

## SOLVING LINEAR EQUATIONS – PRACTICE QUESTIONS



1.  
Solve

$$x + 2 = 10$$

2.  
Solve

$$y - 8 = 3$$

3.  
Solve

$$4z = 16$$

4.  
Solve

$$12 - a = 4$$

5.  
Solve

$$\frac{b}{3} = 9$$

6.  
Solve

$$\frac{30}{c} = 5$$

7.  
Solve

$$3a + 2 = 17$$

8.  
Solve

$$5b - 9 = 21$$

9.  
Solve

$$6c + 11 = 35$$

10.  
Solve

$$8x - 3 = 37$$

11.  
Solve

$$11y + 20 = 64$$

12.  
Solve

$$4z + 17 = 41$$

13.  
Solve

$$7m - 10 = 39$$

14.  
Solve

$$9t - 7 = 29$$

15.  
Solve

$$20 - 3f = 11$$

16.  
Solve

$$31 - 6h = 43$$

17.  
Solve

$$3a + 11 = 2a + 19$$

18.  
Solve

$$5x + 12 = 3x + 20$$

19.  
Solve

$$7y + 15 = 4y + 33$$

20.  
Solve

$$10z + 3 = 3z + 31$$

21.  
Solve

$$11x - 12 = 6x + 18$$

22.  
Solve

$$7a - 13 = a + 23$$

23.  
Solve

$$14b - 17 = 11b - 2$$

24.  
Solve

$$7c - 22 = 10 - c$$

25.  
Solve

$$a + a + a + a = 12$$

26.  
Solve

$$b + b + b + b + b = 35$$

27.  
Solve

$$3c + 4c + 5 = 26$$

28.  
Solve

$$d + 2 + d + 7 = 31$$

29.  
Solve

$$2e + 3 + 4e = 38 - e$$

30.  
Solve

$$4f - 5 + 2f = 3f + 10$$

31.  
Solve

$$3(4x + 1) = 51$$

32.  
Solve

$$2(y + 7) = 25$$

33.  
Solve

$$12a = 3(3a + 9)$$

34.  
Solve

$$4(2m - 5) = 3(m + 5)$$

35.  
Solve

$$\frac{x + 1}{2} = 6$$

36.  
Solve

$$\frac{y - 3}{5} = 3$$

37.  
Solve

$$\frac{3g - 5}{2} = 5$$

38.  
Solve

$$\frac{4p + 11}{5} = 7$$



39.  
Solve

$$\frac{5 - 2k}{7} = 3$$

40.  
Solve

$$\frac{5x - 27}{2} = x$$

41.  
Solve

$$\frac{3w - 11}{7} = 2w$$

42.  
Solve

$$\frac{3b + 13}{4} = 2b - 3$$

43.  
Solve

$$4m - 1 = \frac{13m + 23}{5}$$

44.  
Solve

$$\frac{p + 3}{2} = \frac{4p + 5}{7}$$

45.  
Solve

$$5 = \frac{7u - 15}{u}$$

46.  
Solve

$$\frac{3t}{5} + 5 = t - 3$$