



ST. LAWRENCE HIGH SCHOOL

TOPIC - Area & Perimeter

Subject : Mathematics WORKSHEET NO 2		Class-9	F. M. 15	
		Second term	Date: 15.05.2021	
Q.1)	Choose the correct option:			(1x15=15)
i)	The length of diagonal of square	is $12\sqrt{2}$ cm. The a	area of the square is	
	a) 288 sq.cm	b) 144 m²	c)72 m ²	d)18 m²
	If the area of square is A_1 sq. un the ratio of A_1 : A_2 is	its and the area of	f square drawn on the	e diagonal of that square is A ₂ sq. units,
	a) 1:2	b)2:1	c)1:4	d)4 : 1
iii) If	a rectangular place of which leng	th and breadth ar	e 6 mtr and 4 mtr is o	lesired to pave it with 2 cm square
tiles,	then the number of tiles require	d is		
a)120		c)600	d) 1	
iv)If	a square and a rectangle having t	the same perimeto	er and their areas are	S and R respectively then
a)S =	•	c)S < R	•	one of these
v)If th	he length of diagonal of a rectang dth is	gle is 10 cm, and a	rea is 62.5 sq. cm, the	en the sum of their length and
	a)12 cm	b)15cm	c)20cm	d)25 cm
vi) Th trian		e height of an equ	uilateral triangle are e	qual. The length of the side of the
	a) $\sqrt{3}$ units b)2 u	nits	c)4 units	d) 2 $\sqrt{3}$ units
vii)If	the length of the side of square is	s increased by 2 m	nt then its area increa	ses by 28 sq.m. The length of the
side o	of the square is			
a)2 m b) 4 n	n	c)6 m	d)8 m
viii)Tl	he area, perimeter and diagonal	of a square are x ,	y, z. The value of $\frac{\sqrt{2}}{vz}$	x –is
	a)1/2 b)1/4		c)1/8	d)1/16
	The area of a rhombus is equal to mbus be 16 cm, then the length		are of side $4\sqrt{6}$ cm. If	the length of one diagonal of the
	a)12 cm b) 5 c		c) 6 cm	d) 10 cm
x)The	e area of an equilateral triangle o	f perimeter 6 cm i	S	
a)3 so	q. cm b)2 $$	$\overline{3}$ sq. cm	c) $4\sqrt{3}$ sq.cm	d)9 $\sqrt{3}$ sq.cm
xi)T	The length of the diagonal of a so			g the plot at the rate of₹15 per mtr is
	a) ₹ 240	b)₹480	c)₹ 60	d)₹960
xii)	The ratio of the length and the k	readth of a rectai	ngular garden is 3:1.	The cost of fencing the garden at the
rate o	of ₹12 per meter is ₹1440. The	length of the gard	en is	
a)90r	•	c)60 m	d) 4	
xiii) T	he length of equal sides of an isc	sceles triangle is :	13 cm and the length	of the base is 24 cm. Then the area of
the tr	riangle will be			
	a)60 sq. cm	b) 30 sq.cm	c) 20 sq.cm	d)40 sq.cm
			•	n half of the perpendicular and length of
the h	ypotenuse is 9 meters greater th	an $\frac{4}{5}$ th of the perp	endicular. Then leng	th of the perpendicular is
a)10r	m b) 20m	c) 30m	d)40)m
xv)	The perimeter of an isosceles rig	ht angled triangle	is ($6\sqrt{2}+1$) cm. The	area of the triangle is
	a) 3 sq.cm	b)6 sq.cm	c)9 sq.cm	d)12 sq.cm

-ChaitaliRoy