



Magical Mathematical Marvels!

Amaze people with this incredible piece of mathemagic!

This trick can be done with a set of dominoes, 0-9 cards or just by choosing a two digit number.

Ask your victim (try your dad, mum or teacher - someone who is good at maths!!) to think of two single-digit numbers. Then ask them to do the following:

1. Take one of the numbers and double it.
2. Add 5 to the answer.
3. Multiply this answer by 5.
4. Add in the second number.
5. Subtract 4.

Ask the victim what their final answer is.

Tell them they are correct!

But more than this, tell them what the original two digits were!

Do this by subtracting 21 from the answer they gave you.

Try it - it always works!

Try this: 3 4

$$3 \times 2 = 6$$

$$6 + 5 = 11$$

$$11 \times 5 = 55$$

$$55 + 4 = 59$$

$$59 - 4 = 55$$

and you....

$$55 - 21 = 34$$