

# INTERNATIONAL INDIAN SCHOOL, RIYADH.

## MATHEMATICS WORKSHEET- (2017 - 2018) / Class: VI

### CHAPTER 10 - MENSURATION

1. The perimeter of \_\_\_\_\_ = 3 x side.
2. If the perimeter of a square is 240 m, then the length of each of its sides is \_\_\_\_\_.
3. The total length of the boundary of a closed figure is \_\_\_\_\_.
4. Area of a rectangle is  $x \times y$ . If its breadth is  $y$ , then its length is \_\_\_\_\_.
5. The perimeter of a regular pentagon is 15 cm, and then the length of each side is \_\_\_\_\_.
6. A piece of string is 45 cm long. What will be the length of each side of the string if it used to form?
  - a) A square
  - b) An equilateral triangle
  - c) A regular pentagon
7. Find the cost of fencing a square field of side 24 m at the rate of Rupees 25 per meter?
8. The area of the field is  $4800 \text{ m}^2$ , If its length is 80 m, then find its breadth.
9. How many square tiles of side 50 cm will be required to pave the floor of rectangular room 4 m x 3 m.
10. How many tiles of length 12 cm and breadth 6 cm will be needed to fit in a rectangular area of length and breadth 96 cm and 39 cm respectively?
11. A square carpet of side 2.5 m is laid on the floor of a room which is 4.5 m long and 3.5 m wide. Find the area of the floor what is not carpeted?
12. The lengths and breadth of a rectangle are 21 cm and 5 cm. Find its area and perimeter?
13. Find the perimeter of a regular hexagon of side  $x$  cm.
14. The perimeter of triangle is 42 cm. if two of its sides are 16 cm and 12 cm. Find its third side?
15. An athlete takes 5 rounds of a rectangular park 210 m long and 80 m wide. Find the total distance covered by him.
16. Find the area of a square whose perimeter is 320 m.
17. The total cost of fencing a square park at Rs. 20 per meter is Rs.2880. Find the side of the square park?

18. A wire is bent to form a rectangle of 28 m x 10 m. It is again straightened and bent now to form a square. What is the side of the square so formed?

19. Fill in the blanks in respect of rectangles.

S.No.	Length	Breadth	Area	Perimeter
1.	4 cm	3 cm	_____	_____
2.	_____	12 cm	240 cm <sup>2</sup>	_____
3.	5 cm	8.5 cm	_____	_____

20. Fill in the blanks in respect of squares.

S.No.	Side	Area	Perimeter
1.	3.5 cm	_____	_____
2.	_____	_____	20 cm
3.	_____	16 cm <sup>2</sup>	_____

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**ANSWER KEY**

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1. Equilateral triangle
2. 60 m
3. Perimeter
4. x
5. 3 cm
6. a) 11.25 cm    b) 15 cm    c) 9 cm
7. Rs. 2400
8. Breadth = 60 m
9. 48
10. 52
11.  $9.5 \text{ m}^2$
12. Area =  $105 \text{ cm}^2$ ,    Perimeter = 52 cm
13.  $6x \text{ cm}$
14. 14 cm
15. 2900 m
16.  $6400 \text{ m}^2$
17. 36 m
18. 19 m
19. 1) Area =  $12 \text{ cm}^2$ ,    Perimeter = 14 cm  
2) Length = 20 cm,    Perimeter = 64 cm  
3) Area =  $42.5 \text{ cm}^2$ ,    Perimeter = 27 cm
20. 1) Area =  $12.25 \text{ cm}^2$ , Perimeter = 14 cm  
2) Side = 5 cm,    Area =  $25 \text{ cm}^2$   
3) Side = 4 cm,    Perimeter = 16 cm