## Linear Equations Worksheet – 3

1. After 15 years, Surya will be 4 times as old as he is now. His present age is 5 years. Mark True / False.					
a)	True	b)	False		
2. The sum of two consecutive multiples of 10 is 310. The smaller multiple is 100. Mark True/ False.					
a)	True	b)	False		
3. 4 years ago, the age of girl was 'x' years. His age 3 years ago was $(x - 2)$ years. Mark True / False.					
a)	True	b)	False		
4. Deepa's present age is 'x' years. Tina's present age is 3 times the present age of Deepa. After 6 years, Tina's age will be 15x year. Mark True / False.					
a)	True	b)	False		
5. In a 2-digit number, the unit's place digit is 'x'. If the sum of digits be 11, then the number is					
(10x - 11). Mark True / False.					
a)	True	b)	False		
6. Sum of the age of Tanu and her mother is 70. If Tanu's present age is 'p' years. Then her mother's age before 7 years is $(63 - p)$ . Mark True / False.					
a)	True	b)	False		
7. The number of boys and girls in a class are in the ratio 3 : 2. If the number of boys is 10 more than the girls, then number of boys is 30. Mark True/ False.					
a)	True	b)	False		
8. S and R are together 60 years old. Five years ago, S was thrice as old as R. So, the age of S and R five years back would be $(p - 5)$ years and $(55 - p)$ years. Mark True / False.					
a)	True	b)	False		
9. In equation $4x - 4 = 16$ , transposing -4 to RHS, we get $4x = 10$ . Mark True / False.					
a)	True	b)	False		
10. If $\frac{17}{9} - 5x = 9$ , then $-5x = 9 + \frac{17}{9}$ . Mark True / False.					
a)	True	b)	False		
11. If $\frac{y}{3} + 1 = \frac{3}{8}$ , then $\frac{y}{3} = \frac{1}{8}$ . Mark True / False.					
a)	True	b)	False		
12. If 4x = 16, then 16x = 64. Mark True / False.					
a)	True	b)	False		

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13. If $\frac{x}{15} = 9$ , then $x = \frac{9}{15}$ . Mark True / False.					
a)	True	b)	False		
14. In equation $3x = 8 - x$ , transposing -x to LHS, we get $x = 2$ . Mark True / False.					
a)	True	b)	False		
15. If P is an even number, then the next even number is 2(P + 1). Mark True / False.					
a)	True	b)	False		
16. If the sum of two consecutive numbers is 45 and one of them is x, then the other number is					
(45 – x). Mark True / False.					
a)	True	b)	False		
17. Two numbers differ by 20. When each number is increased by 4, the bigger become thrice the lesser number. If one number is $x$ , then the other number is $(20 - x)$ . Mark True / False.					
a)	True	b)	False		
18. When a number is divided by 15, the result is 3. The number is 25. Mark True / False.					
a)	True	b)	False		
19. When 15 is subtracted from the product of Y and 5, then result is 15. The value of Y is 1. Mark True / False.					
a)	True	b)	False		
20. Any value of the variable, which makes both sides of an equation equal, is known as a solution of the equation. Mark True / False.					
a)	True	b)	False		