

Solving Equations with Unknowns on Both Sides

1. $6a + 2 = 2a + 10$

2. $9b + 3 = 6b + 18$

3. $12c + 9 = 7c + 14$

4. $11d + 9 = 4d + 30$

5. $5e + 8 = 4e + 15$

6. $7f + 8 = f + 20$

7. $5g + 3 = 2g + 15$

8. $6h + 5 = 3h + 14$

9. $10j + 3 = 4j + 21$

10. $9k + 1 = 5k + 9$

11. $5m - 3 = 2m + 9$

12. $9n - 11 = 3n + 13$

13. $8p - 7 = 6p + 3$

14. $9q - 8 = 3q + 16$

15. $11r - 12 = 8r + 6$

16. $15t - 2 = 14t + 5$

17. $5u - 12 = u + 20$

18. $5x - 9 = 2x - 3$

19. $7y - 10 = 5y - 2$

20. $9z - 14 = 6z - 5$

21. $15t - 56 = 7t - 16$

22. $10u - 20 = 9u - 11$

23. $9v - 40 = v - 24$

24. $4m - 5 = 7 - 2m$

25. $5n - 8 = 32 - 3n$

26. $2t - 50 = 14 - 6t$

27. $3u - 14 = 6 - u$

28. $v - 18 = 16 - 3v$

Solving Equations with Unknowns on Both Sides - Answers

- $6a + 2 = 2a + 10$ **2**
- $9b + 3 = 6b + 18$ **5**
- $12c + 9 = 7c + 14$ **1**
- $11d + 9 = 4d + 30$ **3**
- $5e + 8 = 4e + 15$ **7**
- $7f + 8 = f + 20$ **2**
- $5g + 3 = 2g + 15$ **4**
- $6h + 5 = 3h + 14$ **3**
- $10j + 3 = 4j + 21$ **3**
- $9k + 1 = 5k + 9$ **2**
- $5m - 3 = 2m + 9$ **4**
- $9n - 11 = 3n + 13$ **4**
- $8p - 7 = 6p + 3$ **5**
- $9q - 8 = 3q + 16$ **4**
- $11r - 12 = 8r + 6$ **6**
- $15t - 2 = 14t + 5$ **7**
- $5u - 12 = u + 20$ **8**
- $5x - 9 = 2x - 3$ **2**
- $7y - 10 = 5y - 2$ **4**
- $9z - 14 = 6z - 5$ **3**
- $15t - 56 = 7t - 16$ **5**
- $10u - 20 = 9u - 11$ **9**
- $9v - 40 = v - 24$ **2**
- $4m - 5 = 7 - 2m$ **2**
- $5n - 8 = 32 - 3n$ **5**
- $2t - 50 = 14 - 6t$ **8**
- $3u - 14 = 6 - u$ **5**
- $v - 18 = 16 - 3v$ **8.5**