EduSahara™ Assignment

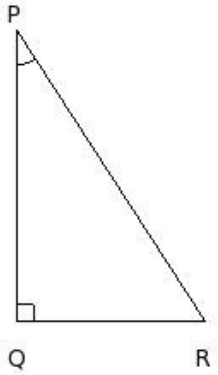
Name : Triangles

Chapter : Area and Perimeter

Grade : SSC Grade VII

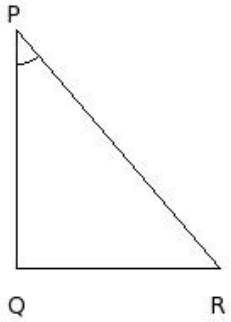
License : Non Commercial Use

1. In a right angled triangle △PQR, if QR = 11 cm, PQ = 17 cm are the lengths of perpendicular sides , then corresponding height of side QR =



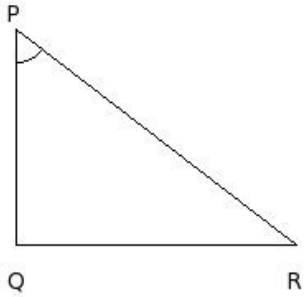
(i) 22.00 cm (ii) 12.00 cm (iii) 17.00 cm (iv) 20.00 cm (v) 14.00 cm

2. In a right angled triangle △PQR, if QR = 12 cm, PQ = 14 cm are the lengths of perpendicular sides , then corresponding height of side PQ =



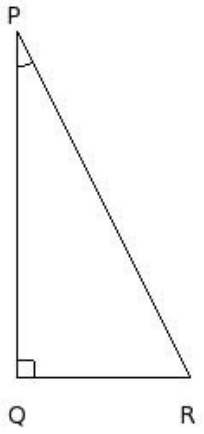
(i) 17.00 cm (ii) 15.00 cm (iii) 9.00 cm (iv) 7.00 cm (v) 12.00 cm

3. In a right angled triangle △PQR, if QR = 17 cm, PQ = 13 cm are the lengths of perpendicular sides , then area of the triangle =



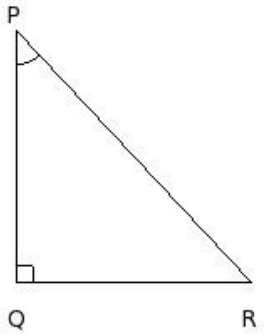
(i) 108.50 sq.cm (ii) 110.50 sq.cm (iii) 117.50 sq.cm (iv) 135.50 sq.cm (v) 88.50 sq.cm

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



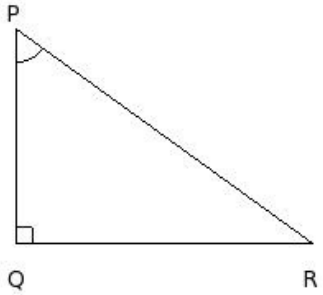
(i) 25.00 cm (ii) 20.00 cm (iii) 23.00 cm (iv) 17.00 cm (v) 15.00 cm

5. In a right angled triangle △PQR, if the base QR = 14 cm and the corresponding height is 15 cm, then corresponding height of side PQ =



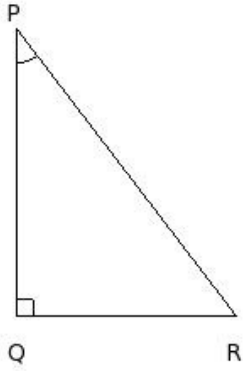
(i) 19.00 cm (ii) 14.00 cm (iii) 11.00 cm (iv) 17.00 cm (v) 9.00 cm

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 =



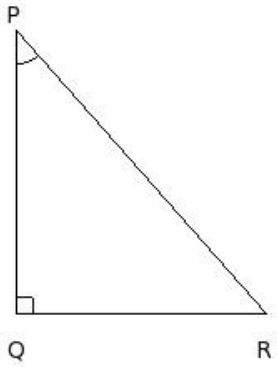
(i) 134.00 sq.cm (ii) 117.00 sq.cm (iii) 105.00 sq.cm (iv) 141.00 sq.cm (v) 102.00 sq.cm

7. In a right angled triangle △PQR, if the area is 110.5 sq.cm and corresponding height of side QR = 17 cm, then side QR =



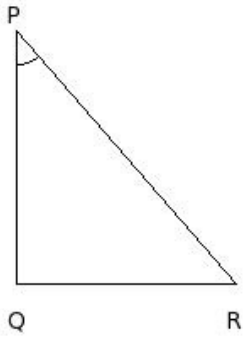
(i) 16.00 cm (ii) 10.00 cm (iii) 18.00 cm (iv) 13.00 cm (v) 8.00 cm

8. In a right angled triangle △PQR, if the area is 127.5 sq.cm and corresponding height of side QR = 17 cm, then side PQ =



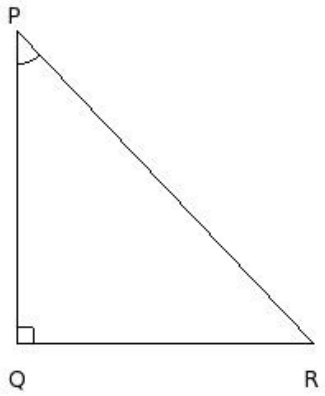
(i) 17.00 cm (ii) 12.00 cm (iii) 14.00 cm (iv) 20.00 cm (v) 22.00 cm

9. In a right angled triangle △PQR, if the area is 97.5 sq.cm and base QR = 13 cm, then side PQ =



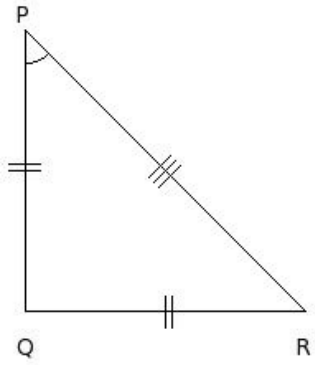
(i) 12.00 cm (ii) 10.00 cm (iii) 15.00 cm (iv) 20.00 cm (v) 18.00 cm

10. In a right angled triangle △PQR, if the area is 171 sq.cm and base QR = 18 cm, then corresponding height of side QR =



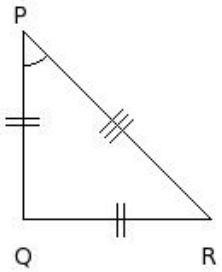
(i) 14.00 cm (ii) 22.00 cm (iii) 16.00 cm (iv) 24.00 cm (v) 19.00 cm

11. In an isosceles right angled triangle △PQR, if QR = 17 cm is one of the equal sides, then side PQ =



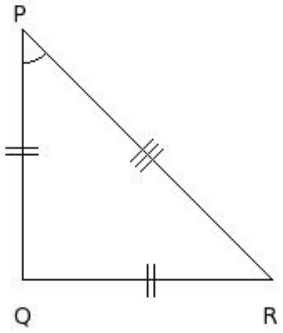
(i) 20.00 cm (ii) 17.00 cm (iii) 14.00 cm (iv) 12.00 cm (v) 22.00 cm

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



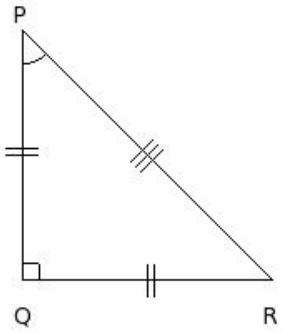
(i) 16.00 cm (ii) 6.00 cm (iii) 8.00 cm (iv) 14.00 cm (v) 11.00 cm

13. In an isosceles right angled triangle △PQR, if QR = 15 cm is one of the equal sides, then area of the triangle =



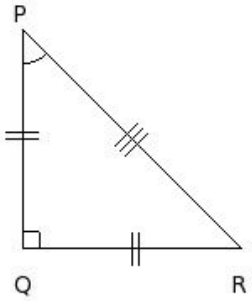
(i) 112.50 sq.cm (ii) 129.50 sq.cm (iii) 117.50 sq.cm (iv) 96.50 sq.cm (v) 84.50 sq.cm

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



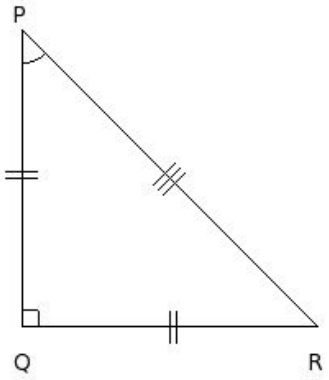
(i) 18.00 cm (ii) 15.00 cm (iii) 10.00 cm (iv) 20.00 cm (v) 12.00 cm

15. In an isosceles right angled triangle △PQR, if corresponding height to the base QR is 13 cm, then side PQ =



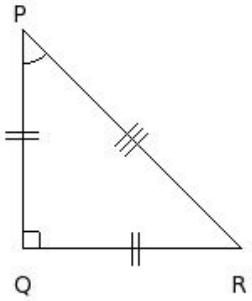
(i) 16.00 cm (ii) 8.00 cm (iii) 18.00 cm (iv) 13.00 cm (v) 10.00 cm

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



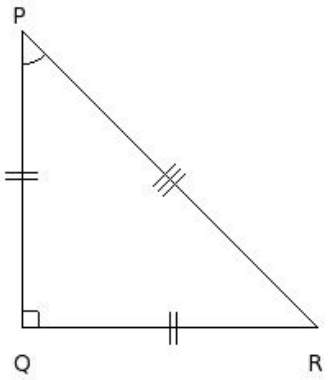
(i) 18.00 cm (ii) 23.00 cm (iii) 13.00 cm (iv) 21.00 cm (v) 15.00 cm

17. In an isosceles right angled triangle △PQR, if corresponding height to the base QR is 13 cm, then corresponding height of side PQ =



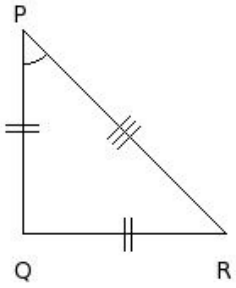
(i) 8.00 cm (ii) 10.00 cm (iii) 18.00 cm (iv) 16.00 cm (v) 13.00 cm

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



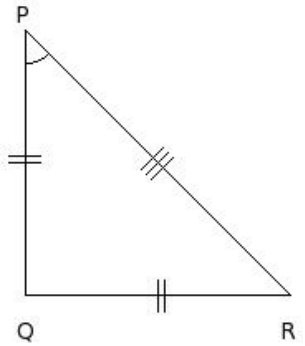
(i) 139.00 sq.cm (ii) 146.00 sq.cm (iii) 162.00 sq.cm (iv) 190.00 sq.cm (v) 179.00 sq.cm

19. In an isosceles right angled triangle △PQR, if area = 72 sq.cm, then side QR =



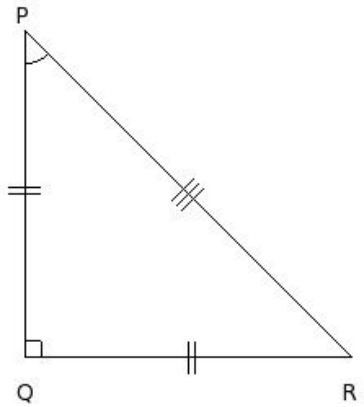
(i) 9.00 cm (ii) 17.00 cm (iii) 12.00 cm (iv) 15.00 cm (v) 7.00 cm

20. In an isosceles right angled triangle △PQR, if area = 128 sq.cm, then side PQ =



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

21. In an isosceles right angled triangle △PQR, if area = 200 sq.cm, then corresponding height of side QR =



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

Assignment Key

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

Copyright © Small Systems Computing Pvt. Ltd.