

# **Mathematics – Class 6**

# Algebra

1. The value of the expression  $\frac{n^2}{2} + \frac{n}{2}$  when  $n = 12$  is  
 A) 76      B) 74      C) 78      D) 72  
 ANS : C

2. If  $\frac{7x}{3} - \frac{7}{6}$  is a polynomial, then the zero of the polynomial is  
 A)  $\frac{1}{2}$       B)  $-\frac{1}{2}$       C) 0      D) -2  
 ANS : A

3. If the zero of the polynomial in 'x' is  $-\frac{5}{4}$ , then the polynomial is  
 A)  $4x - 5$       B)  $5x - 4$       C)  $5x + 4$       D)  $4x + 5$   
 ANS : C

4. If  $A = -8x^2 - 6x + 10$ , then its value when 'x' =  $\frac{1}{2}$  is  
 A) 6      B) 4      C) 5      D) 7  
 ANS : C

5. The third degree polynomial among the following is  
 A)  $2x^3 - 1 + 3x^2 - 1 + 5$       B)  $3x^4 - 1 + 2x^3 - 1 + 6x^2 - 1 + 8$   
 C)  $3x^{-2} - 1 + 4x^{-2} + 5$       D)  $2x^5 - 3 + 3x^4 - 3 + 7$   
 ANS : B

6. Among the following the expression which is not a monomial is  
 A)  $\frac{4a^3b^2c^5}{23}$       B)  $-147x^3y^2$       C)  $\frac{2}{7}x^{-2}y^5z$       D)  $x^3y^5z^{12}$   
 ANS : C

7. If,  $x = \frac{a}{2}$  then the value of  $4x^2 + 8x + 18$  is  
 A)  $a^2 + 2a + 8$       B)  $a^2 + 3a + 18$       C)  $a^2 + 4a + 18$       D)  $a^2 + 5a + 18$   
 ANS : C

8. The value of the expression  $\frac{-26}{3} - \frac{13x}{27}$  when  $x = \frac{9}{13}$  is  
 A) -8      B) -10      C) -9      D) -11  
 ANS : B

9. Degree of the polynomial  $p + qx^m + rx^{m+2} + 5x^{m+3} + x^{m+4}$  is  
 A)  $m$       B)  $m+2$       C)  $m+3$       D)  $m+4$

ANS : C

10. If  $\frac{n(n+1)(2n+1)}{6}$  represents sum of the squares of first 'n' natural numbers, then its value when  $n = 10$  is  
 A) 365      B) 375      C) 395      D) 385

ANS : D

11. Degree of the polynomial  $\frac{1}{2}x^5 + 3x^4 + 2x^3 + 3x^2 + 6$  is  
 A) 4      B) 3      C) 5      D) 2

ANS : C

12. Degree of the monomial  $\frac{3}{5}x^2y^6z^7$  is  
 A) 15      B) 9      C) 8      D) 13

ANS : A

13. In a polynomial  $3x + 5$  where  $x = a + 2$ , then its value when  $a = 8$  is  
 A) 25      B) 45      C) 35      D) 40

ANS : C

14. The sum of  $\frac{3}{4}x^3, \frac{5}{6}x^3, -\frac{2}{3}x^3$  and  $\frac{7}{2}x^3$  is  
 A)  $\frac{12}{53}x^3$       B)  $-\frac{53}{12}x^3$       C)  $\frac{53}{12}x^3$       D)  $-\frac{12}{53}x^3$

ANS : C

15. The simplified form of  $3x^3 - 2x^2 - 8x - 6x^2 + 7x^3 + 9x + 8x^3 - 9x^2 + 6x$  is  
 A)  $-18x^3 - 17x^2 + 7x$       B)  $18x^3 - 17x^2 - 7x$   
 C)  $18x^3 + 17x^2 - 7x$       D)  $18x^3 - 17x^2 + 7x$

ANS : B

16. The ascending order of the polynomials  $-3x^3 + 7x^2 - 9x^4 + 6x - 8$  is  
 A)  $-8 + 6x + 7x^2 - 3x^3 + 9x^4$       B)  $-8 - 6x - 7x^2 - 3x^3 - 9x^4$   
 C)  $-8 + 6x + 7x^2 - 3x^3 - 9x^4$       D)  $8 + 6x + 7x^2 + 3x^3 + 9x^4$

ANS : A

17. If  $A = -7x - 3x - 5x$  and  $B = 9x + 3x + 2x$ , then  $A + B$  is  
 A)  $2x$       B)  $-2x$       C)  $-x$       D)  $-3x$

ANS : C

18. If,  $\frac{1}{2}x - \frac{1}{3}x = A$  and  $\frac{1}{3}x - \frac{1}{4}x = B$  then  $A - B$  is
- A)  $\frac{1}{12}x$       B)  $-\frac{1}{12}x$       C)  $-2x$       D) 0  
 ANS : A
19. The equivalent expression of  $2x^3 - 3x^2 - 8x - 3$  is
- A)  $3x^3 - 5x^3 + 7x^2 - 5x^2 - 8x + 10x - 4 + 1$   
 B)  $3x^3 - x^3 - 5x^2 + 2x^2 - 9x + x - 7 + 4$   
 C)  $4x^3 - 6x^2 - 3x^3 + 3x^2 + x^2 - 9x + 3x + 6 - 3$   
 D)  $4x^3 - 2x^3 + 3x^2 - 5x^2 - 8x + 6x + 4 - 1$   
 ANS : A
20. The descending order of  $4x^2 - 9x^3 + 3x^2 - 9x^4 + 3x^3 - 9x^2 + 6x - 3x + 5 - 3$  is
- A)  $-9x^4 + 6x^3 - 2x^2 + 3x + 2$       B)  $-9x^4 - 6x^3 + 2x^2 - 3x + 2$   
 C)  $-9x^4 - 6x^3 - 2x^2 + 3x + 2$       D)  $-9x^4 + 6x^3 - 2x^2 + 3x - 2$   
 ANS : C
21. If  $-\frac{7}{5}x^3 + \frac{3}{4}x^3 + \frac{7}{2}x^3 + \frac{9}{3}x^3$  is added to , then the  $\frac{9x^3}{60}$  result is
- A)  $-6x^3$       B)  $6x^3$       C)  $60x^3$       D)  $16x^3$   
 ANS : B
22. If  $2x - 3x + 5x = P$ ,  $Q = -8x + 3x + 9x$  and  $R = -8x - 6x - 7x$ , then  $(P + Q) - R$  is
- A)  $27x$       B)  $28x$       C)  $29x$       D)  $26x$   
 ANS : C
23. If  $A = -3x^3 - 2x^3 + 4x^2 - 2x^2$ ,  $B = -3x^2 + 5x^2 - 8x + 3x$  and  $C = 2x - 9x - 7 + 8$ , then  $A + B + C$  in simplified form is
- A)  $-5x^3 + 4x^2 - 12x + 1$       B)  $5x^3 - 3x^2 - 12x + 1$   
 C)  $-5x^3 - 4x^2 - 12x - 1$       D)  $5x^3 + 3x^2 + 12x + 1$   
 ANS : A
24. If  $4x^3y^2 + 3x^2y^3 - 8x^2y^5$  is added  $-9x^2y^3 + 6x^2y^5 - 9x^3y^4$ , then the result is
- A)  $4x^3y^2 + 5x^2y^3 - 2x^2y^5 - 9x^3y^4$       B)  $4x^3y^2 - 6x^2y^3 - 2x^2y^5 - 9x^3y^4$   
 C)  $4x^3y^2 - 6x^2y^3 + 2x^2y^5 - 9x^3y^4$       D)  $-4x^2y^2 - 6x^2y^3 - 2y^2y^5 - 9x^3y^4$   
 ANS : B
25. If  $0.5x^3 + 1.85x^3 + 2.96x^3 - 4.71x^3$  is added to  $(1.25x^4 - 2.5x^5 + 3.6x^4 - 4.71xD)$ , then the result is
- A)  $0.6x^3 + 2.36x^4$       B)  $-0.6x^3 - 2.36x^4$   
 C)  $0.6x^3 - 2.36x^4$       D)  $-0.6x^3 + 2.36x^4$   
 ANS : C

26. If  $B = -9x^2 + 3x - 7$ , then the additive inverse of B is  
 A)  $9x^2 - 3x - 7$       B)  $9x^2 - 3x + 7$       C)  $-9x^2 - 3x - 7$       D)  $-9x^2 + 3x + 7$

ANS : B

27. If  $A = \frac{-3x^2}{4} + \frac{2}{3}x + 7$  and  $B = \frac{1}{4}x^2 - \frac{1}{3}x + 8$ , then  $A - B$  is  
 A)  $x^2 - x + 1$       B)  $-x^2 - x - 1$       C)  $-x^2 + x - 1$       D)  $x^2 + x + 1$

ANS : C

28. If  $P = 2x^3 - 3x^2 - 5x + 6$  and  $Q = \frac{1}{3}x^3 - \frac{3}{4}x^2 - \frac{5}{2}x + \frac{7}{3}$ , then  $Q - P$  is  
 A)  $\frac{5x^3}{3} + \frac{9x^2}{4} + \frac{5x}{2} - \frac{11}{3}$       B)  $\frac{-5x^3}{3} - \frac{9x^2}{4} + \frac{5x}{2} - \frac{11}{3}$   
 C)  $\frac{-5x^3}{3} - \frac{9x^2}{4} - \frac{5x}{2} - \frac{11}{3}$       D)  $\frac{5x^3}{3} + \frac{9x^2}{4} + \frac{5x}{2} - \frac{11}{3}$

ANS : B

29. If  $A = -\frac{3}{2}x^3 - \frac{9}{7}x^2 + \frac{6x}{7} + 2$  and  $A + B = 0$ , then polynomial B is  
 A)  $\frac{-3x^3}{2} - \frac{9}{2}x^2 + \frac{6x}{7} + 2$       B)  $\frac{3x^3}{2} + \frac{9}{2}x^2 + \frac{6x}{7} + 2$   
 C)  $\frac{-3x^3}{2} - \frac{9}{2}x^2 - 6x - 2$       D)  $\frac{3x^3}{2} + \frac{9}{7}x^2 - \frac{6x}{7} - 2$

ANS : D

30. If  $A = 2x^3 - 9x^2 - 6x + 7$  and  $A + B = 5x^3 - 6x^2 - 8x + 9$ , then the polynomial  
 I)  $(A + B) - A$  is      A)  $3x^3 - 3x^2 - 2x + 2$       B)  $3x^3 + 3x^2 - 2x + 2$   
 C)  $3x^3 + 3x^2 + 2x + 2$       D)  $-3x^3 - 3x^2 - 2x + 2$

ANS : B

31. If  $A = 4x^3 - 9x^2 - 9x - 8$  and  $A - B = -2x^3 - 8x^2 - 6x - 2$ , then the polynomial  
 $B = A - (A - B)$  is  
 A)  $6x^3 - x^2 - 3x - 6$       B)  $6x^3 + x^2 + 3x + 6$   
 C)  $6x^3 + x^2 + 3x - 6$       D)  $-6x^3 - x^2 - 3x - 6$

ANS: A

32. Given  $A = 2x^3 - 3x^2 + 6x + 7$  and  $B = 4x^3 - 9x^2 - 3x + 7$ , If C, D are additive inverses of A and B,  
 then  $D - C$  is  
 A)  $-2x^3 + 6x^2 + 9x$       B)  $-2x^3 + 5x^2 + 9x$   
 C)  $-2x^3 - 6x^2 + 9x$       D)  $-2x^3 - 6x^2 - 9x$

ANS : A

33. If  $A - B = 2x^3 - 3x^2 + 8x - 7$  and  $B = 5x^3 - 9x^2 + 6x - 8$ , where  $A = (A - B) + B$ , then the  
 polynomial A is  
 A)  $7x^3 - 12x^2 + 14x + 18$       B)  $7x^3 - 12x^2 + 14x - 15$   
 C)  $7x^3 - 12x^2 - 14x + 15$       D)  $-7x^3 + 12x^2 - 14x - 15$

ANS : B

34. Given and  $C + A = 0$ . If is added to A, then the result is

- A)  $x^2 - x + 1$       B)  $-x^2 - x - 1$       C)  $x^2 + x - 1$       D)  $x^2 - x + 1$

ANS : C

35. If  $A = 7x^3 - 2x^2 - 9x + 6$ ,  $B = 2x^3 - 8x^2 + 3x - 5$ ,  $C = 2x^3 - 4x^2 - 8x + 7$ , and  $D = -3x^3 - 5x^2 + 6x + 7$ , then  $(A - C) - (B - D)$  is

- A)  $5x^2 - 2x - 11$       B)  $5x^2 + 2x + 11$       C)  $5x^2 - 2x + 11$       D)  $-5x^2 - 2x - 11$

ANS : B

36. . Which out of the following are expressions with numbers only?

- (A)  $(7 \times 20) - (5 \times 10) - 45$       (B)  $3x$       (C)  $(7 \times 20) - 8z$       (D)  $5 - 5n$

ANS : (A)

37. . Perimeter of the square, whose each side is 'n' cm is

- (A)  $4n$       (B)  $2n$       (C)  $3n$       (D) None of these

ANS (A)

38. Give expression for 25 added to r.

- (A)  $25 + r$       (B)  $25 - r$       (C)  $25r$       (D) None of these

ANS (A)

39. Number of matchsticks required to make a pattern of "U"

- (A) 4      (B) 5      (C) 3      (D) 6

ANS : (C)

40. The \_\_\_\_\_ of the variable in an equation which satisfies the equation is called a solution to the equation.

- (A) value      (B) term      (C) factor      (D) None of these

ANS : (A)

41. . Choose a value of 'a' that satisfies the equation  $6a = -30$ .

- (A) 5      (B) 30      (C) -5      (D) 10

ANS : (C)

42. Perimeter of an \_\_\_\_\_ =  $3 \times$  length of a side

- (A) equilateral triangle      (B) isosceles triangle  
(C) right-angled triangle    (D) None of these

ANS : (A)

43. Which of the following is an equation?

- (A)  $2x + 3 = 5$       (B)  $2x + 3 < 5$       (C)  $2x + 3 > 5$       (D)  $2x + 3 \leq 5$

ANS : (A)

44. The expression for the statement: "y multiplied by 10 and then 7 added to product" is

- (A)  $7y - 10$       (B)  $10y - 7$       (C)  $10y + 7$       (D) None of these

ANS : (C)

45. An \_\_\_\_\_ is a condition on a variable.

- (A) expression      (B) equation      (C) equal      (D) none of these

ANS : (B)

46. Take Meena's present age to be y years, what will be her age 5 years from now?

- (A)  $y+5$       (B)  $5/y$       (C)  $y-5$       (D)  $5y$

ANS : (A)

47. Which of the following is the perimeter of a regular hexagon of side 's' units?

- (A)  $6 s$  units      (B)  $12 s$  units      (C)  $6 s^2$  sq units      (D)  $-6 s$  units

ANS : (A)

48. Ramu's father is thrice as old as Ramu. If father's age is 45 years, how old is Ramu?

- (A) 45 years      (B) 30 years      (C) 15 years      (D) 10 years

ANS : (C)

49. . Which of the following does  $2n - 1$  represent?

- (A) 1 subtracted from the product of n and 2.
- (B) The difference of two times n and 2.
- (C)  $2n$  added to 1.
- (D) n subtracted from 2.

ANS : (A)

50. . Perimeter of an equilateral triangle, whose each side is ‘x’ unit is

- (A)  $4x$
- (B)  $2x$
- (C)  $3+x$
- (D)  $3x$

ANS : (D)

51. Pick out the solution from the values given in the bracket next to each equation.  $p - 5 = 5$  (0, 10, 5 – 5)

- (A) 0
- (B) 5
- (C) -5
- (D) 10

ANS : (D)

52. The side of an equilateral triangle is shown by l. Express the perimeter of the equilateral triangle using l.

- (A)  $3l$
- (B)  $2l$
- (C) 1
- (D) None of these

ANS : (A)

53 Pick out the solution from the values given in the bracket next to each equation.  $x + 4 = 2$  (-2, 0, 2, 4)

- (A) -2
- (B) 4
- (C) 2
- (D) 0

ANS : (A)

54. A number is multiplied by 6 and 12 is added to the product. The result is 84. What is the number?

- (A) -12
- (B) 72
- (C) 12
- (D) -72

ANS : (C)

55. Find the length of a side of an equilateral triangular garden whose perimeter is 66 m.

- (A) 66 m      (B) 11 m      (C) 3 m      (D) 22 m

ANS : (D)

56. What is the method of finding a solution by trying out various values for the variable called?

- (A) Error method      (B) Trial and error method  
(C) Testing method      (D) Checking method

ANS : (B)

57. Number of matchsticks required to make a pattern of “A”

- (A) 4      (B) 3      (C) 6      (D) 5

ANS : (B)

58. A basket has  $x$  mangoes, how many mangoes are there in 5 baskets?

- (A) 5      (B)  $5x$       (C)  $6x$       (D)  $x$

ANS : (B)

59. What do literals usually represent?

- (A) Known quantities      (B) Variables      (C) Constants      (D) Depends on the problem

ANS : (B)

60. The rule, which gives the number of matchsticks required to make the matchstick pattern L, is

- (A)  $2n$       (B)  $3n$       (C)  $4n$       (D)  $5n$ .

Ans: (A)

61. The rule, which gives the number of matchsticks required to make the matchstick pattern C, is

- (A)  $2n$       (B)  $3n$       (C)  $4n$       (D)  $5n$ .

Ans: (B)

62. The rule, which gives the number of matchsticks required to make the matchstick pattern F, is

- (A) 2 n      (B) 3 n      (C) 4 n      (D) 5 n.

Ans: (C)

63. The rule, which gives the number of matchsticks required to make the matchstick pattern U, is

- (A) 2 n      (B) 3 n      (C) 4 n      (D) 5 n.

Ans: (B)

64. The rule, which gives the number of matchsticks required to make the matchstick pattern V, is

- (A) 2 n      (B) 3 n      (C) 4 n      (D) 5 n.

Ans: (A)

65. The rule, which gives the number of matchsticks required to make the matchstick pattern A, is

- (A) 2 n      (B) 3 n      (C) 4 n      (D) 5 n.

Ans: (B)

66. The rule, which gives the number of matchsticks required to make the matchstick pattern [], is

- (A) 2 n      (B) 3 n      (C) 4 n      (D) 5 n

Ans: (C)

67. The rule, which gives the number of matchsticks required to make the matchstick pattern  $\cong$ , is

- (A) 2 n      (B) 3 n      (C) 4 n      (D) 5 n.

Ans: (A)

68. The rule, which gives the number of matchsticks required to make the matchstick pattern E, is

- (A) 2 n      (B) 3 n      (C) 4 n      (D) 5 n.

Ans: (D)

69. The rule, which gives the number of matchsticks required to make the matchstick pattern A, is

- (A)  $3n$       (B)  $An$       (C)  $5n$       (D)  $6n$ .

Ans : (C)

70. The rule, which gives the number of matchsticks required to make the matchstick pattern A, is

- (A)  $3n$       (B)  $4n$       (C)  $5n$       (D)  $6n$ .

Ans: (A)

71. The rule, which gives the number of matchsticks required to make the matchstick pattern S, is

- (A)  $31$       (B)  $4n$       (C)  $5n$       (D)  $6n$ .

Ans: (C)

72. The side of a square is  $l$ . Its perimeter is

- (A)  $3l$       (B)  $2l$       (C)  $4l$       (D)  $6l$

Ans: (C)

73. The side of an equilateral triangle is  $l$ . Its perimeter is

- (A)  $1$       (B)  $2l$       (C)  $3l$       (D)  $6l$ .

Ans: (C)

74. The side of a regular pentagon is  $l$ . Its perimeter is

- (A)  $3l$       (B)  $6l$       (C)  $4l$       (D)  $5l$

Ans: (D)

75. The side of a regular hexagon is  $l$ . Its perimeter is

- (A)  $1$       (B)  $2l$       (C)  $3l$       (D)  $6l$ .

Ans: (D)

76. The length of an edge of a cube is l. The total length of its edges is

- (A)  $3l$       (B)  $4l$       (C)  $6l$       (D)  $12l$ .

Ans: (D)

77. The radius of a circle is r. Its diameter is

- (A)  $2r$       (B)  $4r$       (C)  $3r$       (D)  $6r$ .

Ans: (A)

78. Which of the following is an expression with numbers only?

- (A)  $x + 1$       (B)  $2x$       (C)  $1 - x$       (D)  $3$ .

Ans: (D)

79. Which of the following is an expression with numbers only?

- (A)  $2(4 - 3) + 5 \times 6$       (B)  $2 \times 3 - 4x$       (C)  $4 \times 5 - 10 \times 2 - 25 + x$       (D)  $x8$

Ans: (A)

80. Which of the following is not an expression with numbers only?

- (A)  $2 \times (3 + 4)$       (B)  $(2 + 3) \times 4$       (C)  $2 \times 3 + 4 \times 5$       (D)  $2x + 1$ .

Ans: (D)

81. The expression for '1 added top' is

- (A)  $P + 1$       (B)  $p - 1$       (C)  $1 - p$       (D)  $-1 - P$

Ans: (A)

82. The expression for ' 1 subtracted from p' is

- (A)  $p - 1$       (B)  $p + 1$       (C)  $1 - p$       (D)  $-1 - p$ .

Ans: (A)

83. The expression for ‘p multiplied by 2’ is

- (A)  $p + 2$       (B)  $P - 2$       (C)  $\frac{P}{2}$       (D)  $2p$

Ans: (D)

84. The expression for ‘p divided by 2’ is

- (A)  $\frac{P}{2}$       (B)  $2p$       (C)  $P + 2$       (D)  $p - 2.$

Ans: (A)

85. The expression for ‘ 1 subtracted from -p’ is

- (A)  $-P-1$       (B)  $p - 1$       (C)  $1 - p$       (D)  $1 + p.$

Ans: (A)

86. The expression for ‘ 1 added to -p’ is

- (A)  $-p + 1$       (B)  $-p - 1$       (C)  $p + 1$       (D)  $p - 1.$

Ans: (A)

87. The expression for ‘p multiplied by – 2’ is

- (A)  $-2p$       (B)  $-\frac{P}{2}$       (C)  $p - 2$       (D)  $-p - 2.$

Ans: (A)

88. The expression for ‘ -p multiplied by 2’ is

- (A)  $-2p$       (B)  $-\frac{P}{2}$       (C)  $p - 2$       (D)  $-p - 2.$

Ans: (A)

89. The expression for ' -p divided by 2' is

- (A)  $-\frac{P}{2}$       (B)  $-2p$       (C)  $-p + 2$       (D)  $-p - 2.$

Ans: (A)

90. The expression for ' 1 added to  $2p$ ' is

- (A)  $2p + 1$       (B)  $2p - 1$       (C)  $1 - 2p$       (D)  $-1 - 2p.$

Ans: (A)

91. The expression for ' 1 subtracted from  $2p$ ' is

- (A)  $2p - 1$       (B)  $2p + 1$       (C)  $1 - 2p$       (D)  $-2p - 1.$

Ans: (A)

92. The expression for 'added' is ' 2 times  $x$  to which 1 is

- (A)  $2x + 1$       (B)  $x + 2$       (C)  $1 - 2x$       (D)  $2x - 1.$

Ans: (A)

93. The expression for '2 times  $x$  from which 1 is subtracted' is

- (A)  $2x - 1$       (B)  $2x + 1$       (C)  $x - 2$       (D)  $x + 2.$

Ans: (A)

94. The expression for 'x is divided by 2 and the result is added to 1' is

- (A)  $1 + \frac{x}{2}$       (B)  $1 - \frac{x}{2}$       (C)  $2 + x$       (D)  $2 - x.$

Ans: (A)

95. The expression for 'x is divided by  $-2$  and the result is added to 1' is

- (A)  $1 - \frac{x}{2}$       (B)  $1 + \frac{x}{2}$       (C)  $x2 - 1$       (D)  $-1 - \frac{x}{2}$

Ans: (A)

96. If Apala's present age is  $x$  years, what will be her age in years after 20 years from now?

- (A)  $x + 20$       (B)  $x - 20$       (C)  $\frac{x}{20}$       (D)  $20x$ .

Ans: (A)

97. If Meenu's present age is  $x$  years, what was her age in years, 10 years back?

- (A)  $x - 10$       (B)  $10 - x$       (C)  $-x - 10$       (D)  $10x$ .

Ans: (A)

98. If the age of Hari Kishan is two times the age of Manish (which is  $x$  years), then the age of Hari Kishan, in years, is

- (A)  $\frac{x}{2}$       (B)  $2x$       (C)  $x + 2$       (D)  $x - 2$ .

Ans: (B)

99. The salary of Hari Kishan is two times the salary of Manish (which is Rs.  $x$ ), then the salary of Hari Kishan, in rupees, is

- (A)  $2x$       (B)  $\frac{x}{2}$       (C)  $x + 2$       (D)  $x - 2$ .

Ans: (A)

100. Which of the following is an equation in a variable?

- (A)  $\frac{10}{2} = 5$       (B)  $2 \times 3 + 2 \times 1 = 8$       (C)  $2 \times 4 = 8$       (D)  $3p = 12$ .

Ans: (D)