



## **TOPIC- Theorems on Area**

<b>Sub: Mathematics</b>		thematics	Class-9	F.M15.
Work Sheet -29		eet -29	Solution	Date: 16.5.2020
1.	Choose	e the correct optio		
	(i)		e two medians of triangle ABC. If t triangle BCE will be sq cm.	he area of triangle ACD is 10 sq cm
	(ii)	ABCD is a parallel quadrilateral the b) parallel	logram and ABCE is a quadrilatera n ACDE.	I. If the diagonal AC bisects the
	(iii)	P is any point on c) equal	the median AD of the triangle ABC	C. Then triangle APBtriangle APC.
	(iv)	In triangle ABC , I triangle ABC. c) 1/4	D and E are the mid points of AB a	nd AC. Then triangle ADE =
	(v)	•	the mid points of AB and BC are Page of triangle APQ is:	and Q. If area of triangle ABC is 60 sq
	(vi)	If BE and CF are t c) parallel	wo medians of the triangle ABC, tl	hen FEBC.
	(vii)	If P is any point o triangle CPD. c) equal	n the diagonal BD of the parallelo	gram ABCD then triangle APD
	(viii)	In trapezium ABC the trapezium wi c)24		ngle ABC = 16 sq cm then the area of
	(ix)	In trapezium ABC AOD is tria c) =	CD, AB II DC. If the diagonals AC and angle BOC.	d BD intersects at O ,then triangle
	(x)	•	DF triangle ABE.	If extended AE intersects BC at point

(xi)	In the quadrilateral ABCD, AD=BC and <bad =<abc.="" abcd="" is<="" quadrilateral="" th="" the="" then=""></bad>		
	d) isosceles trapezium.		
	T is any point on QR of the parallelogram PQRS. If area of tri cm then BP:PC will be : d)4:5	angles PQT and STR are 16 sq	
	O is any point within the equilateral triangle ABC. From the prawn on BC ,AC, and AB, Then height of the triangle = d)OD+OE+OF.	point O perpendiculars OD,OE	
(xiv) of triangle BEF	In triangle ABC, D, E and F are the mid points of BC, BD and F is of triangle ABC.  d)1/8	AE respectively. Then area	
(xv) same parallels	If a parallelogram, a rectangle and a triangle are on the sai s and their areas are P,R and T then c)2T=P=R	me base and between the	
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