

## How Close to 100?


1. \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

2. \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

3. \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

4. \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

5. \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

6. \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

7. \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

8. \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

9. \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

10. \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

# X FOUR IN A ROW X

**You will need:**

*A set of counters for each player*

Take turns to choose two numbers from the list above the grid.

Multiply the numbers and cover the answer with your own counter on the grid below.

The first player to get four counters in a line (horizontally, vertically or diagonally) is the winner.

**3, 5, 6, 7, 8, 9, 11, 12**

27	54	72	9	84	108
55	77	35	40	88	66
56	24	33	63	15	81
132	30	21	144	60	64
49	36	99	72	25	36
45	42	18	96	121	48

# X FOUR IN A ROW X

**You will need:**

*A set of counters for each player*

Take turns to choose two numbers from the list above the grid.

Multiply the numbers and cover the answer with your own counter on the grid below.

The first player to get four counters in a line (horizontally, vertically or diagonally) is the winner.

**4, 5, 6, 7, 8, 10, 11, 12**

132	60	48	60	72	16
110	28	49	20	66	56
32	88	120	84	42	24
44	77	55	144	30	25
100	35	80	50	121	96
48	70	40	40	36	64

# X FOUR IN A ROW X

**You will need:**

*A set of counters for each player*

Take turns to choose two numbers from the list above the grid.

Multiply the numbers and cover the answer with your own counter on the grid below.

The first player to get four counters in a line (horizontally, vertically or diagonally) is the winner.

**5, 6, 7, 8, 9, 11, 12, 20**

240	63	49	84	36	42
66	121	132	160	60	64
220	48	35	140	56	96
72	77	100	72	25	55
400	99	120	45	180	54
108	81	144	88	30	40

# Multiplication Squares

In the  $2 \times 2$  multiplication square below, the boxes at the end of each row and the foot of each column give the result of multiplying the two numbers in that row or column.

7	5	35
3	4	12
21	20	

The  $3 \times 3$  multiplication square below works in the same way. The boxes at the end of each row and the foot of each column give the result of multiplying the three numbers in that row or column.

3	1	5	15
6	2	9	108
8	4	7	224
144	8	315	

The numbers 1–9 may be used once and once only.

Can you work out the arrangement of the digits in the square so that the given products are correct?

*Taken from [nrich.maths.org](http://nrich.maths.org)*