

### Numerical prediction

Difficulty: \*

Preparation: \*

Ask a spectator to write on a sheet of paper a 4-digit number between 1,000 and 9,999. All numbers on the paper must be between 1,000 and 9,999. Then write your prediction on another piece of paper without anyone seeing.

We can give our prediction to someone well hidden.

Ask the spectator to write a second number between 1,000 and 9,999.

Our turn to write the third number.

The spectator writes the fourth number.

We end up writing the fifth number (remember to write the numbers with different colored pens (black for the magician and red for the spectator)).

Now we add up all the numbers. The total will be your prediction.

For the prediction, once the spectator has written down the number of his choice, you will just have to write the number "Z" next to the number on the left and subtract Z.

For example, if the spectator wrote 1,373 on the sheet, your prediction would be  $Z(1,373-Z)$  or 21,371.

Then, as soon as the spectator has written their second 4 digit number (Z,324), all you have to do is subtract 9,999 from it.

Example:  $9,999 - Z,324 = 7,675$ .

Finally, the spectator writes down the third 4-digit number (1,567). All you have to do is subtract 9,999 from it.

Example:  $9,999 - 1,567 = 8,432$ .

1,373

2,324

7,675

1,567

8,432

Total: 21,371 = your prediction !!!!