



SUMMATIVE ASSESSMENT – THIRD TERM

MATHEMATICS

Max. Marks: 60
Std - VI
Time: 2 Hrs
I. Choose the correct answer:
5 x 1 = 5

1. Triangle with all the three sides and three angles equal are said to be _____ triangle.
 a) Equilateral b) Isosceles c) Scalene d) Right angled
2. Perpendicular lines are lines that meet at _____ angles.
 a) acute b) obtuse c) straight d) right
3. Area of a rectangle = _____.
 a) $h \times h$ b) $a \times a$ c) $b \times h$ d) $l \times b$
4. The length of one side of a square is 7cm, its area is _____.
 a) 14cm^2 b) 49cm^2 c) 28cm^2 d) 21cm^2
5. A graphical view of algorithm is called a _____.
 a) Histogram b) Polygon c) Flowchart d) Tree diagram

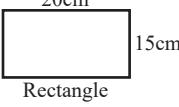
II. Fill in the blanks with suitable answers:
5 x 1 = 5

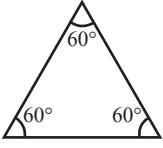
6. _____ is the distance around a closed plane figure.
7. Perimeter of a square = _____ units.
8. Bermuda Triangle is also known as _____.
9. The GCD of 47 and 11 is _____.
10. Area of a right-angled triangle is _____.

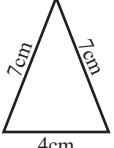
III. Match the following:
5 x 1 = 5

11.  Square Perimeter = 18cm

12.  Hexagon Equilateral Triangle

13.  Rectangle Isosceles triangle

14.  Perimeter = 160cm

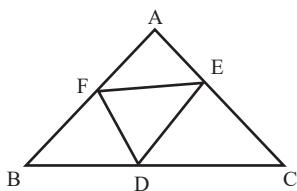
15.  Perimeter = 70cm

IV. State whether the following statements are True or False:
5 x 1 = 5

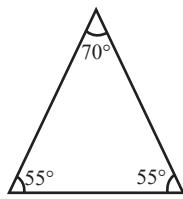
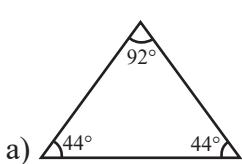
16. Euclid's Algorithm is used to find the greatest common divisor for 2 positive integers.
17. Sudoku is a word puzzle.
18. 3D shapes will have length, width and height.
19. A triangle is called isosceles if one of its sides are of equal length.
20. A ray has no endpoint.

V. Answer the following: (Any 10)**10 x 2 = 20**

21. Count and name all the triangles in the figure.



22. Classify the triangles by their angles.



b) $25^\circ, 65^\circ, 90^\circ$

23. Define parallel lines and perpendicular lines.

24. If 6cm, 4cm and 5cm are the sides of a triangle, find its perimeter.

25. The perimeter of a square is 100cm. What is the length of each side?

26. A wire of length 16cm is bent into a square. Find the side of the square.

27. Represent $(a + b) \times (c + d)$ as tree diagram.

28. Write an Algorithm for adding 2 numbers A & B.

29. Let ABC be a right-angled triangle, with base 8cm and height 16cm. Find its area.

30. Draw the right Isosceles triangle and explain.

31. The perimeter of a square is 200cm, its area is _____.

32. Draw a square of side 5cm and measure its area and perimeter.

VI. Answer the following: (Any 4)**4 x 5 = 20**

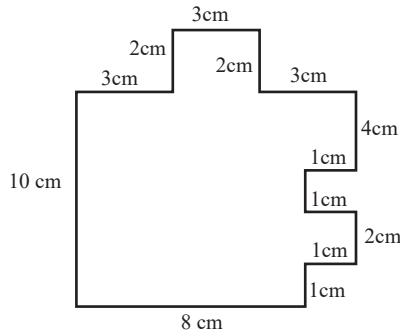
33. A rectangular piece of paper has a width of 10cm and an area of 190 sq.cm. Find the length.

34. Draw a tree diagram for the given expression

(i) $2(x + 4) \times (y + 6)$

35. A visiting card has a length of 18cm and a width of 22cm. Find the area & perimeter.

36. Find the perimeter of the following figure.



37. Write an Algorithm to find the least common multiple of 2 numbers.

38. Find the GCD of the given numbers using Euclid's Algorithm.

$a = 254, b = 32$