## Level 1 - Calculation riddles

Work backwards to find the answer. I have solved the first question on each difficulty.

| I think of a number. <br> I double it and add 1. <br> The answer is 5 . <br> What was my number? <br> Working backwards from 5, I will take away 1 and then halve it. So my number is 2 . <br> Remember to do the opposite as you work backwards. | I think of a number. I double it and add 2. The answer is 12. What was my number? |
| :---: | :---: |
| I think of a number. I half it and subtract 1. The answer is 1 . What was my number? | I think of a number. I half it and add 5. The answer is 10. What was my number? |
| I think of a number. I double it and add 1. The answer is 17. What was my number? | I think of a number. I double it and add 2. The answer is 16 . What was my number? |
| I think of a number. I half it and add 3. The answer is 9. What was my number? | I think of a number. I double it and add 1. The answer is 3 . What was my number? |
| I think of a number. I double it and add 2. The answer is 8. What was my number? | I think of a number. I double it and subtract 2. The answer is 10. What was my number? |
| I think of a number. I half it and subtract 10. The answer is 0 . What was my number? | I think of a number. I double it and add 2. The answer is 20. What was my number? |
| I think of a number. I double it and add 5. The answer is 25 . What was my number? | I think of a number. I half it and subtract 1. The answer is 6 . What was my number? |

## Level 2 - Calculation riddles

Work backwards to find the answer. I have solved the first question on each difficulty.

| I think of a number. <br> I double it and add 5. <br> The answer is 25 . <br> What was my number? <br> working backwards from 25, I subtract 5 and then <br> halve it. So my number is 10 . <br> Remember to do the opposite as you work backwards. | I think of a number. I double it and add 2. The answer is 22. What was my number? |
| :---: | :---: |
| I think of a number. I half it and subtract 10. The answer is 10 . What was my number? | I think of a number. I half it and add 5. The answer is 20. What was my number? |
| I think of a number. I double it and add 1. The answer is 19. What was my number? | I think of a number. I double it and add 4. The answer is 20. What was my number? |
| I think of a number. I half it and add 3. The answer is 9. What was my number? | I think of a number. I half it and add 10. The answer is 16 . What was my number? |
| I think of a number. I double it and add 2. The answer is 16. What was my number? | I think of a number. I double it and add 2. The answer is 26 . What was my number? |
| I think of a number. I half it and add 10. The answer is 18. What was my number? | I think of a number. I half it and add 5. The answer is 9. What was my number? |
| I think of a number. I double it and add 5. The answer is 31 . What was my number? | I think of a number. I double it and add 1. The answer is 13. What was my number? |

## Level 3 - Calculation riddles

Work backwards to find the answer. I have solved the first question on each difficulty.

| I think of a number. <br> I double it and add 5. <br> The answer is 69. <br> What was my number? <br> Working backwards from 69, I subtract 5 and then halve it. So my number is 32. <br> Remember to do the opposite as you work backwards. | I think of a number. I double it and add 22. The answer is 50 . What was my number? |
| :---: | :---: |
| I think of a number. I half it and subtract 15. The answer is 29. What was my number? | I think of a number. I half it and add 12. The answer is 33 . What was my number? |
| I think of a number. I double it and subtract 6. The answer is 102 . What was my number? | I think of a number. I double it and add 36. The answer is 100. What was my number? |
| I think of a number. I half it and add 25. The answer is 55. What was my number? | I think of a number. I double it and subtract 2. The answer is 40 . What was my number? |
| I think of a number. 1 half it and subtract 6. The answer is 26 . What was my number? | I think of a number. I double it and add 20. The answer is 92. What was my number? |
| I think of a number. I double it and add 17. The answer is 59 . What was my number? | I think of a number. I half it and subtract 50. The answer is 2 . What was my number? |
| I think of a number. I half it and add 9. The answer is 44. What was my number? | I think of a number. I double it and add 7. The answer is 35 . What was my number? |

Can you make your own number riddles?

## Answers

Level 1

| 2 | 5 |
| :---: | :---: |
| 4 | 10 |
| 8 | 7 |
| 12 | 1 |
| 3 | 6 |
| 20 | 9 |
| 10 | 14 |

Level 2

| 10 | 10 |
| :---: | :---: |
| 40 | 7 |
| 9 | 8 |
| 12 | 14 |
| 7 | 24 |
| 16 | 8 |
| 13 | 6 |

Level 3

| 32 | 14 |
| :---: | :---: |
| 88 | 42 |
| 54 | 32 |
| 60 | 24 |
| 64 | 36 |
| 21 | 104 |
| 70 | 19 |

