

Investigation

What to do:

- Write a 5-digit number. Reverse the digits and write the new number.
- Subtract the smaller from the larger.
- Reverse the digits of the answer and add it to the new number, e.g. write 35,721 and subtract 12,753 to give 22,968.
- Now reverse the digits and add, i.e. add 22,968 and 86,922. What is the answer?
- Start with a new number 5-digit number.

35721
reverse - 12753
22968
reverse + 86922
109890