INDIAN SCHOOL AL WADI AL KABIR
Class VII, Mathematics
WORKSHEET (2025-26)
SIMPLE EQUATIONS

Multiple Choice Questions

Q.1.	If 2x +4 = 12, then x is equal to							
	A	8	B	4	C	10	D	2
Q.2.	The equation having x=5 as a solution is							
	A	2x−1 = 7	B	3x +1=16	C	2x +1 = 9	D	3x – 1 =16
Q.3.	4 more than twice the number is 18. Express the statement in mathematical form							
	A	2x + 4 = 18	B	4x +2 =18	C	$2x-4=18$	D	$4x-2=18$
Q.4.	A number added to itself gives 36. The number is							
	A	24	B	36	C	20	D	18
Q.5.	The statement forms of the equation $\frac{m}{3}+2=5$ is:							
	A	One third of number gives 5	B	3more than half of a number is 5	C	2 more than one third of a number is 5	D	2 added to half of a number is 5
Q.6.	The solution of the equation 4x +5 =29 is:							
	A	x=6	B	x=(−6)	C	x=0	D	x= (−3)
Q.7.	Write the statement "If you take away 6 from 6 time a number, you get 60"in the form of equation:							
	A	6x+6=60	B	6x−5=60	C	6x−6=60	D	6x−60=6
Q.8.	One - fifth of a number minus 4 gives 3. The number is							
	A	21	B	4	C	15	D	35
Q.9	By solving the equation 2a − 2 = 20, the value of 'a' will be							
	A	12	B	14	C	11	D	13
Q.10	Saurav adds 4 to eight times a number, he gets 60. The number is							
	A	7	B	12	C	8	D	14

	LONG ANSWER QUESTIONS(Q11-19):
Q.11	Check whether n= (-2) is the solution of the equation 7n +5 =19.
Q.12	26 subtracted from three times a number gives 19. Find the number.
Q.13	Solve: (1) 2p +7=35 (2) $\frac{2y}{3} - 5 = 3$
Q.14	Mahima's father is 54 years old. He is 6 years older than three times Mahima's age. Find Mahima's age.
Q.15	Tushar subtracted thrice the number of story books he has from 100.He find that the number is 34. Find the number of story books he has.
Q.16	In an isosceles triangle, the vertex angle is twice the either of the base angles. find the angles of the triangle. (The sum of angles in a triangle is 180^0) (CBQ)
Q.17	Frame the equations: (1) The sum of twice of x and 4 gives 24. (2) 4 taken away from one-fourth of p gives 10. (3) Twice of m divided by 7 gives 63 (4) 7 added to 4times of a number gives 37
Q.18	Set up the equation and solve. (1) Sam says he has 7 chocolates more than 5 times the chocolates Anu has. Sam has 37 chocolates(take x to be the number of chocolates Anu has) (2) The highest mark obtained by a student is 5 less than three times the lowest mark. The highest score is 85. (take lowest score as m) (3) When you multiply a number by 6 and subtract 5 from the product , you get 7.
Q.19	Solve: (1) 9p-2 =7 (2) 5(t +4) = 25 (3) $\frac{x}{3} = 4$ (4) $5k = 20$
Q.20	**CASE STUDY:** Saya, Saniya and Karan are friends. They bought candies and them with each other while playing. Saya has some candies. Saniya has 10 more candies than Saya has. Karan has 3 less than two times the candies which Saya has. Based on this information answer the following questions: a) If Saya has 'x' candies, write the expression for the number of candies Saniya has. b) Write the expression for the number of candies Karan has. c) If Karan has 19 candies, how many candies Saya has?