

Column Addition to 50

Work out the answers to these calculations using the expanded column method.

$$\begin{array}{r} 1. \quad + \quad 11 \\ \quad \quad 17 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad + \quad 19 \\ \quad \quad 13 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad + \quad 15 \\ \quad \quad 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad + \quad 10 \\ \quad \quad 19 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad + \quad 27 \\ \quad \quad 11 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad + \quad 11 \\ \quad \quad 21 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad + \quad 11 \\ \quad \quad 10 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad + \quad 14 \\ \quad \quad 12 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad + \quad 20 \\ \quad \quad 11 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad + \quad 15 \\ \quad \quad 15 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad + \quad 18 \\ \quad \quad 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad + \quad 10 \\ \quad \quad 33 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad + \quad 42 \\ \quad \quad 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad + \quad 24 \\ \quad \quad 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad + \quad 10 \\ \quad \quad 14 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad + \quad 36 \\ \quad \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad + \quad 30 \\ \quad \quad 9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad + \quad 12 \\ \quad \quad 10 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 19. \quad + \quad 13 \\ \quad \quad 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad + \quad 17 \\ \quad \quad 22 \\ \hline \\ \hline \end{array}$$

Column Addition to 50

Work out the answers to these calculations using the expanded column method.

$$\begin{array}{r} 21. \\ + \quad 14 \\ \quad 17 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 22. \\ + \quad 21 \\ \quad 20 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 23. \\ + \quad 35 \\ \quad 12 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 24. \\ + \quad 26 \\ \quad 15 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 25. \\ + \quad 20 \\ \quad 11 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 26. \\ + \quad 17 \\ \quad 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 27. \\ + \quad 15 \\ \quad 10 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 28. \\ + \quad 18 \\ \quad 13 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 29. \\ + \quad 13 \\ \quad 12 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 30. \\ + \quad 11 \\ \quad 14 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 31. \\ + \quad 38 \\ \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 32. \\ + \quad 23 \\ \quad 17 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 33. \\ + \quad 39 \\ \quad 11 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 34. \\ + \quad 11 \\ \quad 30 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 35. \\ + \quad 18 \\ \quad 31 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 36. \\ + \quad 32 \\ \quad 13 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 37. \\ + \quad 14 \\ \quad 24 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 38. \\ + \quad 38 \\ \quad 9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 39. \\ + \quad 11 \\ \quad 10 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 40. \\ + \quad 20 \\ \quad 20 \\ \hline \\ \hline \end{array}$$

Column Addition to 50

Work out the answers to these calculations using the expanded column method.

$$\begin{array}{r} 41. \\ + \quad 12 \\ \quad 21 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 42. \\ + \quad 18 \\ \quad 17 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 43. \\ + \quad 10 \\ \quad 40 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 44. \\ + \quad 10 \\ \quad 17 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 45. \\ + \quad 36 \\ \quad 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 46. \\ + \quad 21 \\ \quad 22 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 47. \\ + \quad 37 \\ \quad 9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 48. \\ + \quad 15 \\ \quad 17 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 49. \\ + \quad 23 \\ \quad 10 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 50. \\ + \quad 32 \\ \quad 6 \\ \hline \\ \hline \end{array}$$

Column Addition to 50 Answers

Work out the answers to these calculations using the expanded column method.

$$\begin{array}{r} 1. \quad + \quad 11 \\ \quad \quad 17 \\ \hline \quad \quad 28 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad + \quad 19 \\ \quad \quad 13 \\ \hline \quad \quad 32 \\ \hline \quad \quad 1 \end{array}$$

$$\begin{array}{r} 3. \quad + \quad 15 \\ \quad \quad 7 \\ \hline \quad \quad 22 \\ \hline \quad \quad 1 \end{array}$$

$$\begin{array}{r} 4. \quad + \quad 10 \\ \quad \quad 19 \\ \hline \quad \quad 29 \\ \hline \end{array}$$

$$\begin{array}{r} + \quad 27 \\ \quad \quad 11 \\ \hline \quad \quad 38 \\ \hline \end{array}$$

$$\begin{array}{r} + \quad 11 \\ \quad \quad 21 \\ \hline \quad \quad 32 \\ \hline \end{array}$$

$$\begin{array}{r} + \quad 11 \\ \quad \quad 10 \\ \hline \quad \quad 21 \\ \hline \end{array}$$

$$\begin{array}{r} + \quad 14 \\ \quad \quad 12 \\ \hline \quad \quad 26 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad + \quad 20 \\ \quad \quad 11 \\ \hline \quad \quad 31 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad + \quad 15 \\ \quad \quad 15 \\ \hline \quad \quad 30 \\ \hline \quad \quad 1 \end{array}$$

$$\begin{array}{r} 7. \quad + \quad 18 \\ \quad \quad 7 \\ \hline \quad \quad 25 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad + \quad 10 \\ \quad \quad 33 \\ \hline \quad \quad 43 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad + \quad 42 \\ \quad \quad 7 \\ \hline \quad \quad 49 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad + \quad 24 \\ \quad \quad 8 \\ \hline \quad \quad 32 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad + \quad 10 \\ \quad \quad 14 \\ \hline \quad \quad 24 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad + \quad 36 \\ \quad \quad 6 \\ \hline \quad \quad 42 \\ \hline \quad \quad 1 \end{array}$$

$$\begin{array}{r} + \quad 30 \\ \quad \quad 9 \\ \hline \quad \quad 39 \\ \hline \end{array}$$

$$\begin{array}{r} + \quad 12 \\ \quad \quad 10 \\ \hline \quad \quad 22 \\ \hline \end{array}$$

$$\begin{array}{r} + \quad 13 \\ \quad \quad 8 \\ \hline \quad \quad 21 \\ \hline \quad \quad 1 \end{array}$$

$$\begin{array}{r} + \quad 17 \\ \quad \quad 22 \\ \hline \quad \quad 39 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad + \quad 14 \\ \quad \quad 17 \\ \hline \quad \quad 31 \\ \hline \quad \quad 1 \end{array}$$

$$\begin{array}{r} 14. \quad + \quad 21 \\ \quad \quad 20 \\ \hline \quad \quad 41 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad + \quad 35 \\ \quad \quad 12 \\ \hline \quad \quad 47 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad + \quad 26 \\ \quad \quad 15 \\ \hline \quad \quad 41 \\ \hline \quad \quad 1 \end{array}$$

$$\begin{array}{r} + \quad 20 \\ \quad \quad 11 \\ \hline \quad \quad 31 \\ \hline \end{array}$$

$$\begin{array}{r} + \quad 17 \\ \quad \quad 7 \\ \hline \quad \quad 24 \\ \hline \quad \quad 1 \end{array}$$

$$\begin{array}{r} + \quad 15 \\ \quad \quad 10 \\ \hline \quad \quad 25 \\ \hline \end{array}$$

$$\begin{array}{r} + \quad 18 \\ \quad \quad 13 \\ \hline \quad \quad 31 \\ \hline \quad \quad 1 \end{array}$$

$$\begin{array}{r} 17. \quad + \quad 13 \\ \quad \quad 12 \\ \hline \quad \quad 25 \\ \hline \end{array}$$

$$\begin{array}{r} + \quad 11 \\ \quad \quad 14 \\ \hline \quad \quad 25 \\ \hline \end{array}$$

$$\begin{array}{r} + \quad 38 \\ \quad \quad 6 \\ \hline \quad \quad 44 \\ \hline \quad \quad 1 \end{array}$$

$$\begin{array}{r} + \quad 23 \\ \quad \quad 17 \\ \hline \quad \quad 40 \\ \hline \quad \quad 1 \end{array}$$

Column Addition to 50 Answers

Work out the answers to these calculations using the expanded column method.

$$\begin{array}{r} 21. \quad + \quad 39 \\ \quad \quad + \quad 11 \\ \hline \quad \quad 50 \\ \hline \quad \quad 1 \end{array}$$

$$\begin{array}{r} 22. \quad + \quad 11 \\ \quad \quad + \quad 30 \\ \hline \quad \quad 41 \\ \hline \end{array}$$

$$\begin{array}{r} 23. \quad + \quad 18 \\ \quad \quad + \quad 31 \\ \hline \quad \quad 49 \\ \hline \end{array}$$

$$\begin{array}{r} 24. \quad + \quad 32 \\ \quad \quad + \quad 13 \\ \hline \quad \quad 45 \\ \hline \end{array}$$

$$\begin{array}{r} 25. \quad + \quad 14 \\ \quad \quad + \quad 24 \\ \hline \quad \quad 38 \\ \hline \end{array}$$

$$\begin{array}{r} 26. \quad + \quad 38 \\ \quad \quad + \quad 9 \\ \hline \quad \quad 47 \\ \hline \quad \quad 1 \end{array}$$

$$\begin{array}{r} 27. \quad + \quad 11 \\ \quad \quad + \quad 10 \\ \hline \quad \quad 21 \\ \hline \end{array}$$

$$\begin{array}{r} 28. \quad + \quad 20 \\ \quad \quad + \quad 20 \\ \hline \quad \quad 40 \\ \hline \end{array}$$

$$\begin{array}{r} 41. \quad + \quad 12 \\ \quad \quad + \quad 21 \\ \hline \quad \quad 33 \\ \hline \end{array}$$

$$\begin{array}{r} 42. \quad + \quad 18 \\ \quad \quad + \quad 17 \\ \hline \quad \quad 35 \\ \hline \quad \quad 1 \end{array}$$

$$\begin{array}{r} 43. \quad + \quad 10 \\ \quad \quad + \quad 40 \\ \hline \quad \quad 50 \\ \hline \end{array}$$

$$\begin{array}{r} 44. \quad + \quad 10 \\ \quad \quad + \quad 17 \\ \hline \quad \quad 27 \\ \hline \end{array}$$

$$\begin{array}{r} 45. \quad + \quad 36 \\ \quad \quad + \quad 8 \\ \hline \quad \quad 44 \\ \hline \quad \quad 1 \end{array}$$

$$\begin{array}{r} 46. \quad + \quad 21 \\ \quad \quad + \quad 22 \\ \hline \quad \quad 43 \\ \hline \end{array}$$

$$\begin{array}{r} 47. \quad + \quad 37 \\ \quad \quad + \quad 9 \\ \hline \quad \quad 46 \\ \hline \end{array}$$

$$\begin{array}{r} 48. \quad + \quad 15 \\ \quad \quad + \quad 17 \\ \hline \quad \quad 32 \\ \hline \quad \quad 1 \end{array}$$

$$\begin{array}{r} 49. \quad + \quad 23 \\ \quad \quad + \quad 10 \\ \hline \quad \quad 33 \\ \hline \end{array}$$

$$\begin{array}{r} 50. \quad + \quad 32 \\ \quad \quad + \quad 6 \\ \hline \quad \quad 38 \\ \hline \end{array}$$