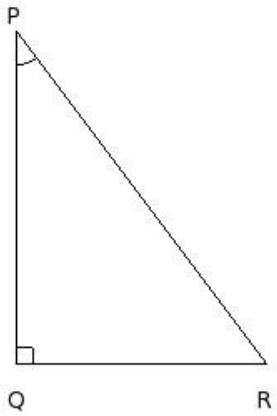
EduSahara™ Assignment

Name : Triangles

Chapter : Area and Perimeter

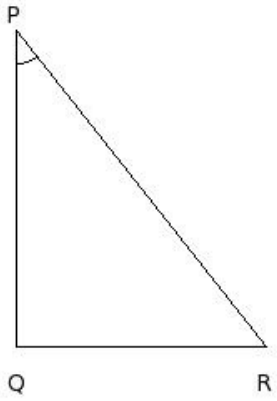
Grade : SSC Grade VII

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



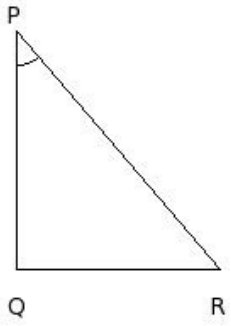
(i) 23.00 cm (ii) 15.00 cm (iii) 17.00 cm (iv) 20.00 cm (v) 25.00 cm

2. In a right angled triangle △PQR, if QR = 15 cm, PQ = 19 cm are the lengths of perpendicular sides , then corresponding height of side PQ =



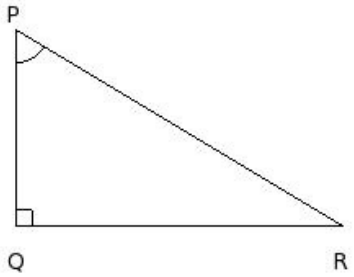
(i) 10.00 cm (ii) 18.00 cm (iii) 15.00 cm (iv) 12.00 cm (v) 20.00 cm

3. In a right angled triangle △PQR, if QR = 12 cm, PQ = 14 cm are the lengths of perpendicular sides , then area of the triangle =



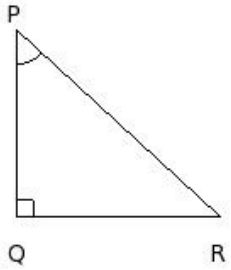
(i) 87.00 sq.cm (ii) 81.00 sq.cm (iii) 89.00 sq.cm (iv) 84.00 sq.cm (v) 79.00 sq.cm

4. In a right angled triangle △PQR, if the base QR = 20 cm and the corresponding height is 12 cm, then side PQ =



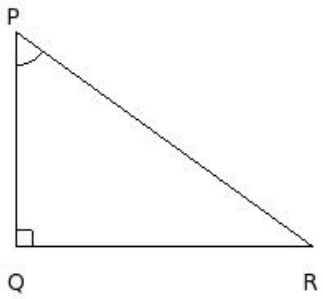
(i) 15.00 cm (ii) 12.00 cm (iii) 9.00 cm (iv) 7.00 cm (v) 17.00 cm

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



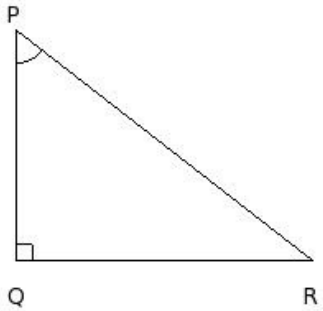
(i) 15.00 cm (ii) 17.00 cm (iii) 12.00 cm (iv) 9.00 cm (v) 7.00 cm

6. In a right angled triangle △PQR, if the base QR = 18 cm and the corresponding height is 13 cm, then area of the triangle =



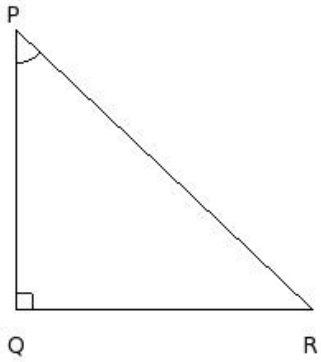
(i) 105.00 sq.cm (ii) 117.00 sq.cm (iii) 121.00 sq.cm (iv) 140.00 sq.cm (v) 93.00 sq.cm

7. In a right angled triangle △PQR, if the area is 126 sq.cm and corresponding height of side QR = 14 cm, then side QR =



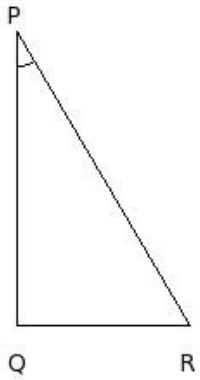
(i) 23.00 cm (ii) 21.00 cm (iii) 18.00 cm (iv) 15.00 cm (v) 13.00 cm

8. In a right angled triangle △PQR, if the area is 153 sq.cm and corresponding height of side QR = 17 cm, then side PQ =



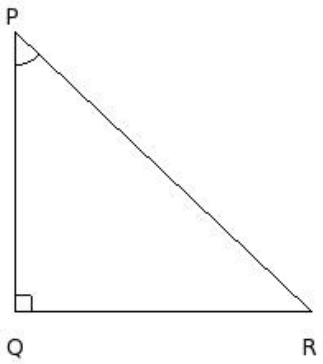
(i) 14.00 cm (ii) 22.00 cm (iii) 12.00 cm (iv) 17.00 cm (v) 20.00 cm

9. In a right angled triangle △PQR, if the area is 85 sq.cm and base QR = 10 cm, then side PQ =



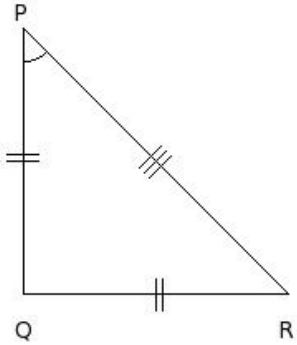
(i) 14.00 cm (ii) 20.00 cm (iii) 22.00 cm (iv) 17.00 cm (v) 12.00 cm

10. In a right angled triangle △PQR, if the area is 153 sq.cm and base QR = 18 cm, then corresponding height of side QR =



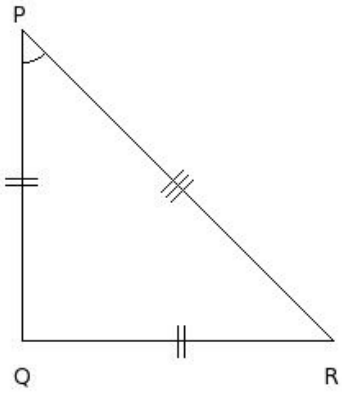
(i) 17.00 cm (ii) 12.00 cm (iii) 22.00 cm (iv) 14.00 cm (v) 20.00 cm

11. In an isosceles right angled triangle △PQR, if QR = 16 cm is one of the equal sides, then side PQ =



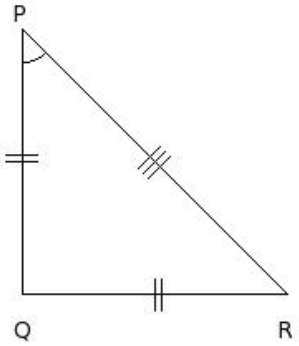
(i) 16.00 cm (ii) 21.00 cm (iii) 11.00 cm (iv) 13.00 cm (v) 19.00 cm

12. In an isosceles right angled triangle △PQR, if QR = 19 cm is one of the equal sides, then corresponding height of side PQ =



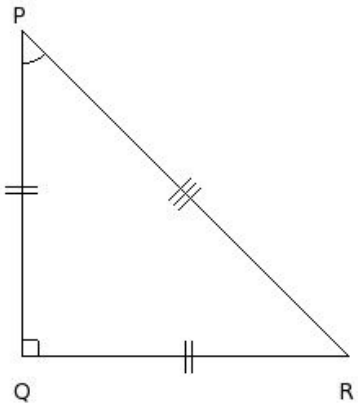
(i) 24.00 cm (ii) 19.00 cm (iii) 16.00 cm (iv) 22.00 cm (v) 14.00 cm

13. In an isosceles right angled triangle △PQR, if QR = 16 cm is one of the equal sides, then area of the triangle =



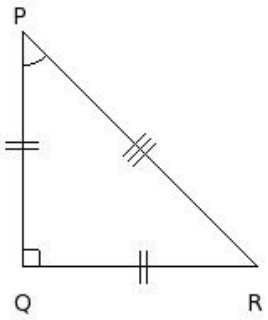
(i) 144.00 sq.cm (ii) 103.00 sq.cm (iii) 132.00 sq.cm (iv) 128.00 sq.cm (v) 121.00 sq.cm

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



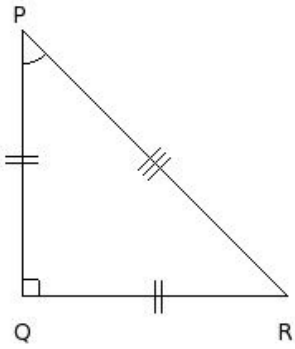
(i) 17.00 cm (ii) 25.00 cm (iii) 15.00 cm (iv) 23.00 cm (v) 20.00 cm

15. In an isosceles right angled triangle △PQR, if corresponding height to the base QR is 14 cm, then side PQ =



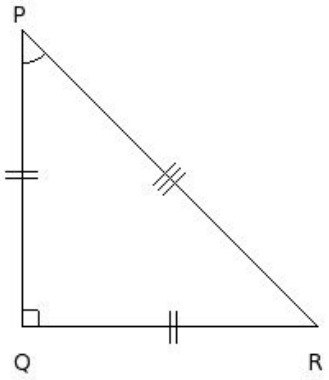
(i) 14.00 cm (ii) 11.00 cm (iii) 17.00 cm (iv) 9.00 cm (v) 19.00 cm

16. In an isosceles right angled triangle △PQR, if corresponding height to the base QR is 16 cm, then corresponding height of side QR =



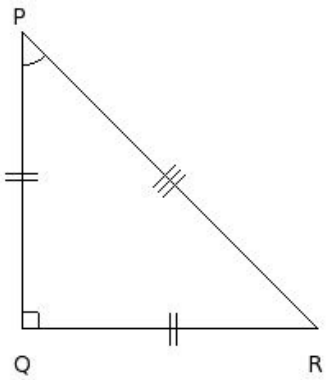
(i) 21.00 cm (ii) 13.00 cm (iii) 11.00 cm (iv) 16.00 cm (v) 19.00 cm

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



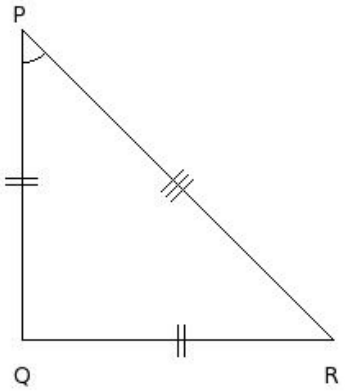
(i) 23.00 cm (ii) 18.00 cm (iii) 13.00 cm (iv) 15.00 cm (v) 21.00 cm

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



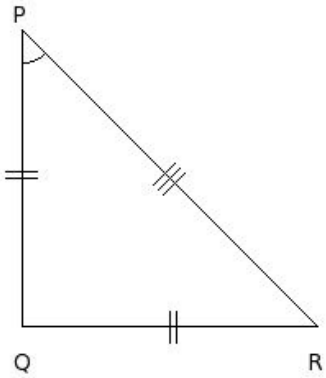
(i) 136.00 sq.cm (ii) 156.00 sq.cm (iii) 179.00 sq.cm (iv) 162.00 sq.cm (v) 170.00 sq.cm

19. In an isosceles right angled triangle △PQR, if area = 180.5 sq.cm, then side QR =



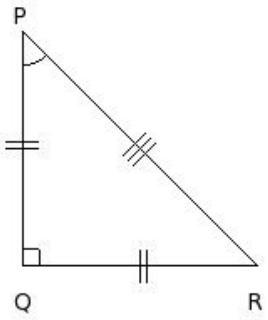
(i) 14.00 cm (ii) 19.00 cm (iii) 16.00 cm (iv) 22.00 cm (v) 24.00 cm

20. In an isosceles right angled triangle △PQR, if area = 162 sq.cm, then side PQ =



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

21. In an isosceles right angled triangle △PQR, if area = 98 sq.cm, then corresponding height of side QR =



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

Assignment Key

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