



# ST. LAWRENCE HIGH SCHOOL



## TOPIC- Mensuration (Revision)

Sub: Mathematics

Class: 9

F. M. 15

WORK SHEET NO. -18

Date: 27. 4.2020

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**Q.1) Choose the correct options: 1x15=15**

- i) If the perimeter of a square Park is 832m, then its area is \_\_\_\_\_ sqm.  
a)43264 b)42364 c)43624 d)46324
- ii) The cost of cultivating a square field at the rate of Rs360 /hectare is Rs5760. What is the cost of fencing the field at the rate of Rs18 /m?  
a)20820 b) 28008 c) 22880 d)28800
- iii) A room measures 12m x 9m. The floor of the room is to be covered by marble tiles measuring 45cm x 30cm. The number of tiles needed are  
a) 400 b) 600 c) 800 d) 1000
- iv) A metal plate measuring 42cm by 14cm is cut into small square of length 7mm. How many squares can be cut?  
a) 1000 b) 2000 c) 1200 d)1500
- v) A man walks at the rate of 4km/hr. How long will he take to go around a square Park five times whose area is 2500 sqm ?  
a) 10min b) 12min c) 15min d) 20min
- vi) A farmer has a land measuring 250m by 160m. How much land revenue he has to pay at the rate of Rs1500/hectare?  
a)4000 b) 6000 c) 8000 d) 1600
- vii) The length of a rectangle is 20% more than its breadth. What will be the ratio of the area of the rectangle to that of the square whose side is equal to the breadth of the rectangle?  
a)2:5 b)3:5 c)6:5 d)5:6
- viii) 60 square tiles of equal size were needed to cover a floor area of 135sqm. The length of each tile will be  
a)150cm b)105cm c)70cm d)210cm
- ix) A typist uses a sheet measuring 20cm by 30cm length wise. If a margin of 2cm is left on each side and a 3cm margin on top and bottom the % of page used for typing is  
a) 40 b) 60 c) 64 d) 72
- x) A field in the form of a parallelogram has Base 15dam and altitude 8dam. Find the cost of watering the field at 10 paise/sqm.  
a)Rs120 b)Rs1200 c) Rs1120 d) Rs2100
- xi) The area of a parallelogram is 72sqcm and its altitude is twice the corresponding base. The length of the base is  
a)6 cm b)8cm c)12cm d)4cm
- xii) Find the area of an isosceles right angled triangle if one of its equal sides is 15cm?  
a)225sqcm b)112.5sqcm c)125sqcm d) 110.5sqcm
- xiii) Area of a triangle is equal to that of a square whose side is 40m.Find the base of the triangle whose altitude is 80m.  
a)40m b)50m c)80m d)60m
- xiv) What happens to the area of a square when its side is halved? Its area will  
a)remain same b)become half c)become 1/4 d)become double.
- xv) If the ratio of areas of two circle is 256:225, the ratio of their circumference is  
a)225:256 b)256:225 c)15:16 d)16:15.

