KENDRIYA VIDYALAYA SITAPUR (FIRST SHIFT) **PERIODIC TEST-1 (2023-24)**

SUBJECT: MATHEMATICS MAX. MARKS: 40 DURATION: 1½HRS CLASS: VIII

All questions are compulsory **General Instructions**:

Section A comprises of 10 MCQs of 1 mark each

Section B comprises of 5 questions of **2 marks** each and 2 questions of 3 **marks** each

Section C comprises of 2 questions of **5 marks** each

Section D comprises of 3 case based questions of **4 marks** each

Q. No.			SECTION-A		MARKS	
	Choose the correct of	option in each of th	ne following questio	ns (Q1 to Q10):_		
1	The reciprocal of 1	is			1	
	a) ₋₁	b)0	c) ₁	d)2		
2	The is dditive inverse a) 1		c) 0	d) $\frac{5}{7}$	1	
3	The product of two	rational numbers	is always a,		1	
	լ Աթի Whole number	. b) natural num	ber _{uation} c) integer	$\frac{2x}{3} = 1$) rational number		
4	VVIIALISTITE VAILLE O	X IIF THE TOHOWINE	з ецианоп:	3 - 12	1	
	2 7	b)12	c) 9	d) none of these		
5	27 If $6 = \mathbf{z} + 2$ then val	ue of z will be		·	1	
	a % 1	b)-4	c) 4	d)3		
6	The opposite angles	s of a parallelogra	m are		1	
	a) Supplementary	b) Equal	c) Complement	tary d) None of these		
7	The sum of all inter	ior angles of a qua	drilateral is		1	
			c) 3	d) ₅₄₀		
8	A polygon with min	imum number of	sides is		1	
	a) Pentagon	b) Square	c) Triangle	d) Angle		
9	How many diagona	ls do a convex qua	drilateral has?		1	
	d)foner	b)two	c)three		1	
10	If the diagonals of a quadrilateral bisect each other at right angles, it will be a					
	a) rhombus	b) trapezium	c) rectangle	d) _{kite}		
			SECTION-B			
11	Name the property	-	tion used in each of	the following	2	
	ı	$1 \times \frac{-4}{5} = \frac{-4}{5}$				
	(ii) $\frac{-19}{29} \times \frac{29}{-18}$	$\frac{1}{1} = 1$				
12	Find the measure o		gle of a regular poly	gon with 15 sides	2	
13					2	

Find: $\frac{3}{7} \times \left(\frac{-4}{5}\right) \times \left(\frac{-14}{5}\right) \times \left(\frac{15}{16}\right)$	

	If $\frac{5x}{3} - 4 = \frac{2x}{5}$ then find the value of $2x - 7$.	
1	3 5	2
5	Find the probability of getting a prime number when a die is rolled once	2
ó	Find: 3+ Values of x and y in the following DC	3
7	parallelogram A A B B	3
	SECTION-C	
3	Draw a pie chart showing the following information. The table shows the colors preferred by a group of people	5
	Colors Blue Green Red Yellow Total	
	Sumber of people 1 9 6 3 3 ———————————————————————————————	
)	Solve the following linear equation and check the result: $x+7$ $= 3$ $= 6$ $= 2$ $= 17$ $= 5x$	5
	SECTION-D	
		I
)	CASE BASED Data is represented graphically to give a clear idea of what it represents. A bar graph prepresents the informest incing bases Sufudy if her graph than the instaction believing:	1x4=4
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