**Solving Simultaneous Equations By Elimination – Prove It – Answers**

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| *Section 1 – Solve the simultaneous equations below*  *(Grade C to B)* | | | |
| 1. |  | 2. |  |
| 3. |  | 4. |  |
| 5. |  | 6. |  |

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| *Section 2 – Solve the simultaneous equations below*  *(Grade B)* | | | |
| 7. |  | 8. |  |
| 9. |  | 10. |  |
| 11. |  | 12. |  |

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| *Section 3 – form two equations and solve them simultaneously*  *(Grade B to A)* | |
| 13. | I have two numbers that have a sum of 16 and a difference of 3. By forming two equations and solving them, find the two numbers.  **The two numbers are 9.5 and 6.5** |
| 14. | A shop sells two different types of marble in bags: red and blue.  A bag containing three red marbles and two blue marbles weighs 66g.  A different bag containing one red marble and four blue marbles weighs 72g.  Form and solve two equations to show how much does each type of marble weighs?  **Red = 12g; Blue =15g** |
| 15. | Using the table below find the cost of one apple and one banana.  **Apple = 8p; Banana = 15p** |