

CBSE Worksheet-47
CLASS – VI Mathematics (Algebra)

Choose correct option in questions 1 to 5.

1. If there are 40 mangoes in a box, how will you write the total number of mangoes in terms of the number of boxes? (Use x for the number of boxes.)
 - a. $40x$
 - b. $40 + x$
 - c. $40 - x$
 - d. $40/x$
2. The teacher distributes 5 toffees per student. Can you tell how many toffees are needed, given the number of students? (Use y for the number of students.)
 - a. $y + 5$
 - b. $y \times 5$
 - c. $y - 5$
 - d. $y \div 5$
3. Identify the operations (addition, subtraction, division, multiplication) in forming the expression. $y + 17$
 - a. division
 - b. multiplication
 - c. addition
 - d. subtraction
4. Identify the operations (addition, subtraction, division, multiplication) in forming the expression. $\frac{y}{15}$
 - a. subtraction
 - b. multiplication
 - c. addition
 - d. division
5. Give expression for '5 times y from which 3 is subtracted'.
 - a. $5y - 3$
 - b. $5y + 3$
 - c. $5y/3$
 - d. $5y - 5$

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. A rectangular box has height h cm. Its length is 5 times the height and breadth is 10 cm less than the length. Express the length and the breadth of the box in terms of the height.
11. Give expressions for the following cases.
 - a. 7 subtracted from $-m$
 - b. $-p$ multiplied by 5
12. Form expressions using y , 2 and 7. Every expression must have y in it. Use only two number operations. These should be different.

Answer key:

1. a
2. b
3. c
4. d
5. a
6. variable
7. solution
8. two
9. definite value
10. Length = $5h$
Breadth = $5h - 10$
11. a. $-m - 7$
b. $-5p$
12. Answer may vary