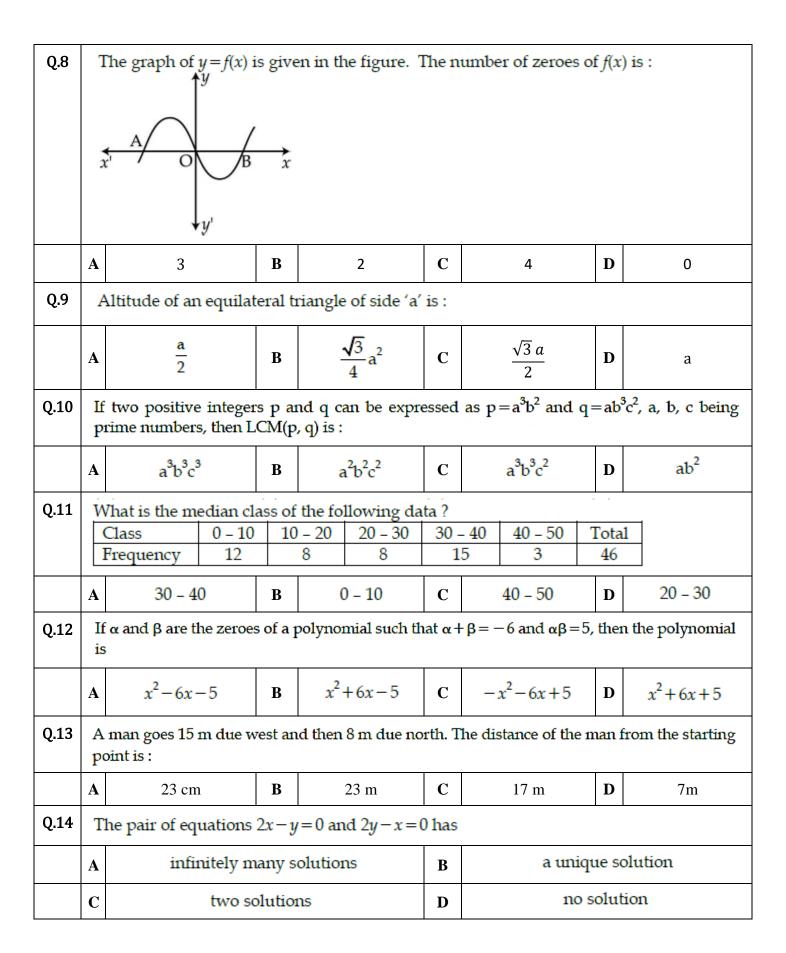


INDIAN SCHOOL AL WADI AL KABIR

Class X, Mathematics - *Midterm Revision Worksheet-MCQ*12-09-2020

MULTIPLE CHOICE QUESTIONS								
Q.1	V	Which of the following will have a non-terminating recurring decimal expansion :						
	A	7005 64	В	4112 30	C	8463 40	D	3985 625
Q.2	If	If one zero of the quadratic polynomial $2x^2 + kx - 15$ is 3, then the other zero is:						
	A	-15	В	<u>-15</u> 2	C	$\frac{-5}{2}$	D	k
Q.3	If $\Delta ABC \sim \Delta PQR$ and $\frac{BC}{QR} = \frac{1}{4}$, then $\frac{ar(\Delta PRQ)}{ar(\Delta BCA)}$ equals :							
	A	4	В	$\frac{1}{2}$	C	16	D	$\frac{1}{16}$
Q.4	If two positive integers p and q can be expressed as $p=a^3b^2$ and $q=ab^3c^2$, a, b, c being prime numbers, then HCF(p, q) is:							
	A	abc	В	ab ²	C	a³b³c²	D	$a^2b^2c^2$
Q.5	A data has 13 observations arranged in descending order. Which observation represents the median of data?							
	A	7 th	В	6th	C	13 th	D	8th
Q.6	If both the zeroes of a quadratic polynomial $ax^2 + bx + c$ are equal and opposite in sign, then b is :							
	A	0	В	1	C	-1	D	5
Q.7	If $\Delta ABC \sim \Delta DEF$, $BC = 4$ cm, $EF = 5$ cm and area of $\Delta ABC = 80$ cm ² , then area of ΔDEF is :							
	A	100 cm ²	В	125 cm ²	С	150 cm ²	D	200 cm ²



Q.15	T is		smallest tw	o-digit numk	er and the l	argest mult	iple of 6 wl	nich is less than 50	
	A	2	В	48	C	120	D	240	
Q.16	G	Given in the ta	ible below	are the m	arks obtair	ned by 50	students i	n a class test:	
			Marks	1-10	10 – 20	20 - 30	30 – 40	40 – 50	
			No. of Stud	ents: 4	7	19	12	8	
	From this data, the lower limit of median class is								
	A	10	В	20	C	25	D	30	
Q.17	The total number of factors of a prime number is								
	A	0	В	1	C	2	D	3	
Q.18	Tl	ne sum of expo	nents of pr	ime factors	in the prim	e-factorisat	ion of 196	is	
	A	3	В	4	C	5	D	2	
Q.19	The value of k for which the system of linear equations $x + 2y = 3$, $5x + ky + 7 = 0$ is inconsistent is								
	A	$-\frac{14}{3}$	В	$\frac{2}{5}$	С	5	D	10	
Q.20	Tl	he value of λ fo	or which (x	$(2+4x+\lambda)$	is a perfect	square, is			
	A	16	В	9	С	5	D	4	
Q.21	In Fig. 1, the graph of the polynomial p(x) is given. The number of zeroes of the polynomial is							es of	
	74 3 2 1 1 1 2 3 4 5 -2 -3 4 Fig. 1								
	A	1	В	2	C	3	D	0	

Q.22	If \triangle ABC \sim \triangle DEF such that AB = 1.2 cm and DE = 1.4 cm, the ratio of the areas of \triangle ABC and \triangle DEF is								
	A	49:36	В	6:7	C	7:6	D	36 : 49	
Q.23	If 'a'	If 'a' is a factor of 'b', then HCF (a, b) is:							
	A	'a' .	В	'Ь'	C	a×b	D	<u>a</u> b	
Q.24	If the ratio of the perimeters of two similar triangles is $4:25$, then the ratio of the areas of the similar triangles is:								
	A	16:625	В	2:5	C	5:2	D	625:16	
Q.25	The number to be added to the polynomial x^2-5x+4 , so that 3 is the zero of the polynomial is:								
	A	2	В	-2	C	0	D	3	
Q.26	The rational number between $\sqrt{2}$ and $\sqrt{3}$ is:								
	A	<u>6</u> 5	В	$\frac{3}{4}$	C	$\frac{3}{2}$	D	<u>9</u> 5	
Q.27	If x=	If $x = 3m - 1$ and $y = 4$ is a solution of the equation $x + y = 6$, then the value of 'm' is:							
	A	-1	В	0	C	1	D	2	
Q.28	Sun	Sum and product of the zeroes of polynomial x^2-3 are respectively:							
	A	-3, 0	В	0, -3	C	0,3	D	3,0	
Answers									
Answers	1	В	2	С	3.	С	4	В	
	5	A	6	A	7	В	8	A	
	9	С	10	С	11	D	12	D	
	13	С	14.	В	15.	D	16.	В	
	17	С	18	В	19	D	20	D	
	21	В	22	D	23	A	24	A	
	25	A	26	С	27	С	28	В	
