Wada Nirmiti Education Society's

GURUKUL GLOBAL SCHOOL

WORKSHEET

LESSON: 6

SUB: Maths **Perimeter & Area** **STD:VI**

NAME: _____ROLL No: _____DATE:

Choose the correct answer and write:

1. The amount of surface enclosed by a closed figure is called its _____.

   a. perimeter b. area c. circumference d. radius

2. Area of a rectangle=_____.

   a. length x breadth b. length + breadth c. 2 x (length + breadth) d. side x side

3. The perimeter of a square=_____ x length of a side.

   a. 6 b. 4 c. 3 d. 5.

4. The _____of a polygon is the sum of the lengths of all its sides.

   a. area b. perimeter c. vertex d. faces

5. The _____ of a closed figure is the measure of the region enclosed by the figure.

   a. area b. perimeter c. vertex d. faces

6. The area of a rectangular sheet of paper is 20 sq cm. Its length is 5cm.Find its breadth.

   a. 1 cm b. 2 cm c.3 cm d. 4cm

7. The area of a square of side 1 cm is _____.

   a. 1 sq cm b. 4 sq cm c. 9 sq cm d. 16 sq cm

8. The perimeter of a regular pentagon of each side 2 cm is_____.

   a. 15 cm b. 20 cm c. 10 cm d. 50 cm

9. _____ is the cost of fencing a rectangular park of length 10 m and breadth 5 m at the rate of Rs 10 per metre.

   a. Rs 600 b.Rs 300 c. Rs 150 d. Rs 1200

10. The perimeter of a triangle of sides 2cm, 3cm and 4 cm is_____.

    a. 9 cm b.18 cm c. 27 cm d. 36 cm

Do as directed:

1. Find the areas of the rectangles whose sides are : (i) 3cm and 4 cm (ii) 12 m and 21 m

2. Find the areas of the squares whose sides are : (i) 14 cm (ii) 5 m

3. Find the side of the square whose perimeter is 20 m.

4. Two sides of a triangle are 12 cm and 14 cm. The perimeter of a triangle is 36 cm .What is its third side?

5. A room is 4 m long and 3 m 50 cm wide .How many square metres of carpet is needed to cover the floor of the room?

6. The lid of a rectangular box of side 40 cm by 10 cm is sealed all round with tape .What is the length of the tape required?

7. Find the perimeter:
   a. An equilateral triangle of side 9 cm.
   b. An isosceles triangle with equal sides 8 cm each and third side 6 cm.

8. Four flower beds having sides 3 m long and 2 m wide are dug at the four corners of a garden that is 16 m long and 12 m wide .how much area is now available for laying down a lawn?

9. A piece of string is 48 cm long. What will be the length of each side if the string is used to form:
   a. A square b. an equilateral triangle c. a regular hexagon

10. Find the cost of fencing a rectangular park of length 100 m and breadth 75 m at the rate of Rs 15 per metre.

11. The perimeter of a rectangular piece of cardboard is 16 m .Its breadth is 3 m .Find its length.

12. What is the cost of tiling a rectangular plot of land 500 m long and 200 m wide at the rate of Rs.9 per sq m?

13. An athelete takes 10 rounds of a rectangular park, 40 m long and 30 m wide. Find the total distance covered by him.

14. Find the perimeter of the given figures:



