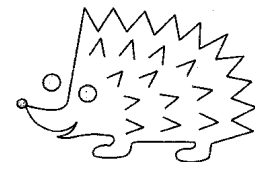


# The 6801 Puzzle 1



Hedgehog Mathematical Sheets

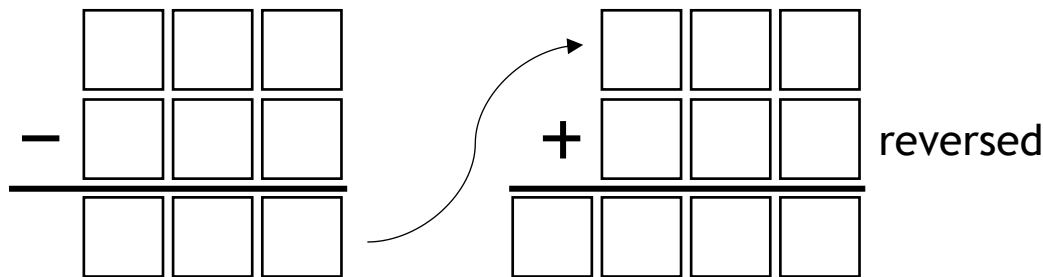
First choose at random a three-digit number.

The only rule is that the first and last digits must be at least two apart.

Then reverse your number so that the last digit goes first and so on.

My number is \_\_\_\_\_ My reversed number is \_\_\_\_\_

Now subtract one from the other; remember to start with the larger value.

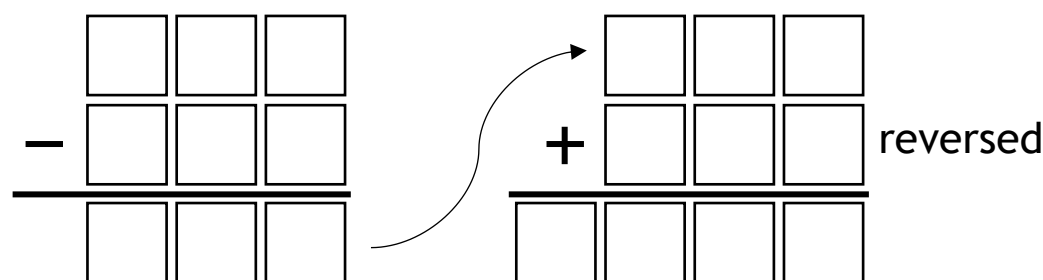


Next, take your answer, reverse it and add those two numbers together.

What do you find? My answer is \_\_\_\_\_

Try it again with a different starting number:

My number is \_\_\_\_\_ My reversed number is \_\_\_\_\_



Take your answer, reverse it and add them together.

What do you find? My answer is \_\_\_\_\_

What do you notice? What is happening? Why is it happening?

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