

**Algebra: Worksheet -2**

1.If Sarita's present age is 'x' years, what will be her age 5 years from now? [     ]

- (A)  $(x-5)$  yrs.      (B)  $(x+5)$  yrs      (C)  $5x$  yrs      (D)  $5/x$  yrs

2. Ram's bank balance is Rs.500 more than 3 times his friend's bank balance. If his friend's bank balance is 'y', what is Ram's bank balance.

[     ]

- (A)  $y + 500$       (B)  $3y + 500$       (C)  $3y$       (D)  $3y - 500$

3.The length of a rectangular hall is 4 metres less than 3 times the breadth of the hall. What is the length, if the breadth is 'b' metres?

[     ]

- (A)  $b + 4$       (B)  $b - 4$       (C)  $3b - 4$       (D)  $3b + 4$

4. The side of an equilateral triangle is denoted by  $l$ . Express the perimeter of the triangle using  $l$ .

[     ]

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

5. Give expression for  $p$  divided by 15.

[     ]

- (A)  $p + 15$       (B)  $p \div 15$       (C)  $p - 15$       (D)  $p \times 15$

6. Take Meena's present age to be  $y$  years, what is his father's age if he is double of her age?

[     ]

- (A)  $y + 2$       (B)  $y - 2$       (C)  $y/2$       (D)  $2y$



7. 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)  $40/x$

8. 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)  $y \div 5$

9. Identify the operations (addition, subtraction, division, multiplication) in forming the expression.  $y + 17$  [     ]

- (A) division      (B) multiplication      (C) addition      (D) subtraction

10. Identify the operations (addition, subtraction, division, multiplication) in forming the expression  $15y$  [     ]

- (A) subtraction      (B) multiplication      (C) addition      (D) division

11. Give expression for '5 times  $y$  from which 3 is subtracted'. [     ]

- (A)  $5y - 3$                       (B)  $5y + 3$                       (C)  $5y/3$                       (D)  $5y - 5$

12. Give expression for 25 added to  $r$ . [     ]

- (A)  $r - 25$                       (B)  $r + 25$                       (C)  $r \times 25$                       (D)  $r \div 25$

13. The side of a regular hexagon is denoted by  $l$ . Express the perimeter of the hexagon using  $l$ . [     ]

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



14. Give expression for 12 subtracted from  $z$ . [      ]

- (A)  $z + 12$       (B)  $z - 12$       (C)  $z \times 12$       (D)  $z \div 12$

15. 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)  $y - 3$

16. Give expression for  $p$  multiplied by 16. [      ]

- (A)  $p + 16$       (B)  $p \times 16$       (C)  $p - 16$       (D)  $p \div 16$

