Q.1. The perimeter of regular polygon is

(a) no. of sides × lengths of one side (b) no. of sides + lengths of one side
(c) no. of sides – lengths of one side (d) no. of sides ÷ lengths of one side

Q.2. If the area of rectangle increases from 2 cm^2 to 4 cm^2 the perimeter will

(a) increase (b) decrease (c) remains same (d) none of these

Q.3. The area of a square whose perimeter is 4 m

(a) 1 m^2 (b) 4 m^2 (c) 2 m^2 (d) 3 m^2

Q.4. Which figure encloses more area : a square of side 2 cm ; a rectangle of side 3 cm & 2 cm ;An equilateral triangle of side 4 cm

(a) rectangle (b) square (c) triangle (d) same of rectangle & square

Q.5. The area of rectangle whose length is 15 cm & breadth is 6 m

(a) 9000 cm^2 (b) 90 cm^2 (c) 9 cm^2 (d) 900 cm^2

Q.6. In the figure ΔABC is isosceles AE = 6 cm , BC = 9 cm, the area of ΔABC is

(a) 27 cm^2 (b) 54 cm^2 (c) 22.5 cm^2 (d) 45 cm^2

Q.7. The area of parallelogram is

(a) base + height (b) base × height (c) base × base (d) height× height

Q.8. The base in the area of parallelogram is

(a) $\frac{area}{height}$ (b) $\frac{height}{area}$ (c) area × base (d) area × height

Q.9. The height in the area of parallelogram is

(a) $\frac{base}{area}$ (b) $\frac{area}{base}$ (c) area × base (d) area × height

Q.10. Which of the following has the formula Base × Height

(a) area of parallelogram (b) area of quadrilateral
(c) area of triangle (d) area of trapezium

Q.11. The area of triangle is

(a) base × height (b) ½ x base × height

(c) ½ × (base + height) (d) base + height

Q.12. The height in the area of a triangle

(a) $\frac{2\ area}{base}$ **(b)** $\frac{2\ base}{area}$ **(c)** $\frac{area}{2\ base}$ **(d)** $\frac{base}{2\ area}$

Q.13. If the area of the triangle is 36 cm^2 and the height is 3 cm, the base of the triangle will be

(a) 12 cm (b) 39 cm (c) 108 cm (d) 24 cm

Q.14. The base in the area of triangle is

(a) $\frac{area}{2\ height}$ **(b)** $\frac{2\ area}{height}$ **(c)** $\frac{2\ height}{area}$ **(d)** $\frac{height}{2\ area}$

Q.15. The distance around a circular region is known as its

(a) area (b) diameter of circle (c) circumference (d) radius

Q.16. The perimeter of square of side 2.5 m is

(a) 10.2 m (b) 10.2 m^2 (c) 6.25 m^2 (d) 6.25 m

Q.17. The perimeter of rectangle of length 1.5 cm & breadth 2 cm is

(a) 3.4 cm (b) 7 cm (c) 6 cm (d) 3.5 cm

Q.18. The area of parallelogram whose base 6 cm & altitude 7 cm is

(a) 18 cm^2 (b) 18 cm (c) 9 cm^2 (d) 9 cm

Q.19. The height of parallelogram whose area is 35 cm^2 and altitude 7 cm

(a) 5 cm (b) 5 cm^2 (c) 245 cm (d) 245 cm^2

Q.20. In fig. the length of the altitude DF will be

(a) 14 cm (b) 56 cm (c) 8 cm (d) 14 cm^2

Q.21. In fig. area of $\blacksquare gm$ **will be**

(a) (8 × 2) cm^2 (b) (3 × 2) cm^2 (c) (8 × 42) cm^2 (d) (8 × 3) cm^2

Q.22. Area of triangle whose base is 15 cm and corresponding altitude is 6 cm will be

(a) 45 cm^2 (b) 90 cm^2 (c) 45 cm (d) 90 cm

Q.23. Find the area of a right triangle whose base is 3 cm, perpendicular is 2 cm and hypotenuse is 5 cm.

(a) 3 cm^2 (b) 7.5 cm^2 (c) 5 cm^2 (d) 6 cm

Q.24. What will be the area of circular button of radius 7 cm

(a) 154 cm^2 (b) 49 cm^2 (c) 154 cm (d) 3.14 x 7 cm^2

Q.25. The circumference of circle whose diameter is 14 cm will be

(a) 44 cm (b) 88 cm (c) 44 cm^2 (d) 88 cm^2

Q.26. The perimeter of circle is its

(a) area (b) circumference (c) radius (d) diameter

Q.27. Diameter is _____ .

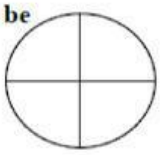
(a) twice radius (b) half radius (c) equal to radius (d) one-third of radius

Q.28. л (pi) is

(a) ratio of circumference to diameter (b) diameter to circumference

(c) 21/17 (d) 3.41

Q.29. If the area of circle is 44 cm^2 , the are of shaded portion will be



(a) 11 cm^2 (b) 11 cm

(c) 22 cm^2 (d) 22 cm^2

Q.30. If the radius of pipe is 1 cm , the circumference of pipe will be

(a) 62.8 cm (b) 6.28 cm (c) 62.8 cm^2 (d) 6.28 cm

Q.31. The circumference of a circle is

(a) $л \times r$ (b) $л \times r^2$ (c) $л \times 2r$ (d) $л + 2r$

Q.32. The diameter of a circle is

(a) r^2 (b) $2r$ (c) $2 л r^3$ (d) $л r^2$

Q.33. Which of the following is an example of circle?

(a) a chair (b) a bottle cap (c) a cup (d) a table

Q.34. The area of a circle is

(a) $2 л r$ (b) $2 л r^2$ (c) $л r^2$ (d) $л d$

Q.35. 1 m^2 = _____ .

(a) 100 cm^2 (b) 1000 cm^2 (c) 10000 m^2 (d) 10000 cm^2

Q.36. One hectare is equal to

(a) 100 m^2 (b) 1000 m^2 (c) 10,000 m^2 (d) 10,000 m

Q.37. The circumference of a circle with radius 7 cm is

(a) 11 cm (b) 22 cm (c) 44 cm (d) 49 cm

Q.38. The value of constant π is

(a) 31.4 (b) $\frac{22}{7}$ (c) $\frac{7}{22}$ (d) 314

Q.39. In fig. the area of larger rectangle is 1750 m^2 and the area of smaller rectangle is 1350 m^2

(a) 3100 m^2 (b) 400 m^2 (c) 750 m^2 (d) 350 m^2

Q.40. In fig., the area of rectangular sheet is 50 cm^2 and the area of circle inside the sheet is 15 cm^2 cut from the sheet, then the area of remaining sheet will be

(a) 35 cm^2 (b) 65 cm^2 (c) 35 cm (d) 65 cm

ANALYSE YOUR PERFORMANCE

QUESTIONS	TALLY MARKS	REVISE THESE CONCEPTS
1, 3, 7, 8, 9, 11, 12, 14, 27, 31, 34		Knowledge of formulae
15, 26, 28, 32, 36, 38		Concept of terms
2, 4, 6, 10, 21, 23, 24, 29, 33, 35, 39, 40		Understanding of concepts
5, 13, 16, 17, 18, 19, 20, 22, 24, 30, 37		Applications