

# Mathematics Games

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## NEVER TOUCH!

### Equipment:

2 pencils

A set of playing squares

### Rules:

This is a game for two people using noughts and crosses on a square board.

The player going first places a cross in one square.

Then the second player has his/her turn, placing a nought in a square.

This continues, but no two crosses are allowed next to each other with a common edge. The same rule applies for the noughts. (Diagonal touching is allowed.)

x	0		
	x	0	
	0		
	x		

x	0		
0	x	0	
x	0		x
0	x		

x	0		x
0	x	0	
x	0		x
0	x		0

The winner is the player who makes the last correct mark on the square, forcing the other player to put a cross (or nought) next to one that has already been drawn. In the above game 0 wins because x would have to place his next x in a square already next to a cross.

On the next page you will find a set of squares. Begin with the small square and work up!

Now, is it better to go first or second?

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