FORMATIVE ASSESSMENT – THIRD MID TERM

MATHEMATICS

Max. Marks: 50

Std - VI

Time: 1½ Hrs

Name of the School:	**Name of the Student:**
_____	_____
Place:	**Roll No.:**
_____	_____

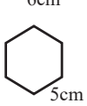
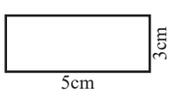
I. Choose the correct answer: 5 x 1 = 5

1. Area of square of side 5 cm is _____.
   a) 25 sq cm b) 10 sq cm c) 20 sq cm d) none of these
2. If the perimeter of a square is 36cm, then its area is _____.
   a) 81 sq cm b) 18 sq cm c) 6 sq cm d) 12 sq cm
3. Area of a rectangle _____.
   a) $l + b$ b) $\frac{l}{b}$ c) $b - l$ d) $l \times b$
4. _____ is used to find the GCD for 2 positive Integers.
   a) Dijkstra's Algorithm b) Euclid Algorithm
   c) Hitori d) Listing Algorithm
5. GCD of 310 and 55 is _____.
   a) 5 b) 6 c) 7 d) 8

II. Fill in the blanks: 5 x 1 = 5

6. Perimeter of an equilateral triangle is _____ .
7. 1 cm = _____ mm
8. 2.5 kilometer = _____ meters.
9. _____ is measured in square units.
10. The area of a rectangle with length 5cm and breadth 3cm is _____.

III. Match the following: 5 x 1 = 5

11.	Square		Perimeter = 18cm
12.	Equilateral Triangle		Perimeter = 30cm
13.	Regular Hexagon		Perimeter = 20cm
14.	Rectangle		Perimeter = 10cm
15.	Isosceles Triangle		Perimeter = 16cm

IV. True or False: 5 x 1 = 5

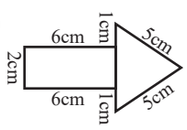
16 A graphical view of algorithm is called a flow chart.

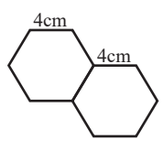
17. GCD stands for greatest computation divisor.

18. Area of a right angled triangle is 1/2×base×height.
19. Area is the distance around a closed plane figure.
20. 3D shapes will have length, breadth and height.

V. Answer any five of the following: 5 x 2 = 10

21. The length and breadth of a rectangle are 12cm and 6cm respectively. Find its perimeter.
22. The perimeter of a square is 100cm. What is the length of each side?
23. A rectangle has a length of 3cm and a width of 7cm. What is its area?
24. Represent $(a + b) \times (c + d)$ as a tree diagram.
25. Write an algorithm to find the least common multiple of 2 numbers.
26. Draw tree diagram for the given expression $(5x + 3) \times (2x + 9)$
27. Find the perimeter of the following figures.

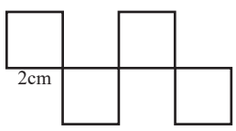
(a) 

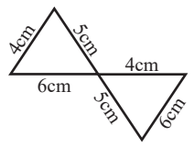
(b) 

28. Find the length of the rectangular field whose perimeter is 586m and breadth 110m.

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

29. Find the perimeter of each of the following figures.

a) 

b) 

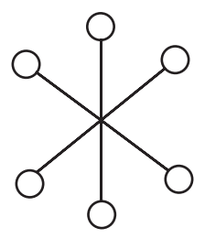
c. Write the formula.

Area of a square = _____.

Area of a rectangle = _____.

Perimeter of rectangle = _____.

30. A rectangular field of length 2.3m and breadth 6.7m is fenced 4 rounds of branded wire. Find the length of the wire required and its cost, if a meter of wire costs ₹35. How many meters does it cost to fence at the rate of ₹20 per sq.m?
31. Find the area of the right angled triangle whose base is 18cm and height 22cm.
32. Place numbers from 1 to 7 in the circles such that the sum of numbers in the straight line gives the same number.



33. A rectangular piece of paper has a width of 10cm and an area of 190 sq.cm . What is its length?
34. A rectangular field is 255m wide with perimeter 1400m. Find the length of the field.
35. Find the cost of fencing a square part of side 250m at the rate of ₹10 per meter.