LO: To use the inverse to solve problems (bronze).

1) I think of a number. I double it, add 50 and my answer is 74. What was my number?

2) I think of a number. I add 16, subtract 30 and my answer is 36. What was my number?

3) I think of a number. I subtract 10 and add 5. I then double it. My answer is 50, what was my number?

4) I think of a number. I add 3 and double it. Then I half it and my answer is 6, what was my number?

5) I think of a number. I divide by 2, add 98 and my answer is 100. What was my number?

6) I think of a number. I add 20, double it and subtract 25. My answer is 75. What was my number?

7) I think of a number. I half it, and subtract 5. The answer is 25. What was my number?

8) I think of a number. I double it, add 10, and then subtract 4. My answer is 40, what was my number?

LO: To use the inverse to solve problems (silver).

1) I think of a number. I subtract 25 and add 2. I then multiply by 2. My answer is 154, what was my number?

2) I think of a number. I add 15 and multiply by 2. Then I divide by 2 and my answer is 16, what was my number?

3) I think of a number. I divide by 2, add 98 and my answer is 100. What was my number?

4) I think of a number. I add 50, multiply by 3 and subtract 25. My answer is 275. What was my number?

5) I think of a number. I multiply by 20, divide by 10 and subtract 5. The answer is 195. what was my number?

6) I think of a number. I double it, add 31, and then subtract 4. My answer is 149, what was my number?

7) I think of a number, I multiply it by 2, and then add 9. The answer is 20. What was my number?

8) I think of a number, I multiply it by itself, subtract 44, add 10 and my answer is 66.   What was the number?

LO: To use the inverse to solve problems (gold).

1) I think of a number, I divide it by 3, add 5, multiply it by 9, subtract 32 and my answer is 94. What was the number?

2) I think of a number, I divide it by 5, add 10, multiply it by 5, subtract 15 and my answer is 135. What was the number?

3) I think of a number, I divide by 2, subtract 10, multiply by 8, add 51 and my answer is 355. What was the number?

4) I think of a number, I divide it by 10, add 28, multiply it by 4, subtract 10 and my answer is 430. What was the number?

5) I think of a number, I subtract 20, multiply it by 4, divide it by 10, add 120 and my answer is 138. What was the number?

6) I think of a number, I subtract 30, multiply it by 3, divide it by 6, add 150 and my answer is 205. What was the number?

7) I think of a number, I add 26, divide it by 2, multiply by 5, subtract 30 and my answer is 660. What was the number?

LO: To use the inverse to solve problems (bronze).

1) 12

2) 50

3) 30

4) 3

5) 4

6) 30

7) 60

8) 17

1) 100

2) 1

3) 4

4) 50

5) 100

6) 61

7) 5.5

9) 10

LO: To use the inverse to solve problems (gold).

1) 27

2) 100

3) 96

4) 820

5) 65

6) 140

7) 250