

ST. LAWRENCE HIGH SCHOOL

TOPIC- Theorems on Area

Sı	Sub: Mathematics		Class-9	F.M15.		
W	ork Shee	et -29		Date: 16.5.2020		
1.	(i) E	then the area of t	e two medians of triangle ABC riangle BCE will be sq c	. If the area of triangle ACD is 10 sq cm m.		
	(quadrilateral then	_	teral. If the diagonal AC bisects the		
			the median AD of the triangle c) equal d) none of the	ABC. Then triangle APBtriangle APC. se.		
	t	n triangle ABC , D riangle ABC. 1/2 b) 1/3 c	·	AB and AC. Then triangle ADE =		
	(cm then the area	he mid points of AB and BC ar of triangle APQ is :) 20 sq cm c) 30 sq cm	e P and Q. If area of triangle ABC is 60 sq d) 15 sq cm.		
			wo medians of the triangle AB pendicular c) parallel d	C, then FEBC. d) none of these.		
	t	f P is any point or riangle CPD. greater b)less		lelogram ABCD then triangle APD		
	t	n trapezium ABCI the trapezium wil a)12 b)16		criangle ABC = 16 sq cm then the area of		
		AOD is tria	· · · · · · · · · · · · · · · · · · ·	C and BD intersects at O ,then triangle		
	F	then triangle AD	ogram. E is any point on side I DF triangle ABE. greater than c) equal to d	DC . If extended AE intersects BC at point)none of these.		

(xi)	In the quadrilatera	In the quadrilateral ABCD, AD=BC and <bad =<abc.="" abcd="" is<="" quadrilateral="" th="" the="" then=""></bad>							
	a)rectangle	b) rhombus	c)square	d) isosceles trapeziu	n.				
	q cm then BP:PC will b	•		If area of triangles PQ	T and STR are 16 sq				
(xiii) O is any point within the equilateral triangle ABC. From the point O perpendiculars OD,OE and OF are drawn on BC ,AC, and AB, Then height of the triangle = a)OD+OE b)OD+OF c)OE+OF d)OD+OE+OF.									
(xiv) of triangle B	In triangle ABC, D EF is of triang a)1/3 b)1/4	le ABC.	·	of BC, BD and AE respe	ctively. Then area				
(xv) If a parallelogram, a rectangle and a triangle are on the same base and between the same parallels and their areas are P,R and T then $a)P=R=T \qquad b)P=R=T/2 \qquad c)2T=P=R \qquad d)P=2R=T$									
				De	ebjani Das				