



ST. LAWRENCE HIGH SCHOOL

TOPIC -Properties of Parallelogram

S	ubject : Mathemati	cs Cla	ss-9	F. M. 15		
V	VORKSHEET NO 1	5 First te	m	Date:	06.03.2021	
Q.1)	Choose the correct of	ption:				(1x15=15)
i)	PQRS is a parallelogran		•		•	then
	a) $x = 5$, $y = 1$				d) $x = 5$, $y = 2$	
-	PQRS is a rhombus wh	_		<u>\</u> = 35°, then <u>/</u>		
	a) 120°	•	110°		d)115°	
iii) Th	ne diagonal of a rectang	le makes an angle of 3	30° with	one of its side	e. Then the acute	e angle between the
	diagonals is	L\450		.) 600		1) 7 = 0
	a)50°	b)45°	_4 £ 4 _	c) 60°	C DD 0 0	d)75°
ıv)ın	a parallelogram ABCD , diagonals AC and BD i		_	_		cm and 8.2 cm. If the
a) 12	cm b) 1	5 cm c)	10 cm		d) 8 cm	
v)The	e length of the side of a other diagonal is	rhombus is 10 cm and	l if the le	ength of one o	liagonal is 6 cm,	then the length of the
	a)10 cm	b)14 cm	c)	16 cm	d)12 cn	1
vi) Tł	ne perimeter of a parall smaller side will be	•	•		•	
a) 5 d		cm c)8 cm		d)6 cm		
•	BCD is a square. BOC is	-	where t	•	outside the squa	re. Then the value of
	o will be	,			·	
a)60 ⁰	b) 4	5°	c)	30°	d)15°	
viii)Ir	n the rectangle PQRS, th	e diagonals PR and Q	S interse	ct at O. If <u>/PO</u>	<u>(S</u> = 50°, then the	e value of <u>/SOR</u> is
	a) 60°	b) 40°		c)50°		d) 80°
ix) In	a rhombus PQRS, the o	_				S
	a)64°	b) 40°	,	44 ⁰	d)36°	
	a parallelogram PQRS, t ⁹ , 80°	ne ratio of <u>/PQR</u> and <u>/</u> b)100°,80°	QRS is 1		value of <u>/QPS</u> an L00°	d <u>/PSR</u> are and d)40°, 80°
•	ın a parallelogram ABCI		tion of d			, ,
-	$\frac{1}{2} = 2/ABD$, then the value	•				
		b)60°			c) 120°	d)110°
xii)	QS is a diagonal of a pa	rallelogram PQRS. If P	Q > QR t	hen /QSR is	 than /PSQ	
	a)less	b) greater		c)more		d) none of these
xiii) A	ABCD is a rhombus. If <u>/</u> /	<u>BD</u> = 40°, then the va	lue of <u>/B</u>	<u>CD</u> is		
	a) 120°	b) 80°			c)60°	d)100°
xiv) If the measure of an a	ngle of a parallelogra	n is half	of its comple	mentary angle, t	hen the complementary
	angle is					
a)60 ^c			•	75°	d) 30°	
xv)	PQT is a equilateral tri	_	of a rhom	bus PQRS. If		
	a) 84°	b)60°			c)21°	d)42°