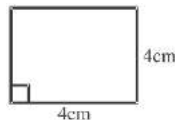
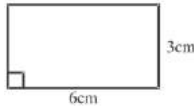


Mathematics 9th class objective Notes

CHAPTER#16

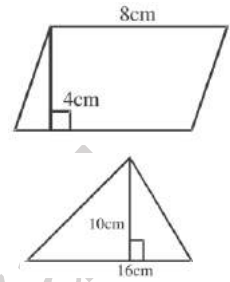
1. The region enclosed by the bounding lines of a closed figure is called the ___ of the figure:
 (a) Area (b) Circle
 (c) Boundary (d) None
2. **Base × altitude =**
 (a) Area of parallelogram
 (b) Area of square
 (c) Area of Rectangular
 (d) Area of Triangle
3. The union of a rectangle and its interior is called:
 (a) Circle region
 (b) Rectangular region
 (c) Triangle region (d) None
4. If a is the side of a square, its area will be equal to...
 (a) a square unit (b) a² square units
 (c) a³ square units (d) a⁴ square units
5. The union of a triangle and its interior is called as:
 (a) Triangular region
 (b) Rectangular region
 (c) Circle region (d) None of these
6. Altitude of a triangle means perpendicular distance to base from its opposite ____
 (a) Vertex (b) Side
 (c) Midpoint (d) None
7. Area of given figure is.....
 (a) 18cm
 (b) 9cm
 (c) 18cm²
 (d) 9cm²
8. Area of given figure is.....
 (a) 4cm
 (b) 8cm²
 (c) 16cm
 (d) 16cm²
9. Area of given figure is.....



- (a) 4cm²
- (b) 12cm²
- (c) 32cm
- (d) 32cm²

10. Area of given figure is....

- (a) 160cm²
- (b) 80cm²
- (c) 80cm
- (d) 160cm



11. Area of triangle is

- (a) $A = \frac{1}{2}$ Base × Height
- (b) $A = \text{Base} \times \text{Height}$
- (c) $A = L \times w$
- (d) $A = L^2$

12. Area of square is

- (a) $A = \frac{1}{2}$ Base × Height
- (b) $A = \text{Base} \times \text{Height}$
- (c) $A = L \times w$
- (d) $A = L^2$

13. Area of rectangle is

- (a) $A = \frac{1}{2}$ Base × Height
- (b) $A = \text{Base} \times \text{Height}$
- (c) $A = L \times w$
- (d) $A = L^2$

14. Area of parallelogram is ...

- (a) $A = \frac{1}{2}$ Base × Height
- (b) $A = \text{Base} \times \text{Height}$
- (c) $A = L \times w$
- (d) $A = L^2$

15. If the length and breadth of a rectangle are 'a' and 'b' then its area will be:

- (a) a + b (b) a × b
- (c) a - b (d) a = b

16. In most cases similar figures have _____ areas.

- (a) same (b) different
(c) equal (d) congruent

17. All congruent figures have _____ areas.

- (a) same (b) different
(c) zero (d) non-congruent

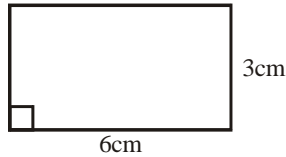
18. Area of a geometrical figure is always ___ real number.

- (a) zero (b) positive
(c) negative (d) rational

1	a	2	a	3	b	4	b	5	a	6	a	7	c	8	d	9	d
10	b	11	a	12	d	13	c	14	b	15	b	16	b	17	a	18	b

Question no 2:

Find the area of the following:

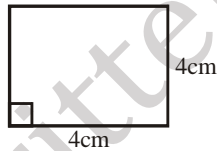


(i)

Area of rectangle = $L \times W$

$$\text{Area} = 6\text{cm} \times 3\text{cm}$$

$$\text{Area} = 18\text{cm}^2$$

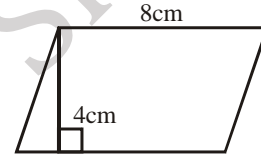


(ii)

Area of square = L^2

$$\text{Area} = (4\text{cm})^2$$

$$\text{Area} = 16\text{cm}^2$$

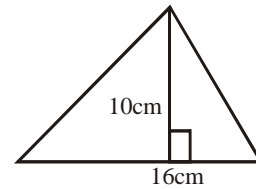


(iii)

Area of \square^{gm} = base \times height

$$\text{Area} = 8\text{cm} \times 4\text{cm}$$

$$\text{Area} = 32\text{cm}^2$$



(iv)

Area of triangle = $\frac{1}{2}$ base \times height

$$\text{Area} = \frac{1}{2} \times 16\text{cm} \times 10\text{cm}$$

$$\text{Area} = \frac{1}{2} \times 160\text{cm}^2$$

$$\text{Area} = 80\text{cm}^2$$