

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)  $14\text{cm}^2$                       b)  $49\text{cm}^2$                       c)  $28\text{cm}^2$                       d)  $21\text{cm}^2$
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  
  
40cm

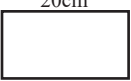
Perimeter = 18cm

12. 

Hexagon  
  
3cm

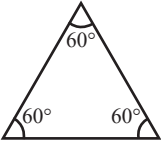
Equilateral Triangle

13. 

20cm  
  
15cm  
Rectangle

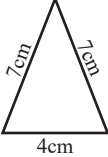
Isosceles triangle

14. 



Perimeter = 160cm

15. 

  
4cm

Perimeter = 70cm

IV. State whether the following statements are True or False:

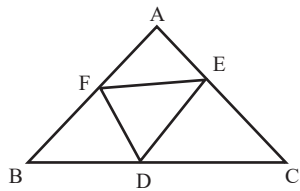
5 x 1 = 5

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.

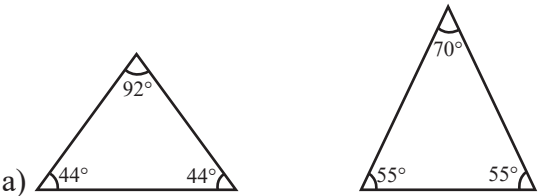
V. Answer the following: (Any 10)

10 x 2 = 20

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



22. Classify the triangles by their angles.



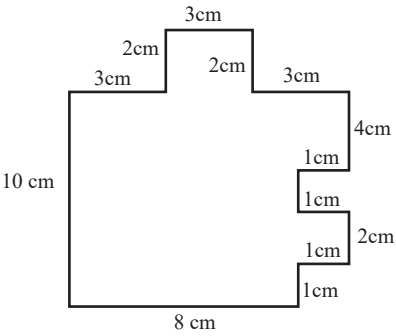
b) 25°, 65°, 90°

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.
- $a = 254, b = 32$