

SOLVING LINEAR EQUATIONS WHERE THE SOLUTIONS ARE FRACTIONS

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. | $4x + 1 = 9$ | 4. | $3x - 2 = 10$ |
| 5. | $7x + 5 = 26$ | 6. | $6x - 3 = 15$ |
| 7. | $8x + 4 = 20$ | 8. | $9x - 6 = 21$ |
| 9. | $10x + 7 = 37$ | 10. | $11x - 8 = 36$ |
| 11. | $12x + 9 = 45$ | 12. | $13x - 10 = 55$ |
| 13. | $14x + 11 = 67$ | 14. | $15x - 12 = 78$ |
| 15. | $16x + 13 = 91$ | | |

MASTER QUESTIONS



- M1.** A rectangle has a perimeter of 24cm and an area of 35cm^2 . Find its dimensions.
- M2.** The sum of two numbers is 15 and their difference is 3. Find the numbers.

M3. A train travels 300 miles in 5 hours. What is its speed?

M4. A shop sells apples for £1.20 per kg and oranges for £1.50 per kg. If a customer buys 3 kg of apples and 2 kg of oranges, how much do they pay?