INDIAN SCHOOL AL WADI AL KABIR

Class VII, Mathematics ***Worksheet NO: 2 - SIMPLE EQUATIONS***

23-08-2020

OBJECTIVE TYPE (1 Mark)

Q.1.	Five more than twice number equals 12 can be written as equation							
	A	2+5x = 12	B	2x +5 =12	C	5x -12= 2	D	5x-2=12
Q.2.	If $\frac{p}{7}$ = -5 ,then p is equal to							
	A	-12	B	12	C	35	D	-35
Q.3.	If $\frac{1}{a} = \frac{1}{4}$ then the value of a is							
	A	1	B	4	***C***	$\frac{1}{4}$	D	0
Q.4.	The value of the variable which satisfies the equation is called its							
	A	constant	B	equation	C	solution	D	Natural number
Q.5.	The value of the expression 2m +5 when m= (-3) is							
	A	1	B	-1	C	2	D	28
Q.6.	Which is the solution of the equation 7x + 2 = -33							
	A	5	B	-5	C	7	D	-7
Q.7.	The value of y if 5y – 2 = 16 + 4y							
	A	14	B	16	C	18	D	12
Q8.	The sum of three times a number and 13 is 34 ,then the number is							
	A	7	B	6	C	13	D	11
Q9	(-2) can be the solution of the equation							
	A	2y -3 = 7	B	5x +7= 3	C	m-7 = 9	D	3p +5 =-1
Q10	If 4t +5 = 65 , then the value of t is							
	A	15	B	17	C	-15	D	18

SECTION B Fill in the blanks (1) marks)	
Q11.	3x +11 = 32 can be written as statement as ----------
Q12.	The solution of the equation 7p -2 = 19 is ----------
Q13.	An equation is a ---------- on a variable.
Q14.	One fifth of a number decreased by 2 gives 6 can be written as equation as ----------
Q15	If 4m-3 = 13 ,then m is equal to ----------
SECTION C(2 mark)	
Q16	Solve the equation : (a) 20-x =16 (b) 2y +8 = 5y -12
Q17	Solve : 4 – 3(x +6) = 7
Q18	If the product of a number and 8 is 72.Find the number.
Q19	The sum of two times a number and 7 is 35.Find the number.
Q20	Solve : (a) 3(p +2) = 11 (b) 9m -16 = 20
SECTION D (3MARKS)	
Q21	A number is multiplied by 3 and 7 is taken away from the product to get 11.What is the number?
Q22	Mark's age is 2 more than six times Susan's age, if Mark is 14 years old, find Susan's age.
Q23	Divide 20 into two parts such that one part is 8 more than the other. Find the two parts?
Q24	In an isosceles triangle, the base angles are equal and the vertex angle is thrice of the base angle. find the vertex angle [Hint: Sum of the angles in a triangle is 180^0]
Q25.	14 is added to an integer and then multiplied by 9 gives 27.Find the integer.

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ANSWERS

1	A	2	D	3	B	4	C	5	B
6	B	7	C	8	A	9	D	10	A
11	11 more Than thrice Of x gives 32	12	P= 3	13	Condition	14	$\frac{x}{5} - 2 = 6$	15	M= 4
16	a) X=4 b) Y=$\frac{20}{3}$	17	X=-7	18	9	19	14	20	a) P=$\frac{5}{3}$ b) M=4
21	6	22	2 years	23	6 and 14	24	108^0	25	(-11)