INDIAN SCHOOL AL WADI AL KABIR

Class VII, Mathematics

WORKSHEET- (MCQ)

Multiple Choice questions

Q.1.	If the sum of two consecutive numbers is 79 and one number is x, the equation formed is:							
	A	2x+1 = 79	B	x + (x+2) = 79	C	x + x = 79	D	x – (x+1) = 79
Q.2.	If $\frac{5x}{3} - 4 = \frac{2x}{5}$, then value of x is							
	A	$\frac{19}{60}$	B	$\frac{60}{19}$	C	0	D	$\frac{-60}{19}$
Q.3.	The prices of a scooter and cycle are in the ratio 5:2. If the scooter costs ₹ 4,200 more than a cycle, what is the price of the cycle?							
	A	₹ 2800	B	₹ 8200	C	₹ 7000	D	₹ 2080
Q.4.	Present ages of Anshul and Gopal are in the ratio 4:5. Two years back, their ages were in the ratio 3:4. Find their present ages.							
	A	Anshul 8 years, Gopal 10 years	**B**	Anshul 10 years, Gopal 12 years	**C**	Anshul 10 years, Gopal 8 years	**D**	Anshul 12 years, Gopal 10 years
Q.5.	The difference between two numbers is 60. The ratio of the numbers is 7:3. Find the numbers.							
	A	120,160	**B**	105,45	**C**	70,30	**D**	10,50
Q.6.	The root of the equation (2x – 1) + (x – 1) = x + 2 is							
	A	1	B	2	C	-1	D	-2
Q.7.	In a two-digit number, the unit's digit is x and the ten's digit is y. Then, the number is							
	A	10x – y.	B	10x + y	C	10y – x	D	10y + x
Q8.	The sum of two numbers is 78. Their difference is 18. Then the numbers are							
	A	60 and 78	B	25 and 43	C	30 and 48	D	33 and 51
Q9	If $\frac{1}{2}$ is subtracted from a number and the difference is multiplied by 4, the result is 5. What is the number?							
	A	$\frac{1}{4}$	B	$\frac{5}{4}$	C	$\frac{5}{2}$	D	$\frac{7}{4}$

Q10	The value of x for which the expressions 3x – 4 and 2x + 1 become equal is							
	A	-3	B	0	C	5	D	1
FILL IN THE BLANKS								
Q11	After 18 years, Swarn will be 4 times as old as he is now. His present age is _____.							
Q12	The sum of two consecutive multiples of 10 is 210. The smaller multiple is _____.							
Q13	The number of boys and girls in a class are in the ratio 5:4. If the number of boys is 9 more than the number of girls, then number of girls is _____.							
Q14	The numerator of a fraction is 6 less than the denominator. If 1 is added to both the numerator and the denominator, the fraction becomes $\frac{1}{2}$. The original fraction is _____.							
Q15	If $5(y-3)-4(y-2)=0,$ then the value of y is _____.							
	CASE STUDY: There is a narrow rectangular plot, reserved for a club, in Malgudi village. The length and breadth of the plot are in the ratio 11:4. At the rate ₹ 100 per metre it will cost the village panchayat ₹ 75000 to fence the plot.							
Q 16	What is the perimeter of the rectangular plot?							
	A	750 m	B	7500 m	C	75 m	D	75000 m
Q 17	What is the length of the rectangular plot?							
	A	275 m	B	280 m	C	725 m	D	572 m
Q 18	What is the breadth of the rectangular plot?							
	A	200 m	B	10 m	C	100 m	D	20 m
Q 19	What is the area of the rectangular plot?							
	A	27000 m^2	B	28000 m^2	C	28500 m^2	D	27500 m^2
Q 20	Find the cost of grassing the rectangular plot at the rate of ₹ 20 per m^2.							
	A	₹ 2,75,020	B	₹ 55,000	C	₹ 5,50,000	D	₹ 13750

ANSWERS

1.	A	2.	B	3.	A	4.	A
5.	B	6.	B	7.	D	8.	C
9.	D	10.	C	11.	6 years	12.	100
13.	36	14.	$\frac{5}{11}$	15.	7	16.	A
17.	A	18.	C	19.	D	20.	C