**Single variable substitution with addition**

Green

If g = 5, find the value of:

|  |  |
| --- | --- |
| 1. g + 2 = | 6. 10 + g = |
| 2. g + 10 = | 7. g + 1 = |
| 3. g + 8 = | 8. 4 + g = |
| 4. g + 7 = | 9. g + 4 + g = |
| 5. g + 12 = | 10. g + 3 + g = |

Amber

Find the value of the following,

1) If d = 3

2) If d = 8

|  |
| --- |
| a. d + 3 = |
| b. 9 + d = |
| c. d + 3 + d + 2 = |
| d. 4 + d + d + 1 = |
| e. d + d + d + d + d = |

Red

If p = 3, q = 6 and r = 5, find the value of:

|  |  |
| --- | --- |
| 1. 10 + p = | 6. q + 3 + q + q = |
| 2. q + 6 = | 7. -5 + q = |
| 3. r + 1 = | 8. -1 + p + p = |
| 4. p + 10 = | 9. -10 + r + r = |
| 5. 2 + p + 3 = | 10. 100 + p + q + r = |

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**Solutions: Single variable substitution addition**

Green

If g = 5, find the value of:

|  |  |
| --- | --- |
| 1. g + 2 = 7 | 6. 10 + g = 15 |
| 2. g + 10 = 15 | 7. g + 1 = 6 |
| 3. g + 8 = 13 | 8. 4 + g = 9 |
| 4. g + 7 = 12 | 9. g + 4 + g = 14 |
| 5. g + 12 = 17 | 10. g + 3 + g = 13 |

Amber

Find the value of the following,

1) If d = 3

2) If d = 8

|  |
| --- |
| a. d + 3 = 6 , 11 |
| b. 9 + d = 12 , 17 |
| c. d + 3 + d + 2 = 11 , 21 |
| d. 4 + d + d + 1 = 11 , 21 |
| e. d + d + d + d + d = 15, 40 |

Red

If p = 3, q = 6 and r = 5, find the value of:

|  |  |
| --- | --- |
| 1. 10 + p = 13 | 6. q + 3 + q + q = 21 |
| 2. q + 6 = 12 | 7. -5 + q = 1 |
| 3. r + 1 = 6 | 8. -1 + p + p = 5 |
| 4. p + 10 = 13 | 9. -10 + r + r = 0 |
| 5. 2 + p + 3 = 8 | 10. 100 + p + q + r = 114 |

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