## Multiplication Square





Take a multiplication square.

Pick any 2 by 2 square and add the numbers on each diagonal. For example, if you take:

the numbers along one diagonal add up to 77 and the numbers along the other diagonal add up to 76.

Try a few more examples. What do you notice?

Now pick any 3 by 3 square and add the numbers on each diagonal.

What do you think will happen with a 4 by 4 square?

Can you prove your prediction?

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