

Algebra: Worksheet -5

1. The word '_____' means something that can vary, i.e. change.
2. The _____ of the variable in an equation which satisfies the equation is called a solution to the equation.
3. The value of the _____ in an equation which satisfies the equation is called a solution to the equation.
4. An equation is expressed by saying that an expression with a variable is equal to a _____.
5. The L.H.S. of an equation is equal to its _____ only for a definite value of the variable in the equation.
6. The value of the variable in an equation which satisfies the equation is called a _____ to the equation.
7. An equation has _____ sides, L.H.S. and R.H.S., between them is the equal (=) sign.
8. The LHS of an equation is equal to its R.H.S. only for a _____ of the variable in the equation.
9. The root of the equation $x + 4 = 7$ is _ _ _ _ _



10. The root of the equation $3x - 2 = 13$ is _____
11. The truth element of the equation $x - 2 = 2x - 8$ is _____
12. $x + 5 = 8$ is an example of _____
13. A number which when the variable in an open sentence is replaced by a number it is changed to _____
14. Two-digit number that has x in the unit's place and y in the tens place is _____
15. If a, b are two numbers, the property if $a = b$, then $b = a$ is called _____
16. If $x + 3 = 3$, then $x =$ _____
17. If $\frac{x-2}{5} = 3$, then $x =$ _____
18. A number is multiplied by 3. 6 is added to this result. Then we get 21, Express this as an equation as _____
19. The true which changes $m(m + 1) = 30$ into a true statement is _____
20. The root of $2y + 3 = 13$ is _____

