

HiDaye-27.7.2021 MCQ CHAPTER- HERON'S FORMULA

1. The area of a triangle is 150 cm^2 and its sides are in the ratio 3 : 4 : 5. What is its perimeter?
 - a. 10 cm
 - b. 30 cm
 - c. 45 cm
 - d. 60 cm
2. What is the area of an equilateral triangle with side 2 cm?
 - a. $\sqrt{6} \text{ cm}^2$
 - b. $\sqrt{3} \text{ cm}^2$
 - c. $\sqrt{8} \text{ cm}^2$
 - d. 4 cm^2
3. What is the length of each side of an equilateral triangle having an area of $4\sqrt{3} \text{ cm}^2$?
 - a. 4cm
 - b. 5cm
 - c. 5cm
 - d. 6cm
4. The sides of a triangle are 3 cm, 5 cm and 6 cm. What is its area?
 - a. $2\sqrt{3} \text{ cm}^2$
 - b. $4\sqrt{14} \text{ cm}^2$
 - c. $5\sqrt{12} \text{ cm}^2$
 - d. $2\sqrt{5} \text{ cm}^2$
5. What is the area of an equilateral triangle with side $\frac{\sqrt{3}}{4}$?
 - a. $\frac{2}{27} \text{ cm}^2$
 - b. $\frac{2}{15} \text{ cm}^2$
 - c. $\frac{3}{16} \text{ cm}^2$
 - d. $\frac{3}{14} \text{ cm}^2$
6. length of one of the equal sides of an isosceles triangle is 4 cm. If its base is 2 cm then what is its area?
 - a. $\sqrt{15} \text{ cm}^2$
 - b. $\sqrt{13} \text{ cm}^2$

c. $\sqrt{12}\text{cm}^2$

d. $\sqrt{14}\text{cm}^2$

7. If the perimeter of an equilateral triangle is 60 cm, then what is its area?

a. $200\sqrt{2}\text{cm}^2$

b. $100\sqrt{2}\text{cm}^2$

c. $100\sqrt{3}\text{cm}^2$

d. $200\sqrt{3}\text{cm}^2$

8. The sides of a triangle are 8 cm, 11 cm and 13 cm. What is its area?

a. $8\sqrt{30}\text{cm}^2$

b. $4\sqrt{10}\text{cm}^2$

c. $3\sqrt{100}\text{cm}^2$

d. $6\sqrt{200}\text{cm}^2$

9. The sides of a triangle are 15 cm, 17 cm and 8 cm. What is its area?

a. 20cm^2

b. 40cm^2

c. 60cm^2

d. 80cm^2

10. The sides of a triangle are in the ratio of 3 : 4 : 5. If its perimeter is 36 cm, then what is its area?

a. 32 cm^2

b. 54 cm^2

c. 67 cm^2

d. 72cm^2

11. The difference of semi-perimeter and the sides of $\triangle ABC$ are 8, 7 and 5 cm respectively. Its semi-perimeter 's' is

(a) 20 cm

(b) 5 cm

(c) 15 cm

(d) 10 cm

12. An isosceles right triangle has area 8 cm^2 . The length of its hypotenuse is :

(a) $\sqrt{16} \text{ cm}$

(b) $\sqrt{48} \text{ cm}$

(c) $\sqrt{32} \text{ cm}$

(d) $\sqrt{24} \text{ cm}$

13. The base of a right angled triangle with area 300 cm^2 and height 30 cm is

(a) 10 cm

(b) 30 cm

(c) 20 cm

(d) 15 cm