DAV BR PUBLIC SCHOOL, BINA
PRCTICE PAPER (2023-24)

Class: IV   **Subject: Maths**
Time:-2 hrs   **MM: - 50**

I.   **Choose the correct option.**   **6 X 1 = 6**
1.   The two rays forming an angle are called the _____ of the angle.
     a. arms   b. angle   c. degree   d. vertex
2.   There are _____ angles in a square.
     a. 3   b. 4   d. 5   d. 6
3.   The measure of the amount of surface enclosed by a closed figure is called _____.
     a. area   b. volume   c. perimeter   d. capacity
4.   The best unit of measuring area is _____.
     a. triangle   b. square   c. cube   d. rectangle
5.   Which of the following has the greatest volume?
     a. basketball   b. cricket ball   c. table tennis ball   d. golf ball
6.   What will come next in the given pattern –

     □ □ □ △ △ ___, ___, ___.

     a. □ △ □   b. □ □ □   c. △ □ □   d. △ △ △

II.   **Fill in the blanks:**   **6 X 1 = 6**
1.   The sum of four angles of a rectangle is equal to _____.
2.   The area of a square having one side equal to 2cm is _____.
3.   The amount of space occupied by a solid is called its _____.
4.   The best unit to measure volume is _____.
5.   The next number in the pattern 30, 27, 24, 21, _____, _____.
6.   9, 109, 209, _____, _____, _____, _____.

III.   **Write T for True and F for False statement:**   **6 X 1 = 6**
1.   An angle of measure $110°$ is an acute angle.
2.   A 10 rupee note has more area than a 100 rupee note.
3.   The volume of a cube of edge 1m is 4 cu. m
4.   Empty or full objects of same size and shape have the different volume.
5.   There are 2 right angles in a straight angle.
6.   All the patterns follow some specific rules.

**IV.**   **Short answer questions:**   **6 X 2 = 12**
1.   Draw a line segment AB of length 6.5 cm. At A, draw an angle of measure 70º.
2.   Construct the following angles:
     a. 125°   b. 45°

3. Find the area of a rectangle whose length is 30 cm and breadth is 20 cm.
4. A square park is to be watered. If one side of the park is 5m, find the area to be watered?
5. Find the volume of cube whose edges are given below:
   a. 8 cm   b. 14 cm
6. The edge of a cuboidal box is 7 cm. Half of the box is filled with sand. What is the volume of the sand?

V.   **Long answer questions:**   **5 X 3 = 15**

1. Answer the following using the given figure:
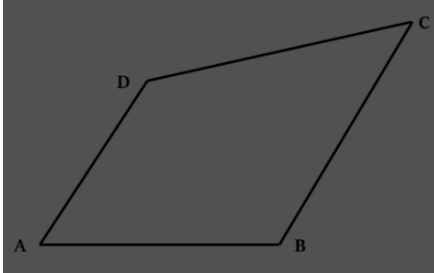
a) How many acute angles are there?

b) How many obtuse angles are there?

c) What is the measure of ∠ DAB = ?

2. The length of a park is 15 metres and breadth is 8 metres. Find the area of the park.

3. Ramu has a paddy field which is in the shape of a rectangle. It has a length of 16 cm and breadth of 9 cm. If he has ploughed an area of 90 sq. m of the field, how much more area is to be ploughed?

4. Which one has more volume?
   A cuboid of length 6 cm, breadth 4 cm and height 3 cm or a cube of edge 5 cm.

5. Complete the given number towers:
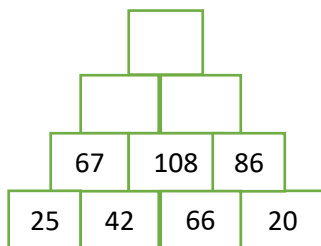
VII.   **Case Study Question:**

3.   **Case Study Question**

During Summer break, Raghu went to his grandmother's house in a village. One day, when he was walking around the fields, he saw an old farmer irrigating his field of length 90 m and breadth 40 m using pipe. After sometime, Raghu saw that the farmer was tired and was sitting on the ground putting his head down and still one-fourth of the field was left to be irrigated. He immediately went to him and helped him to irrigate the remaining field. The old farmer was happy and thanked Raghu.

a) What was the total length of the field of the farmer?
   i) 90 m   ii) 50 m   iii) 40 m   iv) 10 m

b) What was the total breadth of the field of the farmer?
   i) 90 m   ii) 50 m   iii) 40 m   iv) 10 m
c) What was the total area of the field?
   i) 260 sq. m   ii) 3600 sq. m   iii) 130 sq. m   iv) 3000 sq. m
d) How much field was irrigated by Raghu?
   i) 90 sq. m   ii) 900 sq. m   iii) 9000 sq. m   iv) 90000 sq. m
e) Which value is reflected by Raghu?
   i) Kindness   ii) Truth   iii) Confidence   iv) Courage

*******************BEST WISHES!! ***********************