WORK SHEET
SUBJECT- MATHS
Chapter-4: Linear Equations

CLASS- VII

Q.1.Fill in the blanks:

(i) Any value of the variable which makes both sides of an equation equal, is known as a _____ of the equation.

(ii) If x-5=10, then x=_____.

(iii) The solution of the equation m/11=-8 is _____.

(iv) If x is the solution of the equation 4x=12, then the value of 3x-9=_____.

(v) If x/6-2=3, then x=_____.

Q.2. Answer True(T) or False(F)

(i) p=3 is a solution of the equation 4p-3=13.

(ii) The equation representing the statement "15 less than three times a number gives 3" is 15-3x=3.

(iii) If x-1=9 & 3y=9, then $\frac{y}{x} = 3$.

(iv) If 4x-9=11+2x, then x=1.

(v) x-6=-6 has a solution in natural numbers.

Multiple Choice Questions (MCQs)

Q3. If 9x+4=31, then equals

a) $\frac{35}{7}$ b) $\frac{124}{9}$ c) 3   d) -3

Q4. The value of p for which the expressions p-15=13-6p is

a) $\frac{2}{5}$ b) 4   c) $-\frac{2}{7}$ d) -4

Q5. If $\frac{x}{-2} = 1$, then find the sum of the values of 3x+4 & x+5

a) 0   b) 12   c) 17   d) 1

Q6. If 6.2a = 0.0124, then a equals

a) 0.2   b) 20   c) 0.002   d) 0.02

Q7. The equation having the root -5 is

a) 5t-15=10   b) $\frac{a}{5} + 3 = 2$ c) 3(n+2) = 21   d) 7x-18=x+12

Solve the following:

Q8. If the sum of two consecutive numbers is -27. Find the numbers.

Q9 Solve the equation 2(x+3)-3x=8-2(2x-5).

High Order Thinking Skills (HOTS)

Q10. The amount of petrol in a tank is twice of that in another tank. If we draw out 25 litres from first & add it the other, the amount of petrol in both the tanks will be the same. Find the amount of petrol in each tank now.

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