## 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 $15 x$ 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 ( $63-\mathrm{p}$ ). 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 $4 x-4=16$, transposing -4 to RHS, we get $4 x=10$. Mark True / False.
a) True
b) False
10. If $\frac{17}{9}-5 x=9$, then $-5 x=9+\frac{17}{9}$. Mark True / False.
a) True
11. If $\frac{y}{3}+1=\frac{3}{8}$, then $\frac{y}{3}=\frac{1}{8}$. Mark True / False.
a) True
12. If $4 x=16$, then $16 x=64$. 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 $3 x=8-x$, 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

