

I. Choose the correct answer:

1. c. Perimeter
2. b. 30000
3. c. $l + b$
4. a. Sum
5. a. areas
6. b. 5000000
7. a. 19m
8. a. side x side
9. c. area
10. a. 15m
11. b. length
12. c. Greek
13. b. $l \times b$
14. b. 4
15. b. 700

II. Match the following:

16. all sides are equal
17. $8M^2$
18. 'Peri' and 'metron'
19. length x breadth sq units
20. $\frac{1}{2} \times (b \times h)$ sq.units

5x1=5

III. Answer any ten of the following:

21. Side = 7 m
Perimeter = $4 \times 5 = 4 \times 5 = 20\text{cm}$.

10x3=30

22. Perimeter of the given figure = $3\text{m} + 3\text{m} + 1\text{m} + 5\text{m} + 4\text{m} + 5\text{m} + 1\text{m} = 22\text{m}$

23. Side = 7 m
Area = side x side sq units
 $= 7\text{m} \times 7\text{m} = 49\text{sq.m}$

24. i. 200 ii. 18000 iii. 5000000

25. $L = 5\text{cm}$, $B = 8\text{cm}$, Area = 7
Area = $l \times b$ sq units
 $= 5 \times 8 = 40\text{sq. cm}$

26. No. of: sides = 10
Length of side = 5 cm
Perimeter = $10 \times 5 = 50\text{cm}$

27. Base = 20cm, Height = 40cm
Area = $\frac{1}{2} \times B \times H$ sq units.

$$= \frac{1}{2} \times 20 \times 40 = 400 \text{ sq cm}$$

28. Sides of an isosceles Triangle = 8cm, Third side = 5cm
Perimeter = $8\text{cm} + 8\text{cm} + 5\text{cm} = 21\text{cm}$.

29. Perimeter = 40m
 $4 \times \text{side} = 40\text{m}$
Side = $\frac{40}{4} = 10\text{m}$

30. $L = 6\text{m}$, $B = 4\text{m}$, Perimeter = $2(l+b)$ units.
 $2(6+4)\text{m} = 2 \times 10 = 20\text{m}$

31. Perimeter = 10m ; $B = 3\text{m}$
 $2(l + b) = 10\text{m}$
 $(l+b) = \frac{10}{2} = 5\text{m}$
 $l + 3\text{m} = 5\text{m}$
 $l = 5\text{m} + 3\text{m} = 2\text{m}$

32. Perimeter = 90cm
 $s + s + s = 9\text{cm}$
 $3s = 90$
 $s = \frac{90}{3} = 30\text{cm}$

IV. Answer any four of the following:

4x5=20

33. Side = 6cm
Perimeter = $4 \times s$ units
 $= 4 \times 6 = 64\text{cm}$
Area = side x side sq units
 $= 6 \times 6 = 36 \text{ sq cm}$

34. $B = 25\text{m}$ $H = 20\text{m}$
Area = $\frac{1}{2} \times b \times h$ sq units.
 $= \frac{1}{2} \times 25 \times 10 = 250 \text{ sq. m}$
Cost of 1 sq. m = ₹ 45
Cost of 250 sq.m = 250×45
 $= ₹ 11, 250$

35. Perimeter of the combined shape = $2\text{cm} + 2\text{cm} + 13\text{cm} + 10\text{cm}$

36. $L = 13\text{cm}$, Perimeter = 54 cm
 $2(l + b) = 54$
 $l + b = \frac{54}{2} = 27\text{cm}$
 $13 + b = 27\text{cm}$
 $b = 27\text{cm} - 13\text{cm} = 14\text{cm}$
Area = $l \times b$ sq units
 $= 13\text{cm} \times 14\text{cm} = 182 \text{ sq. cm}$

37. Side = 5m

$$\text{Perimeter} = 4 \times \text{side units}$$

$$= 4 \times 5\text{m} = 20$$

$$\text{Length of wire} = 2 \times 20 = 40\text{m}$$

$$\text{Cost of fencing} = 4 \times \text{₹ } 10 = \text{₹ } 400$$

38. Area of rectangle = l x b sq units.

$$= 40 \times 20 = 800 \text{ sq cm}$$

$$\text{Area of square} = s \times s \text{ sq units}$$

$$= 10 \times 10 = 100 \text{ sq . cm}$$

$$\text{No of square} = \frac{\text{Area of } \square = 800}{\text{Area of } \square = 100} = 8$$

$$\text{Area of } \square = 100$$

Ans = 8 squares

V. FBT:

(5)

39. Area : Levelling of grand, Tiling the floor.

Perimeter: Fencing the wall, Framing the photo.