

Exercise A

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|---|---|------------------------------|--|
| 1. $x = 2, y = 1$ | 2. $x = 4, y = 2$ | 3. $x = 3, y = 1$ | 4. $x = -\frac{1}{3}, y = -2\frac{1}{3}$ |
| 5. $x = 3, y = 2$ | 6. $x = 5, y = -2$ | 7. $x = 2, y = 1$ | 8. $x = 5, y = 3$ |
| 9. $x = 3, y = -1$ | 10. $a = 2, b = -3$ | 11. $a = 5, b = \frac{1}{4}$ | 12. $a = 1, b = 3$ |
| 13. $m = \frac{1}{2}, n = 4$ | 14. $w = 2, x = 3$ | 15. $x = 6, y = 3$ | 16. $x = \frac{1}{2}, z = -3$ |
| 17. $m = 1\frac{15}{17}, n = \frac{11}{17}$ | 18. $c = 1\frac{16}{23}, d = -2\frac{12}{23}$ | | |

Exercise B

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|--|----------------------|--------------------|---------------------|
| 1. $x = 2, y = 4$ | 2. $x = 1, y = 4$ | 3. $x = 2, y = 5$ | 4. $x = 3, y = 7$ |
| 5. $x = 5, y = 2$ | 6. $a = 3, b = 1$ | 7. $x = -2, y = 3$ | 8. $x = 4, y = 1$ |
| 9. $x = \frac{5}{7}, y = 4\frac{3}{7}$ | 10. $x = 1, y = 2$ | 11. $x = 2, y = 3$ | 12. $x = 4, y = -1$ |
| 13. $x = 1, y = 2$ | 14. $a = 4, b = 3$ | 15. $x = 4, y = 3$ | 16. $x = 5, y = -2$ |
| 17. $x = 3, y = -1$ | 18. $x = 5, y = 0.2$ | | |

Exercise C

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|-----------------------------------|---|--|
| 1. $5\frac{1}{2}, 9\frac{1}{2}$ | 2. 6, 3 or $2\frac{2}{5}, 5\frac{2}{5}$ | 3. 4, 10 |
| 4. 10.5, 7.5 | 5. $a = 2, c = 7$ | 6. $m = 4, c = -3$ |
| 7. $a = 30, b = 5$ | 8. TV £200, video £450 | 9. white 2 oz, brown $3\frac{1}{2}$ oz |
| 10. 60 m, 80 m | 11. 150 m, 350 m | 12. $2p \times 15, 5p \times 25$ |
| 13. $10p \times 14, 50p \times 7$ | 14. 20 | 15. current 4 m/s, kipper 10 m/s |
| 16. $\frac{5}{7}$ | 17. boy 10, mouse 3 | 18. $a = 1, b = 2, c = 5$ |
| 19. $y = x^2 + 3x + 4$ | | |