

Basic Mathematics Quiz 035 (Area and Perimeter)

1. The area of a triangle whose sides are 15 m, 16 m and 17 m is
 - A) $24\sqrt{4} \text{ m}^2$
 - B) $24\sqrt{3} \text{ m}^2$
 - C) $24\sqrt{21} \text{ m}^2$
 - D) None of these
2. The area of a right-angled triangle with base 6 m and hypotenuse 6.5 m is:
 - A) 7.5 m^2
 - B) 9.5 m^2
 - C) 8.5 m^2
 - D) None of these
3. The length of each side of a triangle is 12 cm. The height of the triangle is
 - A) $3\sqrt{2} \text{ m}^2$
 - B) $6\sqrt{3} \text{ m}^2$
 - C) $6\sqrt{2} \text{ m}^2$
 - D) None of these
4. A ladder is resting with one end in contact with the top of a wall of height 12 m and the other end on the ground is at a distance 5 m from the wall. The length of the ladder is
 - A) 13 m
 - B) 17 m
 - C) 16 m
 - D) None of these
5. If the area of a triangle with base x is equal to the area of a square with side x , then the altitude of the triangle is
 - A) $x/2$
 - B) $2x$
 - C) x
 - D) $3x$
6. If the height of an equilateral triangle is $2\sqrt{3} \text{ cm}$, then the length of its side is
 - A) 4 cm
 - B) 6 cm
 - C) 5 cm

D) None of these

7. The area of an equilateral triangle, each of whose sides measures $2\sqrt{3}$ cm is

A) $5\sqrt{3}$ m²

B) $4\sqrt{3}$ m²

C) $3\sqrt{3}$ m²

D) None of these

8. Find the area of an isosceles right-angled triangle whose hypotenuse is 8 cm.

A) 32 cm²

B) 24 cm²

C) 16 cm²

D) None of these

9. If all the sides of a triangle are increased by 200%, then the area of the triangle will increase by

A) 400%

B) 600%

C) 800%

D) None of these

10. If the perimeter of a right-angled isosceles triangle is $4\sqrt{2} + 4$ m, then the hypotenuse is

A) 8 m

B) 6 m

C) 4 m

D) None of these

Answer Keys

Question	Answer
1	C
2	A
3	B
4	A
5	C

Question	Answer
6	A
7	C
8	C
9	C
10	C