



Q12.	In the following figure, if $ST = SU$, then find the values of the unknown angles					
	x and y.					
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LONG ANSWER TYPE- 3 QUESTIONS. (4 Marks each)						
Q.13	Find the perimeter of the rectangle whose length is 60 cm and a diagonal are					
	61 cm.					
Q14	The length of the diagonals of a rhombus is 20 cm and 48 cm. Find the perimeter of the rhombus.					
Q15	A ladder of length 17 m reaches a window which is 8 m above the ground on					
	one side of a street and at the same point it reaches a window 15 m high in a					
	wall on opposite side. Find the width of the street.					
	$8 \text{ m} \begin{bmatrix} 17\text{m} & 17\text{m} \\ A \end{bmatrix} = \begin{bmatrix} C \\ 15\text{ m} \end{bmatrix}$					

ANSWERS							
Q1.	$x = 88^{\circ}, y = 47^{\circ}$	Q2.	80°	Q3.	30°		
Q4.	Yes	Q5.	No	Q6.	AD is the altitude. AE is the median.		
Q7.	5 cm and 31cm	Q8.	60°, 50°	Q9.	a= 65°, b= 115°, c= 25°		
Q10.	45 m	Q11.	20° <mark>,6</mark> 0° <mark>,10</mark> 0° i) Obtuse angled ii) Scalene	Q12.	y = 51°, x =129°		
Q13.	142 cm	Q14.	104 cm	Q15.	23 m		