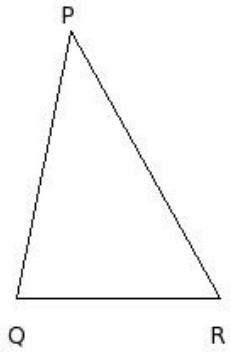
EduSahara™ Assignment

Name : Triangles

Chapter : Perimeter and Area

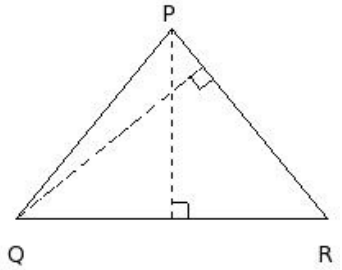
Grade : CBSE Grade VII

1. In △PQR, if QR = 12 cm, RP = 18 cm, PQ = 16 cm, then perimeter of the triangle =



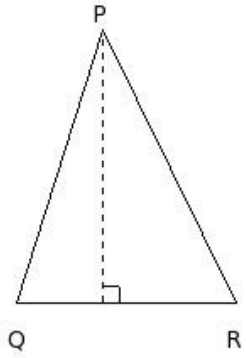
(i) 49.00 cm (ii) 41.00 cm (iii) 51.00 cm (iv) 43.00 cm (v) 46.00 cm

2. In △PQR, if QR = 19 cm, RP = 15 cm and the corresponding height of side QR = 11.61 cm, then corresponding height of side RP =



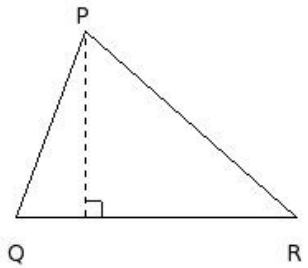
(i) 11.70 cm (ii) 9.70 cm (iii) 14.70 cm (iv) 17.70 cm (v) 19.70 cm

3. In △PQR, if QR = 13 cm, RP = 18 cm and the corresponding height of side QR = 16.2 cm, then area of the triangle =



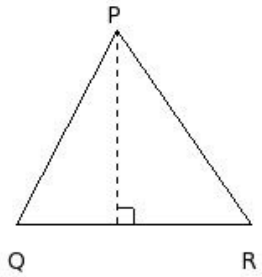
(i) 132.30 sq.cm (ii) 105.30 sq.cm (iii) 92.30 sq.cm (iv) 107.30 sq.cm (v) 91.30 sq.cm

4. In △PQR, if base QR = 17 cm and the corresponding height of side QR = 11.23 cm, then area of the triangle =



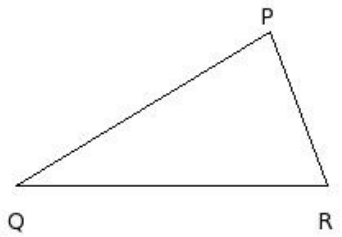
(i) 98.44 sq.cm (ii) 95.44 sq.cm (iii) 90.44 sq.cm (iv) 100.44 sq.cm (v) 92.44 sq.cm

5. In △PQR, if base QR = 14 cm and area of the triangle = 80.6 sq.cm, then corresponding height of side QR =



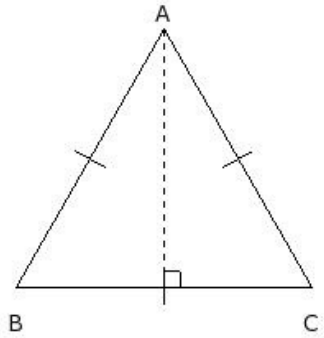
(i) 8.51 cm (ii) 11.51 cm (iii) 14.51 cm (iv) 6.51 cm (v) 16.51 cm

6. In △PQR, if corresponding height of side QR = 9.33 cm and area of the triangle = 88.61 sq.cm, then side QR =



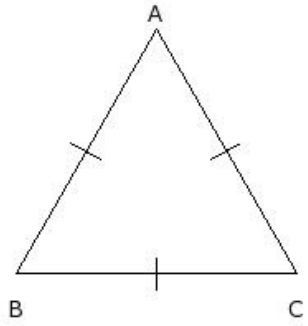
(i) 14.00 cm (ii) 19.00 cm (iii) 16.00 cm (iv) 24.00 cm (v) 22.00 cm

7. If the side of an equilateral triangle is 18 cm, the height of the equilateral triangle =



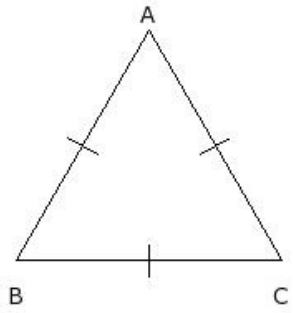
(i) 10.59 cm (ii) 15.59 cm (iii) 12.59 cm (iv) 20.59 cm (v) 18.59 cm

8. If the side of an equilateral triangle is 17 cm, the perimeter of the equilateral triangle =



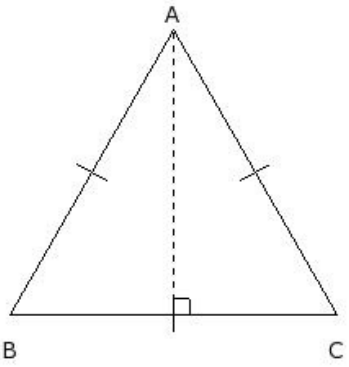
(i) 56.00 cm (ii) 48.00 cm (iii) 46.00 cm (iv) 51.00 cm (v) 54.00 cm

9. If area of an equilateral triangle is 110.85 sq.cm, the side of the equilateral triangle =



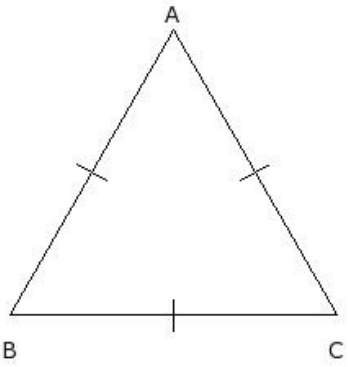
(i) 13.00 cm (ii) 11.00 cm (iii) 16.00 cm (iv) 19.00 cm (v) 21.00 cm

10. If area of an equilateral triangle is 173.21 sq.cm, the height of the equilateral triangle =



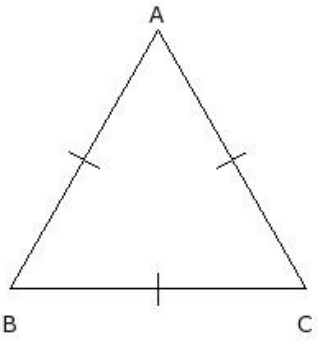
(i) 12.32 cm (ii) 22.32 cm (iii) 14.32 cm (iv) 20.32 cm (v) 17.32 cm

11. If area of an equilateral triangle is 173.21 sq.cm, the perimeter of the equilateral triangle =



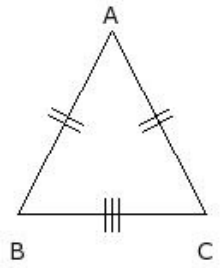
(i) 57.00 cm (ii) 60.00 cm (iii) 55.00 cm (iv) 63.00 cm (v) 65.00 cm

12. If perimeter of an equilateral triangle 54 cm, the area of the equilateral triangle =



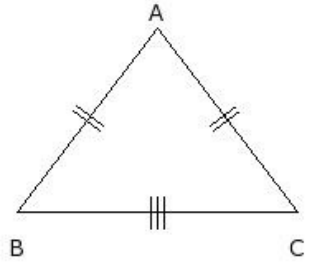
(i) 115.30 sq.cm (ii) 156.30 sq.cm (iii) 128.30 sq.cm (iv) 140.30 sq.cm

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



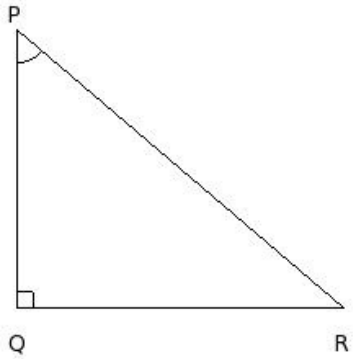
(i) 35.00 cm (ii) 30.00 cm (iii) 38.00 cm (iv) 40.00 cm (v) 32.00 cm

14. In an isosceles triangle △ABC, if BC = 17 cm, CA = AB and perimeter is 45 cm, then side AB =



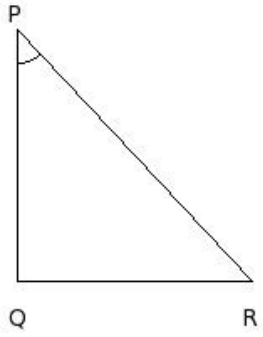
(i) 11.00 cm (ii) 14.00 cm (iii) 17.00 cm (iv) 9.00 cm (v) 19.00 cm

15. In a right angled triangle △PQR, if QR = 20 cm, PQ = 17 cm are the lengths of perpendicular sides , then corresponding height of side QR =



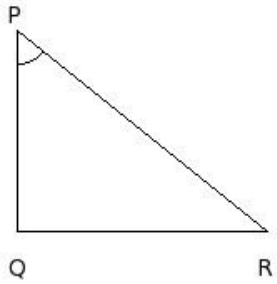
(i) 12.00 cm (ii) 22.00 cm (iii) 14.00 cm (iv) 17.00 cm (v) 20.00 cm

16. In a right angled triangle △PQR, if QR = 14 cm, PQ = 15 cm are the lengths of perpendicular sides , then corresponding height of side PQ =



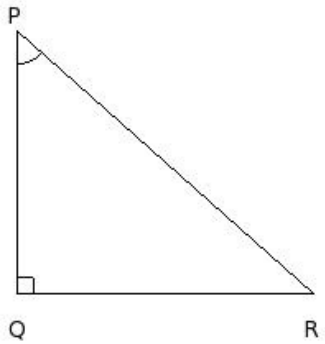
(i) 17.00 cm (ii) 9.00 cm (iii) 19.00 cm (iv) 11.00 cm (v) 14.00 cm

17. In a right angled triangle △PQR, if QR = 15 cm, PQ = 12 cm are the lengths of perpendicular sides , then area of the triangle =



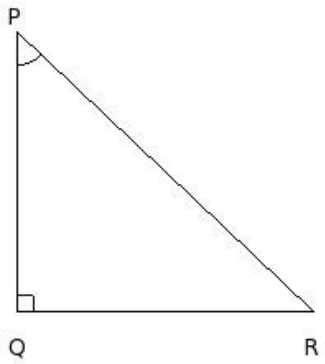
(i) 95.00 sq.cm (ii) 87.00 sq.cm (iii) 93.00 sq.cm (iv) 90.00 sq.cm (v) 85.00 sq.cm

18. In a right angled triangle △PQR, if the base QR = 18 cm and the corresponding height is 16 cm, then side RP =



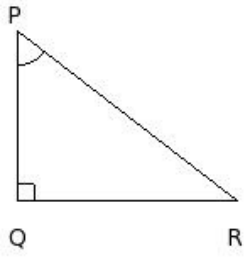
(i) 19.08 cm (ii) 27.08 cm (iii) 29.08 cm (iv) 21.08 cm (v) 24.08 cm

19. In a right angled triangle △PQR, if the base QR = 18 cm and the corresponding height is 17 cm, then side PQ =



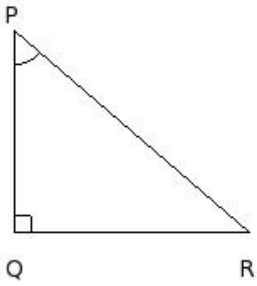
(i) 12.00 cm (ii) 17.00 cm (iii) 14.00 cm (iv) 20.00 cm (v) 22.00 cm

20. In a right angled triangle △PQR, if the base QR = 13 cm and the corresponding height is 10 cm, then corresponding height of side PQ =



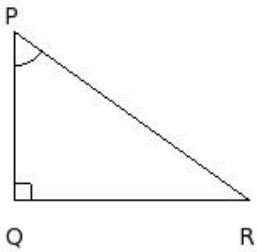
(i) 16.00 cm (ii) 10.00 cm (iii) 8.00 cm (iv) 13.00 cm (v) 18.00 cm

21. In a right angled triangle △PQR, if the base QR = 14 cm and the corresponding height is 12 cm, then area of the triangle =



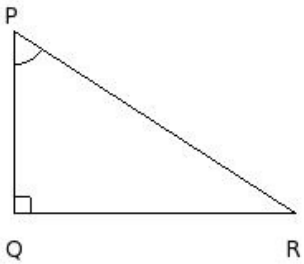
(i) 89.00 sq.cm (ii) 81.00 sq.cm (iii) 87.00 sq.cm (iv) 84.00 sq.cm (v) 79.00 sq.cm

22. In a right angled triangle △PQR, if the area is 70 sq.cm and corresponding height of side QR = 10 cm, then side QR =



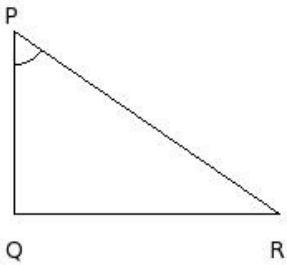
(i) 14.00 cm (ii) 9.00 cm (iii) 17.00 cm (iv) 11.00 cm (v) 19.00 cm

23. In a right angled triangle △PQR, if the area is 93.5 sq.cm and corresponding height of side QR = 11 cm, then side PQ =



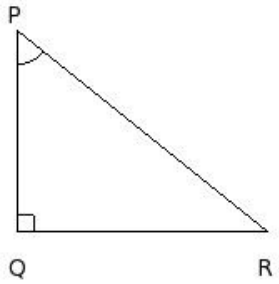
(i) 11.00 cm (ii) 8.00 cm (iii) 6.00 cm (iv) 16.00 cm (v) 14.00 cm

24. In a right angled triangle △PQR, if the area is 88 sq.cm and base QR = 16 cm, then side PQ =



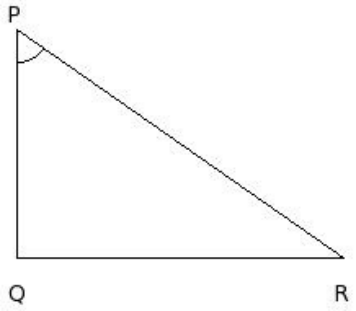
(i) 8.00 cm (ii) 11.00 cm (iii) 6.00 cm (iv) 14.00 cm (v) 16.00 cm

25. In a right angled triangle △PQR, if the area is 90 sq.cm and base QR = 15 cm, then corresponding height of side QR =



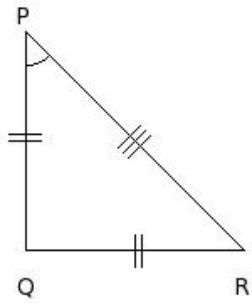
(i) 9.00 cm (ii) 15.00 cm (iii) 12.00 cm (iv) 17.00 cm (v) 7.00 cm

26. In a right angled triangle △PQR, if the area is 140 sq.cm and base QR = 20 cm, then corresponding height of side PQ =



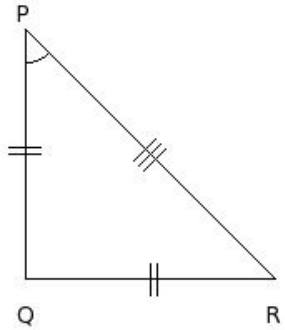
(i) 15.00 cm (ii) 17.00 cm (iii) 25.00 cm (iv) 20.00 cm (v) 23.00 cm

27. In an isosceles right angled triangle △PQR, if QR = 13 cm is one of the equal sides, then side PQ =



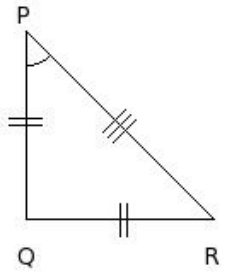
(i) 18.00 cm (ii) 16.00 cm (iii) 8.00 cm (iv) 13.00 cm (v) 10.00 cm

28. In an isosceles right angled triangle △PQR, if QR = 15 cm is one of the equal sides, then corresponding height of side PQ =



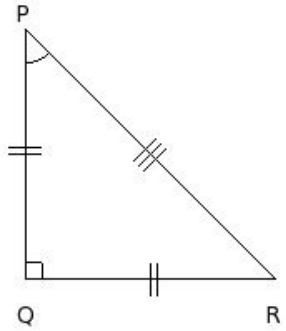
(i) 10.00 cm (ii) 20.00 cm (iii) 15.00 cm (iv) 12.00 cm (v) 18.00 cm

29. In an isosceles right angled triangle △PQR, if QR = 11 cm is one of the equal sides, then area of the triangle =



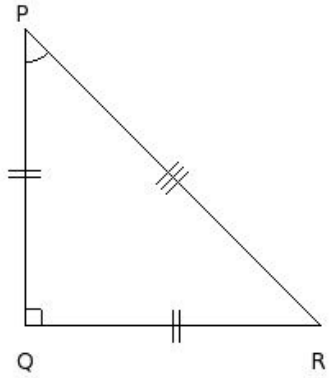
(i) 57.50 sq.cm (ii) 65.50 sq.cm (iii) 55.50 sq.cm (iv) 60.50 sq.cm (v) 63.50 sq.cm

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



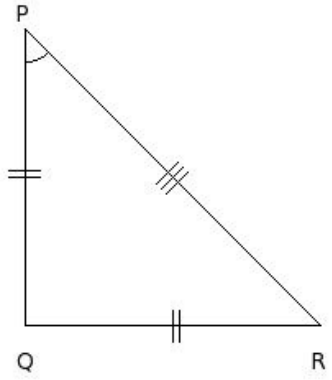
(i) 18.00 cm (ii) 20.00 cm (iii) 10.00 cm (iv) 15.00 cm (v) 12.00 cm

31. In an isosceles right angled triangle △PQR, if corresponding height to the base QR is 18 cm, then side PQ =



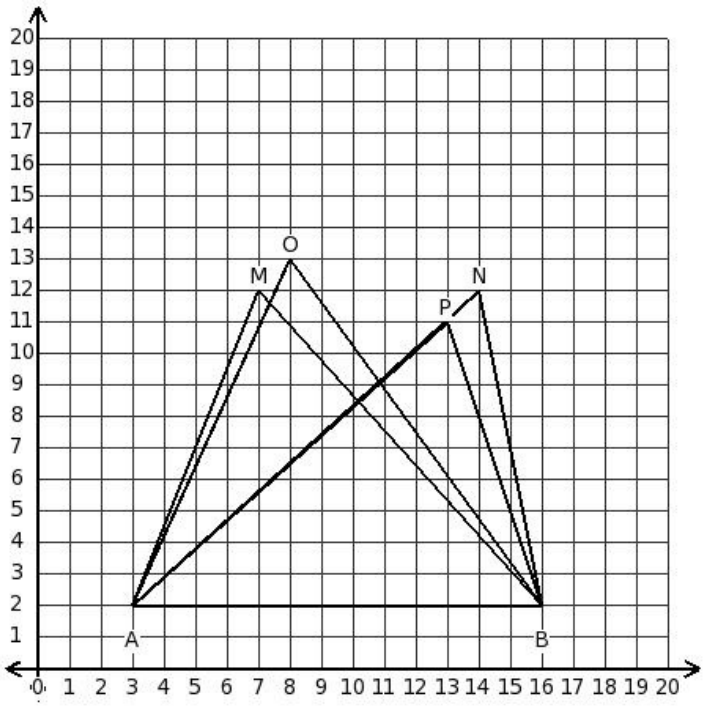
(i) 18.00 cm (ii) 15.00 cm (iii) 23.00 cm (iv) 13.00 cm (v) 21.00 cm

32. In an isosceles right angled triangle △PQR, if area = 162 sq.cm, then corresponding height of side PQ =



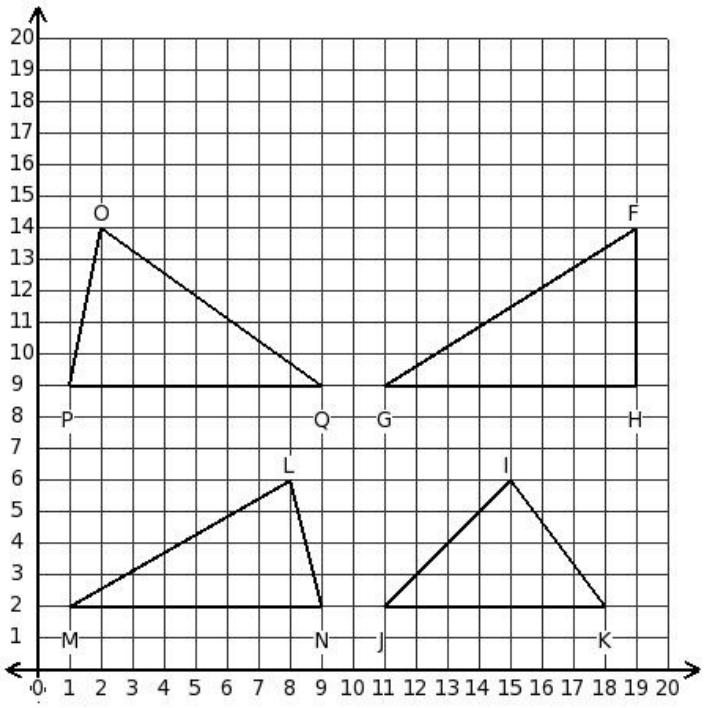
(i) 15.00 cm (ii) 21.00 cm (iii) 18.00 cm (iv) 13.00 cm (v) 23.00 cm

33. Consider the following triangles. Which two triangles have the same area?



(i) △NAB and △OAB (ii) △MAB and △OAB (iii) △MAB and △NAB (iv) △MAB and △PAB (v) △NAB and △PAB

34. Consider the following triangles. Which two triangles have the same area?



(i) △IJK and △LMN (ii) △FGH and △LMN (iii) △FGH and △OPQ (iv) △IJK and △OPQ (v) △FGH and △IJK

Assignment Key

1) (v)	2) (iii)	3) (ii)	4) (ii)	5) (ii)	6) (ii)
7) (ii)	8) (iv)	9) (iii)	10) (v)	11) (ii)	12) (iv)
13) (i)	14) (ii)	15) (iv)	16) (v)	17) (iv)	18) (v)
19) (ii)	20) (iv)	21) (iv)	22) (i)	23) (i)	24) (ii)
25) (iii)	26) (iv)	27) (iv)	28) (iii)	29) (iv)	30) (iv)
31) (i)	32) (iii)	33) (iii)	34) (iii)		