

## CBSE Worksheet-45 CLASS - VI Mathematics (Algebra)

## Choose correct option in questions 1 to 5.

- 1. The side of a regular heptagon is denoted by l. Express the perimeter of the heptagon using l.
  - a. 7*l*

b. 6*l* 

c. 5*l* 

- d. 4*l*
- 2. Give expression for *p* multiplied by 16.
  - a. p + 16

b.  $p \times 16$ 

c. *p* – 16

- d.  $p \div 16$
- 3. Which out of the following are expressions with numbers only?
  - a. y + 3

- b.  $(7 \times 20) 8z$
- c.  $5(21-7)+7\times 2$
- d. 5 5n
- 4. Take Meena's present age to be *y* years, what was her age 3 years back?
  - a. 3y

b. y + 3

c. y/3

- d. y-3
- 5. State which of the following are equations (with a variable).
  - a. 2n + 1 = 11
- b. 2x 3 > 5

c. t + 4 < 5

d. m - 3 > 7

## Fill in the blanks:

- 6. The can take different values.
- 7. The value of the variable in an equation which satisfies the equation is called a \_\_\_\_\_ to the equation.
- 8. An equation has \_\_\_\_\_ sides, LHS and RHS, between them is the equal (=) sign.
- 9. The LHS of an equation is equal to its RHS only for a \_\_\_\_\_ 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.  $\frac{q}{2} = 7 (7, 2, 10, 14)$
- 11. Complete the entries in the third column of the table.

S. No.	Equation	Value of variable	Equation satisfied (Yes/No)
a.	<i>b</i> + 5 = 9	b = 5	
b.	<i>b</i> + 5 = 9	b=4	

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

S. No.	Equation	Value of variable	Solution (Yes/No)
a.	<i>21</i> + 3 = 7	<i>l</i> = 2	
b.	x - 4 = 11	<i>x</i> = 16	



## Answer key:

- 1. a
- 2. b
- 3. c
- 4. d
- 5. a
- 6. variable
- 7. solution
- 8. two
- 9. definite value
- 10. a.
  - b. 14

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- 11. a. No
  - b. Yes
- 12. a. Yes
  - b. No