

## Multiples Naughts and Crosses

The object of the game is similar to Naughts and Crosses, except that you try for 4 in a row (diagonal, vertical or horizontal). One person marks X, the other O, just as in the standard version. What makes it different is the row at the bottom (for factors 1 through 9).

There, the first person uses markers to mark two numbers (we use paper clips as markers). Say she chooses 4 and 7. She puts an X goes on the product of 4 and 7, or 28.

The next player can move only ONE of the two markers to another number. Say she moves the marker which was on the 7 onto the 5. She would put an O on the 20 (because  $4 \times 5 = 20$ ). Each subsequent move is made in this fashion, with the player moving only one of the two markers.

In my class, I've copied the chart onto paper and then laminated so we can mark with overhead pens and then wipe off. Or you can use a paper and use two different colored markers of some sort (colored beans or rocks or whatever) to represent X and O.

# Multiples Naughts and Crosses

1	2	3	4	5	6
7	8	9	10	12	14
15	16	18	20	21	24
25	27	28	30	32	35
36	40	42	45	48	49
54	56	63	64	72	81

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