

NUMBER MAGIC

Write a number.

Add 25 to it.

Multiply by 2.

Subtract 4.

Divide by 2.

Subtract your first number.

4	8	1	3
4	8	3	8
9	6	7	6
9	6	7	2
4	8	3	6
		2	3

Now you try starting with some different numbers.

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Multiply by 2.

Subtract 4.

Divide by 2.

Subtract your first number.

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The second			

Write a number.

Add 25 to it.

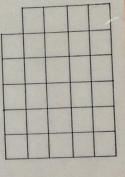
Multiply by 2.

Subtract 4.

Divide by 2.

Subtract your

first number.



Write a number.

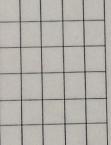
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Divide by 2.

Subtract your first number.

Explain how this number magic works.

Explanation

It doesn't matter what number you write at the beginning as you subtract your first number at the end so it readed it out.

If you added 25 and subtracted 2 every time it spot the would lead you quickly to the (23) answer, but this trick really operation is disguised by X 2 (doubling) = 50 then subtract 4 = 46

When you divide 46 by 2 you are left with 23

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Dut doubled 50 REVERSED BACK to [23] when you - 2 later.

The doubling then halving later on caucel each other out. Clever eh?