

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. | $2x + 3 = 7$ | | $x = 2$ | 2. | $5x - 4 = 11$ | | $x = 3$ |
| 3. | $4x + 5 = 17$ | | $x = 3$ | 4. | $3x - 2 = 10$ | | $x = 4$ |
| 5. | $7x + 1 = 15$ | | $x = 2$ | 6. | $6x - 3 = 21$ | | $x = 4$ |
| 7. | $9x + 4 = 31$ | | $x = 3$ | 8. | $8x - 5 = 19$ | | $x = 3$ |
| 9. | $10x + 7 = 37$ | | $x = 3$ | 10. | $12x - 8 = 28$ | | $x = 3$ |
| 11. | $5x + 3 = 18$ | | $x = 3$ | 12. | $4x - 7 = 9$ | | $x = 4$ |
| 13. | $6x + 9 = 33$ | | $x = 4$ | 14. | $8x - 11 = 21$ | | $x = 4$ |
| 15. | $11x + 6 = 50$ | | $x = 4$ | | | | |

MASTER QUESTIONS



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- M1. A train travels 300 miles in 5 hours. What is its speed in miles per hour? | The train's speed is 60 miles per hour

- M2.** A shop sells apples at £1.20 per kilogram. How much does 3.5 kilograms cost? | The cost is £4.20
- M3.** A rectangle has a length of 8cm and a width of 5cm. What is its perimeter? | The perimeter is 26cm
- M4.** A car uses 5 litres of petrol to travel 60 miles. How many litres will it use to travel 150 miles? | The car will use 12.5 litres