

Class 9 Maths Chapter 12 Heron's Formula MCQs - Practice Questions

1. If a , b and c are the sides of a triangle, then Heron's formula is given as

- (a) $\sqrt{[s(s+a)(s+b)(s+c)]}$ square units
- (b) $\sqrt{[s(s-a)(s-b)(s-c)]}$ square units
- (c) $\sqrt{[s(s-a)(s+b)(s-c)]}$ square units
- (d) $\sqrt{[s(s+a)(s-b)(s+c)]}$ square units

2. If a , b and c are the sides of a triangle, then the semi-perimeter " s " in Heron's formula can be found using the formula

- (a) $s = (a+b+c)/3$
- (b) $s = (a-b-c)/3$
- (c) $s = (a+b+c)/2$
- (d) $s = (a-b-c)/2$

3. The area of equilateral triangle with side " a " is

- (a) $A = (\sqrt{3}/4)a^2$ Square units
- (b) $A = (\sqrt{3}/3)a^2$ Square units
- (c) $A = (\sqrt{3}/2)a^2$ Square units
- (d) None of these

4. If the side length of a square is 2cm, then its diagonal is

- (a) 1.94 cm
- (b) 2.83 cm
- (c) 3.12 cm
- (d) 2.56 cm

5. If 3 cm, 4cm and 5cm are the sides of a triangle, then its semi-perimeter is

- (a) 3
- (b) 4
- (c) 5
- (d) 6

6. If the sides of triangle are 3cm, 4cm and 5cm, then the area of triangle is

- (a) 5 cm^2
- (b) 6 cm^2
- (c) 7 cm^2
- (d) 8 cm^2

7. If the area of an equilateral triangle is 625.27 cm^2 , then its side " a " is

- (a) 35 cm
- (b) 37 cm
- (c) 38 cm
- (d) 41 cm

8. If the side length of an equilateral triangle is 4 cm, then its area is

- (a) 5.96 cm^2
- (b) 6.12 cm^2
- (c) 6.34 cm^2
- (d) 6.93 cm^2

9. If one of the sides of an equilateral triangle is 3 cm, then its perimeter is

- (a) 9 cm
- (b) 12 cm
- (c) 15 cm
- (d) 16 cm

10. The sides of the triangles are 5 cm, 10 cm and 12 cm. What is the area of triangle?

- (a) 19.54 cm^2
- (b) 21.2 cm^2
- (c) 24.54 cm^2
- (d) 28.3 cm^2

***** ANSWER KEY *****

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|---------|---------|---------|---------|----------|
| 1 - (b) | 2 - (c) | 3 - (a) | 4 - (b) | 5 - (d) |
| 6 - (b) | 7 - (c) | 8 - (d) | 9 - (a) | 10 - (c) |