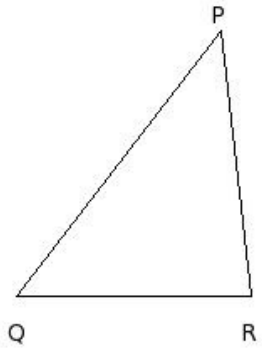
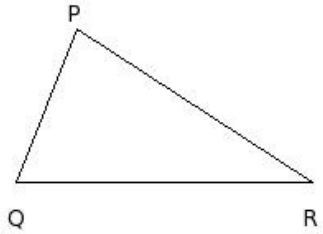
1. In △PQR, if QR = 14 cm, RP = 16 cm, PQ = 20 cm, then perimeter of the triangle =



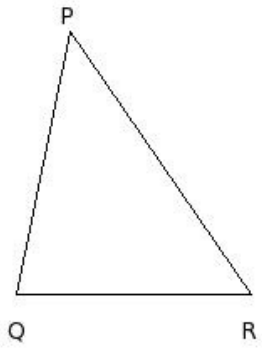
(i) 53.00 cm (ii) 50.00 cm (iii) 45.00 cm (iv) 55.00 cm (v) 47.00 cm

2. In △PQR, if QR = 18 cm, RP = 17 cm, PQ = 10 cm, then area of the triangle =



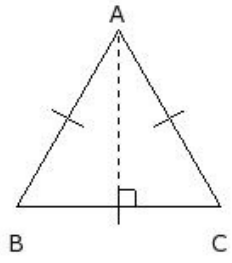
(i) 86.43 sq.cm (ii) 80.43 sq.cm (iii) 83.43 sq.cm (iv) 78.43 sq.cm (v) 88.43 sq.cm

3. In △PQR, if QR = 14 cm, RP = 19 cm and perimeter = 49 cm, then area of the triangle =



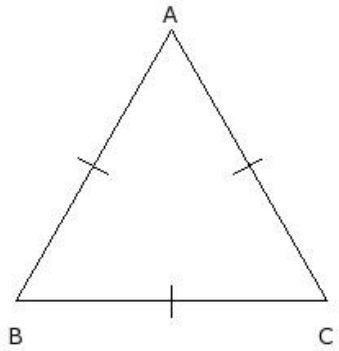
(i) 109.67 sq.cm (ii) 115.67 sq.cm (iii) 91.67 sq.cm (iv) 135.67 sq.cm (v) 102.67 sq.cm

4. If the side of an equilateral triangle is 12 cm, the height of the equilateral triangle =



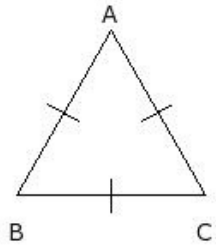
(i) 15.39 cm (ii) 7.39 cm (iii) 10.39 cm (iv) 5.39 cm (v) 13.39 cm

5. If the side of an equilateral triangle is 19 cm, the perimeter of the equilateral triangle =



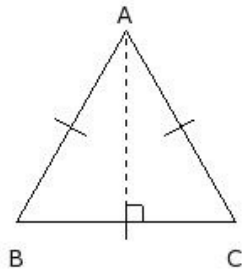
(i) 52.00 cm (ii) 54.00 cm (iii) 60.00 cm (iv) 62.00 cm (v) 57.00 cm

6. If area of an equilateral triangle is 52.39 sq.cm, the side of the equilateral triangle =



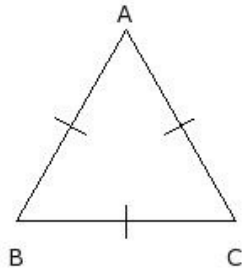
(i) 6.00 cm (ii) 11.00 cm (iii) 8.00 cm (iv) 14.00 cm (v) 16.00 cm

7. If area of an equilateral triangle is 73.18 sq.cm, the height of the equilateral triangle =



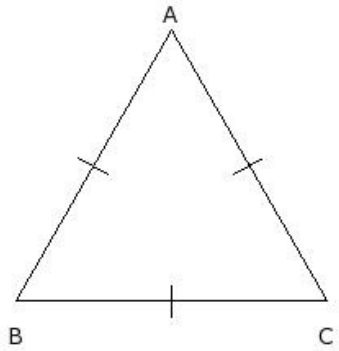
(i) 11.26 cm (ii) 6.26 cm (iii) 14.26 cm (iv) 16.26 cm (v) 8.26 cm

8. If area of an equilateral triangle is 73.18 sq.cm, the perimeter of the equilateral triangle =



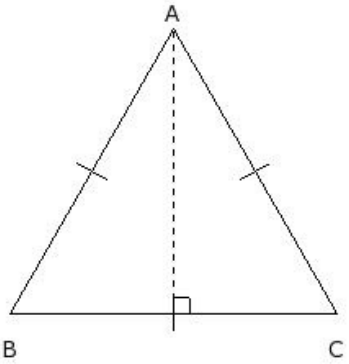
(i) 36.00 cm (ii) 44.00 cm (iii) 42.00 cm (iv) 34.00 cm (v) 39.00 cm

9. If perimeter of an equilateral triangle 57 cm, the area of the equilateral triangle =



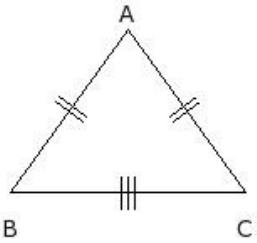
(i) 156.32 sq.cm (ii) 151.32 sq.cm (iii) 174.32 sq.cm (iv) 143.32 sq.cm

10. If height of an equilateral triangle is 17.32 cm, the area of the equilateral triangle =



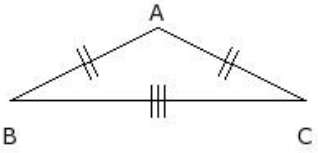
(i) 146.21 sq.cm (ii) 161.21 sq.cm (iii) 173.21 sq.cm (iv) 198.21 sq.cm (v) 187.21 sq.cm

11. In an isosceles triangle △ABC, if BC = 14 cm, AB = CA = 12 cm, then perimeter of the triangle =



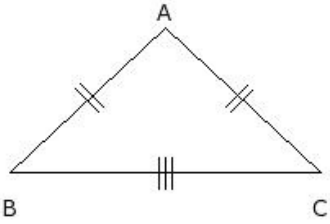
(i) 35.00 cm (ii) 33.00 cm (iii) 43.00 cm (iv) 41.00 cm (v) 38.00 cm

12. In an isosceles triangle △ABC, if BC = 18 cm, AB = CA = 10 cm, then area of the triangle =



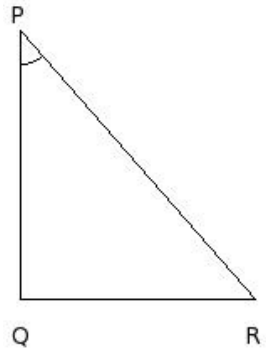
(i) 42.23 sq.cm (ii) 36.23 sq.cm (iii) 34.23 sq.cm (iv) 44.23 sq.cm (v) 39.23 sq.cm

13. In an isosceles triangle △ABC, if BC = 19 cm, CA = AB and perimeter is 45 cm, then area of the triangle =



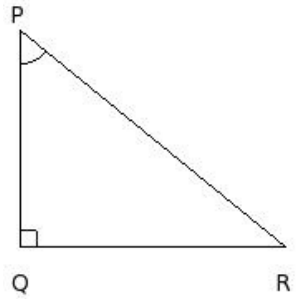
(i) 79.30 sq.cm (ii) 89.30 sq.cm (iii) 81.30 sq.cm (iv) 87.30 sq.cm (v) 84.30 sq.cm

14. In a right angled triangle △PQR, if QR = 14 cm, PQ = 16 cm are the lengths of perpendicular sides , then area of the triangle =



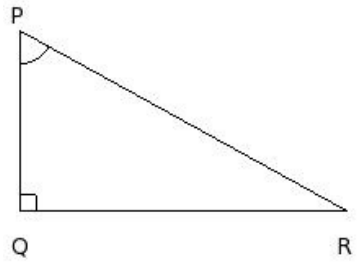
(i) 97.00 sq.cm (ii) 130.00 sq.cm (iii) 135.00 sq.cm (iv) 109.00 sq.cm (v) 112.00 sq.cm

15. In a right angled triangle △PQR, if the base QR = 16 cm and the corresponding height is 13 cm, then perimeter of the triangle =



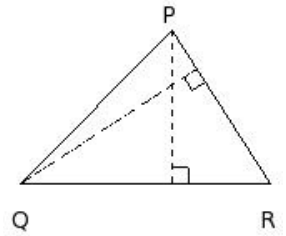
(i) 46.62 cm (ii) 49.62 cm (iii) 52.62 cm (iv) 54.62 cm (v) 44.62 cm

16. In a right angled triangle △PQR, if the base QR = 20 cm and the corresponding height is 11 cm, then area of the triangle =



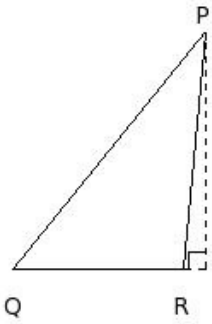
(i) 95.00 sq.cm (ii) 82.00 sq.cm (iii) 110.00 sq.cm (iv) 137.00 sq.cm (v) 122.00 sq.cm

17. In △PQR, if QR = 15 cm, RP = 11 cm and the corresponding height of side QR = 9.28 cm, then corresponding height of side RP =



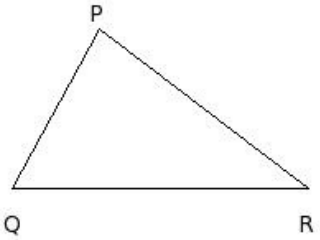
(i) 7.66 cm (ii) 9.66 cm (iii) 15.66 cm (iv) 12.66 cm (v) 17.66 cm

18. In △PQR, if base QR = 10 cm and the corresponding height of side QR = 13.93 cm, then area of the triangle =



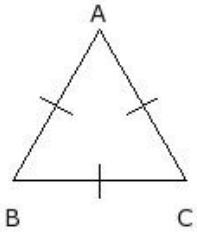
(i) 64.65 sq.cm (ii) 69.65 sq.cm (iii) 66.65 sq.cm (iv) 72.65 sq.cm (v) 74.65 sq.cm

19. In △PQR, if corresponding height of side QR = 9.67 cm and area of the triangle = 87 sq.cm, then side QR =



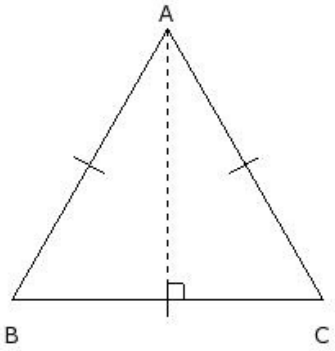
(i) 23.00 cm (ii) 21.00 cm (iii) 15.00 cm (iv) 13.00 cm (v) 18.00 cm

20. If perimeter of an equilateral triangle 30 cm, the side of the equilateral triangle =



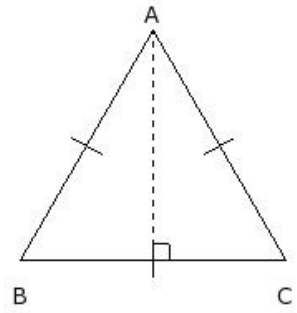
(i) 7.00 cm (ii) 13.00 cm (iii) 5.00 cm (iv) 10.00 cm (v) 15.00 cm

21. If perimeter of an equilateral triangle 57 cm, the height of the equilateral triangle =



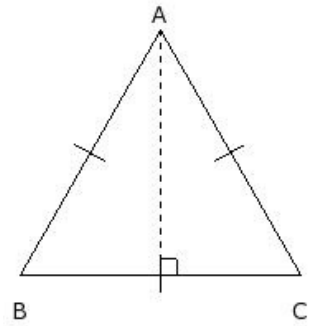
(i) 16.45 cm (ii) 19.45 cm (iii) 11.45 cm (iv) 13.45 cm (v) 21.45 cm

22. If height of an equilateral triangle is 13.86 cm, the side of the equilateral triangle =



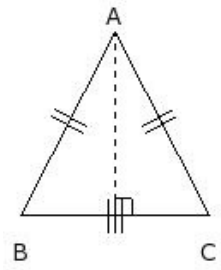
(i) 11.00 cm (ii) 21.00 cm (iii) 13.00 cm (iv) 19.00 cm (v) 16.00 cm

23. If height of an equilateral triangle is 14.72 cm, the perimeter of the equilateral triangle =



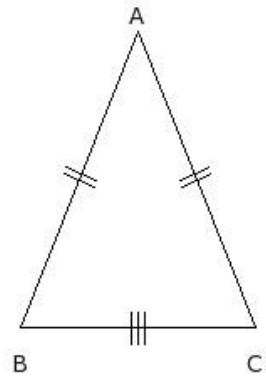
(i) 51.00 cm (ii) 54.00 cm (iii) 46.00 cm (iv) 48.00 cm (v) 56.00 cm

24. In an isosceles triangle △ABC, if BC = 11 cm, AB = CA = 12 cm, then corresponding height of side BC =



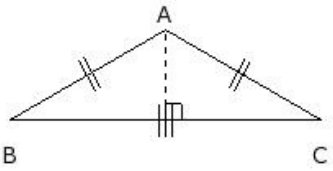
(i) 13.67 cm (ii) 5.67 cm (iii) 7.67 cm (iv) 10.67 cm (v) 15.67 cm

25. In an isosceles triangle △ABC, if BC = 14 cm, CA = AB and perimeter is 52 cm, then side AB =



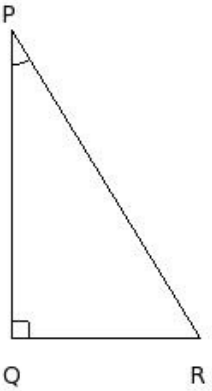
(i) 16.00 cm (ii) 22.00 cm (iii) 14.00 cm (iv) 24.00 cm (v) 19.00 cm

26. In an isosceles triangle △ABC, if base BC = 19 cm and the corresponding height is 5.55 cm, then area of the triangle =



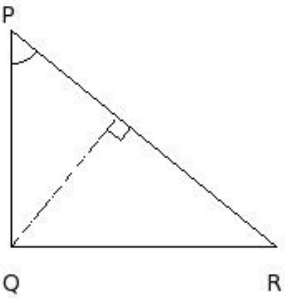
(i) 52.68 sq.cm (ii) 49.68 sq.cm (iii) 47.68 sq.cm (iv) 57.68 sq.cm (v) 55.68 sq.cm

27. In a right angled triangle △PQR, if QR = 11 cm, PQ = 18 cm are the lengths of perpendicular sides , then corresponding height of side QR =



(i) 18.00 cm (ii) 21.00 cm (iii) 23.00 cm (iv) 15.00 cm (v) 13.00 cm

28. In a right angled triangle △PQR, if QR = 16 cm, PQ = 13 cm are the lengths of perpendicular sides , then corresponding height of side RP =



(i) 15.09 cm (ii) 5.09 cm (iii) 10.09 cm (iv) 7.09 cm (v) 13.09 cm

Assignment Key

1) (ii)	2) (iii)	3) (i)	4) (iii)	5) (v)	6) (ii)
7) (i)	8) (v)	9) (i)	10) (iii)	11) (v)	12) (v)
13) (v)	14) (v)	15) (ii)	16) (iii)	17) (iv)	18) (ii)
19) (v)	20) (iv)	21) (i)	22) (v)	23) (i)	24) (iv)
25) (v)	26) (i)	27) (i)	28) (iii)		