



-ChaitaliRoy

## ST. LAWRENCE HIGH SCHOOL

## **TOPIC – Transversal & Midpoint Theorem**

Subject : Mathematics	Class-9 F.	M. 15	
WORKSHEET NO 1	Second term	Date: 14.05.2021	
Q.1) Choose the correct option	<u>n</u> :		(1x15=15)
i) QS and RT are two medians	of $\triangle$ PQR. If /PQR = 50°, t	hen the value of /PTS is	
a) 60°		40° d)30°	
ii) In Δ ABC, AB= BC = CA = 8 c	m. BD and CE are two me	dians. Then the value of /AED	<u>)</u> is
a) 40°	b)30°	c)50°	d)60°
iii) BE and CD are two medians of			DE will be
•	•	15 cm d)7 cm	
iv)In $\Delta$ PQR, S is the midpoint of P PR will be	Q. The line through S para	allel to QR meets PR at T. If PT	T = 3.5cm, then length of
a)7 cm b) 5 cm	c)4 cm	d)6 cm	
v)PQR is an equilateral triangle. Of PS will be	On PQ and PR two points S	and T are such that ST // QR	. If ST = 5cm, then length
a)3 cm	b)4 cm	c)6 cm	d)5 cm
vi) PQR is a rt. angled triangle, w		-	m. Then length of QS is
a) 6 cm	b)5 cm	c)3 cm	d) 7 cm
vii)The length and breadth of a re	ectangle ABCD are 24 cma	nd 10 cm. The midpoints of t	he sides AB and BC are E
and F. Then length of EF will be			
a)17 cm b) 13 cm	•	d)11 cm	
viii)In Δ ABC, X is the midpoint of		rallel to BC meets AC at Y. If A	AC = 10  cm, and $XY = 6 cm$ ,
then length of AY will be	<del></del>	5	
•	-	5 cm d)7 cm	
ix) In Δ PQR, D, E ,F are the mid 27 cm, then DE =			the perimeter of $\Delta$ PQR is
•	b) 7 cm	c) 4 cm	d) 3 cm
x)The length of a rectangle is 5 cr			the point of intersection
of the diagonals is 2 cm. Then the	~		
a)7 cm b)4 cm	c)3 cm	d)5 cm	
xi)In Δ PQR, S and T are the mi	-		
		c)6 units	
xii)In ΔABC, D and E are the mi	•		
a) 20	b) 16	c)18	d) 14
xiii)In $\triangle$ MNP, R and S are the mid a) $40^{\circ}$	b) 50°	c)80°	d)70°
xiv) In the $\triangle$ PQR, $\underline{/PQR} = 90^{\circ}$ , a		-	of QS is
a)4cm b) 6cm	c) 3 cm	d)5 cm	
xv)In the $\triangle$ ABC, E is the midpo	int of the median AD, the	extended BE intersects AC at	the point F. If AC= 10.5 cm
then the length of AF is	h12 av	-12 F	-1\2 F - · ·
a) 5 cm	b)2 cm	c)2.5 cm	d)3.5 cm