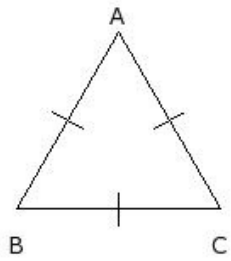
(i) 57.00 cm (ii) 65.00 cm (iii) 55.00 cm (iv) 60.00 cm (v) 63.00 cm

6. If area of an equilateral triangle is 140.3 sq.cm, the perimeter of the equilateral triangle =



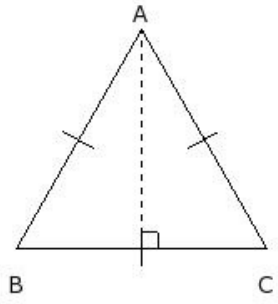
(i) 51.00 cm (ii) 54.00 cm (iii) 57.00 cm (iv) 49.00 cm (v) 59.00 cm

7. If perimeter of an equilateral triangle 36 cm, the area of the equilateral triangle =



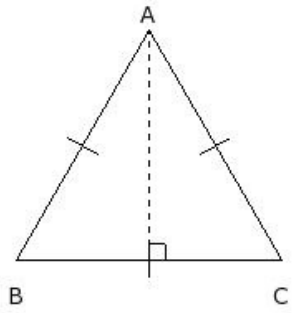
(i) 62.35 sq.cm (ii) 65.35 sq.cm (iii) 57.35 sq.cm (iv) 67.35 sq.cm (v) 59.35 sq.cm

8. If height of an equilateral triangle is 12.99 cm, the perimeter of the equilateral triangle =



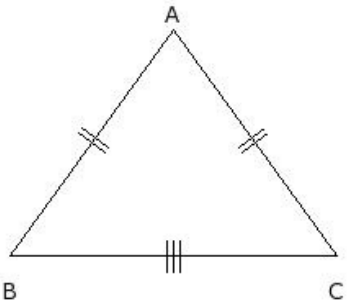
(i) 45.00 cm (ii) 42.00 cm (iii) 50.00 cm (iv) 40.00 cm (v) 48.00 cm

9. If height of an equilateral triangle is 13.86 cm, the area of the equilateral triangle =



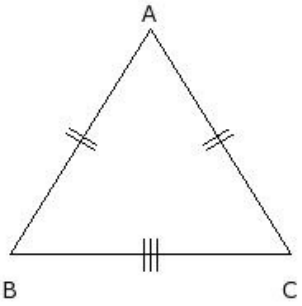
(i) 107.85 sq.cm (ii) 125.85 sq.cm (iii) 87.85 sq.cm (iv) 110.85 sq.cm (v) 134.85 sq.cm

10. In an isosceles triangle △ABC, if BC = 20 cm, AB = CA = 17 cm, then perimeter of the triangle =



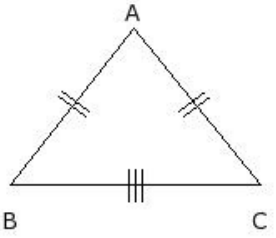
(i) 54.00 cm (ii) 51.00 cm (iii) 57.00 cm (iv) 59.00 cm (v) 49.00 cm

11. In an isosceles triangle △ABC, if BC = 17 cm, AB = CA = 16 cm, then area of the triangle =



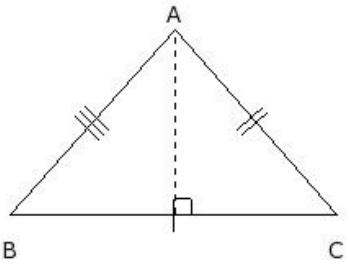
(i) 108.22 sq.cm (ii) 89.22 sq.cm (iii) 115.22 sq.cm (iv) 123.22 sq.cm (v) 128.22 sq.cm

12. In an isosceles triangle △ABC, if BC = 15 cm, CA = AB and perimeter is 39 cm, then area of the triangle =



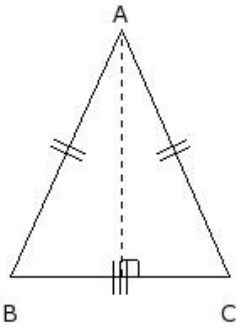
(i) 75.26 sq.cm (ii) 70.26 sq.cm (iii) 65.26 sq.cm (iv) 73.26 sq.cm (v) 67.26 sq.cm

13. In an isosceles triangle △ABC, if base BC = 20 cm and the corresponding height is 11.18 cm, then perimeter of the triangle =



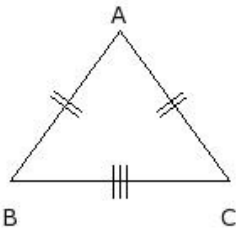
(i) 47.00 cm (ii) 53.00 cm (iii) 50.00 cm (iv) 45.00 cm (v) 55.00 cm

14. In an isosceles triangle △ABC, if base BC = 13 cm and the corresponding height is 14.62 cm, then area of the triangle =



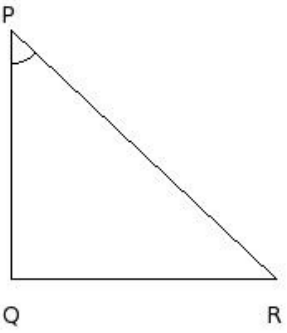
(i) 92.03 sq.cm (ii) 90.03 sq.cm (iii) 95.03 sq.cm (iv) 98.03 sq.cm (v) 100.03 sq.cm

15. In an isosceles triangle △ABC, if base BC = 13 cm and area is 57.68 sq.cm, then perimeter of the triangle =



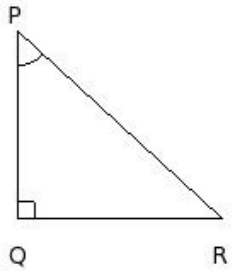
(i) 32.00 cm (ii) 35.00 cm (iii) 38.00 cm (iv) 40.00 cm (v) 30.00 cm

16. In a right angled triangle △PQR, if QR = 16 cm, PQ = 15 cm are the lengths of perpendicular sides , then area of the triangle =



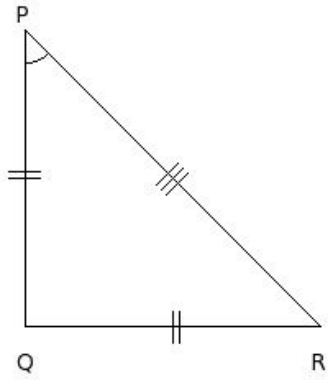
(i) 145.00 sq.cm (ii) 120.00 sq.cm (iii) 108.00 sq.cm (iv) 104.00 sq.cm (v) 128.00 sq.cm

17. In a right angled triangle △PQR, if the base QR = 12 cm and the corresponding height is 11 cm, then area of the triangle =



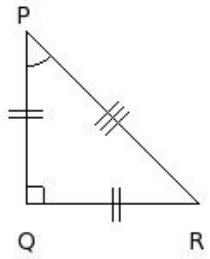
(i) 69.00 sq.cm (ii) 63.00 sq.cm (iii) 61.00 sq.cm (iv) 71.00 sq.cm (v) 66.00 sq.cm

18. In an isosceles right angled triangle △PQR, if QR = 18 cm is one of the equal sides, then perimeter of the triangle =



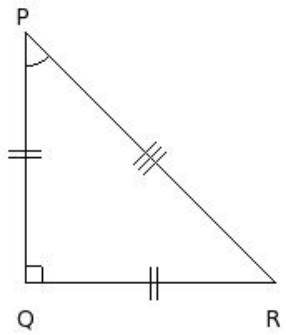
(i) 56.46 cm (ii) 58.46 cm (iii) 66.46 cm (iv) 61.46 cm (v) 64.46 cm

19. In an isosceles right angled triangle △PQR, if corresponding height to the base QR is 10 cm, then perimeter of the triangle =



(i) 31.14 cm (ii) 39.14 cm (iii) 37.14 cm (iv) 29.14 cm (v) 34.14 cm

20. In an isosceles right angled triangle △PQR, if corresponding height to the base QR is 15 cm, then area of the triangle =



(i) 108.50 sq.cm (ii) 115.50 sq.cm (iii) 112.50 sq.cm (iv) 130.50 sq.cm (v) 100.50 sq.cm

Assignment Key

1) (iii)	2) (ii)	3) (iii)	4) (iv)	5) (iv)	6) (ii)
7) (i)	8) (i)	9) (iv)	10) (i)	11) (iii)	12) (ii)
13) (iii)	14) (iii)	15) (ii)	16) (ii)	17) (v)	18) (iv)
19) (v)	20) (iii)				