

1. The solution of the equation $ax + b = 0$ is
- (a) $\frac{a}{b}$ (b) $-b$ (c) $-\frac{b}{a}$ (d) $\frac{b}{a}$
2. If a and b are positive integers, then the solution of the equation $ax = b$ will always be a
- (a) positive number (b) negative number
(c) 1 (d) 0
3. Which of the following is not allowed in a given equation?
- (a) Adding the same number to both sides of the equation.
(b) Subtracting the same number from both sides of the equation.
(c) Multiplying both sides of the equation by the same non-zero number.
(d) Dividing both sides of the equation by the same number.
4. The solution of which of the following equations is neither a fraction nor an integer?
- (a) $2x + 6 = 0$ (b) $3x - 5 = 0$
(c) $5x - 8 = x + 4$ (d) $4x + 7 = x + 2$
5. The equation which cannot be solved in integers is
- (a) $5y - 3 = -18$ (b) $3x - 9 = 0$
(c) $3z + 8 = 3 + z$ (d) $9y + 8 = 4y - 7$
6. If $7x + 4 = 25$, then x is equal to
- (a) $\frac{29}{7}$ (b) $\frac{100}{7}$ (c) 2 (d) 3
7. The solution of the equation $3x + 7 = -20$ is
- (a) $\frac{17}{7}$ (b) -9 (c) 9 (d) $\frac{13}{3}$

8. By solving the equation $a = 2 - 9a$, the value of a will be

a). $\frac{1}{5}$

b). $\frac{2}{3}$

c). $\frac{2}{5}$

d). $\frac{1}{2}$

9. By solving the equation $2a - 2 = 20$, the value of 'a' will be

a).12

b).14

c).11

d).13

10. The solution of the equation $x - 6 = 1$ is

(a) 1

(b) 6

(c) - 7

(b) 7.

11. The solution of the equation $5x = 10$ is

(a) 1

(b) 2

(c) 5

(d) 10.

12. The solution of the equation $\frac{m}{2} = 3$ is

- (a) 2
- (b) 3
- (c) 12
- (d) 6.

13. The solution of the equation $7n + 5 = 12$ is

- (a) 0
- (b) - 1
- (c) 1
- (d) 5.

14. The solution of the equation $4p - 3 = 9$ is

- (a) 1
- (b) 2
- (c) 3
- (d) 4

15. The solution of the equation $5p + 2 = 7$ is

- (a) 0
- (b) 1
- (c) - 1
- (d) 2

Sum of two natural numbers is 32. Then answer 16 to 17.

16.If one number is 10, which of the following is the other numbers?

a

. 20

c. 24

b .22

d. 18

17. What is the number when 4 subtracted from it, their difference will be one-fourth of the given sum?

- a. 8
- b. 4
- c. 14
- d. 12

19. Which of the following is the root of the equation $7x - 2 = x + 16$?

- a. 3
- b. 4
- c. 2
- d. 5

20. Sum of three consecutive even numbers is 36. What is the value of smallest number?

- a. 10
- b. 12
- c. 14
- d. 16

21. Sum of two consecutive odd numbers is 16. What is the value of largest number?

- a. 7
- b. 11
- c. 9
- d. 5

22. If 5 is added to 4 times a number the sum will be 89. What is the number?

- a. 23
- b. 22
- c. 20
- d. 21

Answer the question (23-24) in view of the following information.

Length of a rectangular garden is 2 metre more than its breadth.

23. If the perimeter of the garden is 52. What is its breadth?

a. 12

c. 16

b. 14

d. 18

24. What is the ratio of length and breadth?

a. 6:7

b. 7:6

c. 5:7

d. 12:16