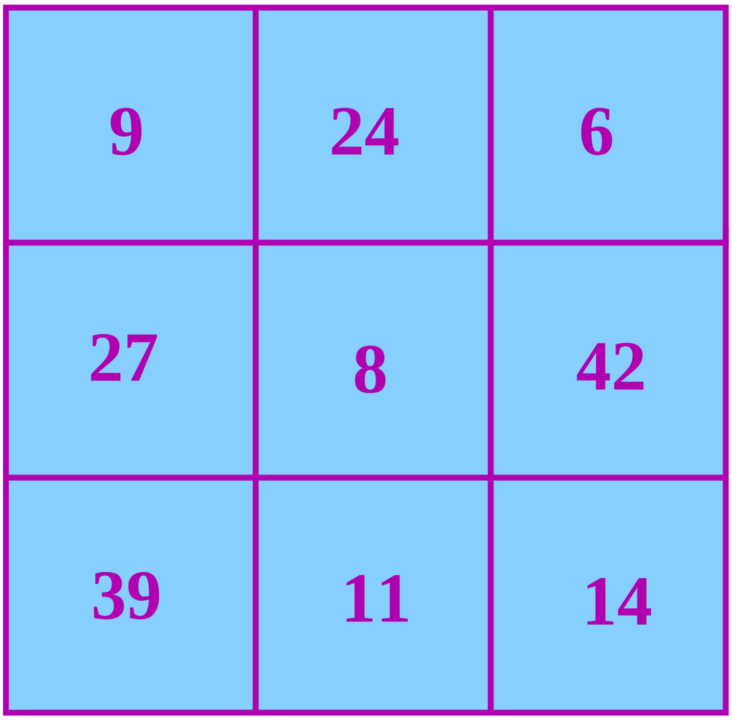
Can you find the secret combination?

Jack put his coin collection in a safe, but now he can't remember the combination!
The lock has 9 numbers to press in a grid, but they must be pressed in a certain order. He remembers something about a rule about adding, subtracting, multiplying, or dividing each number by 3 to find the next number in the combination. He knows that the first button to press is a single digit. Each number is used only once.
In what order must he press the 9 buttons to successfully open the safe?



9	24	6
27	8	42
39	11	14

Answer: