

## CBSE Worksheet-43 CLASS - VI Mathematics (Algebra)

## Choose correct option in questions 1 to 5.

- 1. The side of an equilateral triangle is shown by l. Express the perimeter of the equilateral triangle using l.
  - a. 3*l*

b. 4*l* 

c. 5*l* 

- d. 6*l*
- 2. Give expression for 25 added to *r*.
  - a. r 25

b. r + 25

c.  $r \times 25$ 

- d.  $r \div 25$
- 3. Which out of the following are expressions with numbers only?
  - a. 3*x*

- b.  $(7 \times 20) 8z$
- c.  $(7 \times 20) (5 \times 10) 45$
- d. 5 5n
- 4. Take Meena's present age to be y years, what will be her age 5 years from now?
  - a. 5y

b. y-5

c. y/5

- d. y + 5
- 5. State which of the following are equations (with a variable).
  - a. 17 = x + 7

- b. (t-7) > 5
- c.  $(7 \times 3) 19 = 8$
- d. 2m < 30

## Fill in the blanks:

- 6. The word '\_\_\_\_\_' means something that can vary, i.e. change.
- 7. The \_\_\_\_\_ of the variable in an equation which satisfies the equation is called a solution to the equation.
- 8. An \_\_\_\_\_ is a condition on a variable.
- 9. The \_\_\_\_\_ of an equation is equal to its RHS only for a definite value of the variable in the equation.
- 10. Pick out the solution from the values given in the bracket next to each equation.
  - a. p-5=5 (0, 10, 5 5) b.
    - b. x + 4 = 2(-2, 0, 2, 4)
- 11. Complete the entries in the third column of the table.

S. No.	Equation	Value of variable	Equation satisfied (Yes/No)
a.	10y = 80	<i>y</i> = 10	
b.	10y = 80	<i>y</i> = 8	

12. Complete the entries in the third column of the table.

S. No.	Equation	Value of variable	Solution (Yes/No)
a.	3n = 21	n = 7	
b.	$\frac{t}{5} = 4$	t = 25	



## Answer key:

- 1. a
- 2. b
- 3. c
- 4. d
- 5. a
- 6. variable
- 7. value
- 8. equation
- 9. LHS
- 10. a. 10
  - b. -2
- 11. a. No
  - b. Yes
- 12. a. Yes
  - b. No