

SOLVING LINEAR EQUATIONS

Answer all of these questions. Remember to show your working out in all questions.

MAIN QUESTIONS

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|-----|-----------------|-----|-----------------|
| 1. | $2x + 3 = 7$ | 2. | $5x - 4 = 11$ |
| 3. | $7x + 1 = 15$ | 4. | $4x - 5 = 3$ |
| 5. | $3x + 4 = 10$ | 6. | $6x - 7 = 11$ |
| 7. | $8x + 3 = 19$ | 8. | $9x - 2 = 16$ |
| 9. | $5x + 6 = 21$ | 10. | $10x - 4 = 26$ |
| 11. | $12x + 5 = 29$ | 12. | $15x - 8 = 37$ |
| 13. | $20x + 10 = 50$ | 14. | $25x - 15 = 60$ |
| 15. | $30x + 20 = 80$ | | |

MASTER QUESTIONS



- M1.** A number multiplied by 4 and then added to 5 gives 17. Find the number.
- M2.** The sum of three consecutive integers is 18. Find the integers.
- M3.** A train travels 300 miles in 5 hours. Find its speed in miles per hour.
- M4.** The perimeter of a square is 20cm. Find the length of one side.

- M5.** A book costs £12 more than a pen. Together they cost £20. Find the cost of the pen.