

MATHS MATRIX INTRODUCTION

How they work

Pick a number in the matrix (that's a fancy name for a grid filled with numbers) below, circle it, then cross out all numbers in the same row and column.

Pick another number, not already scored out, circle it, and cross out all numbers in the same row and column.

Repeat this until you have four numbers circled. Add these four numbers up to get a total.

Now, do the same for the identical matrix to the right. Go through the same process but start by circling a different number. If you've done it right the four remaining numbers should, when added, give the same total as the first matrix. This will keep happening, no matter which starting number you choose.

MATHEMAGIC!

The total for our example below will be 77!

12	23	17	23
3	14	8	14
15	26	20	26
20	31	25	31

12	23	17	23
3	14	8	14
15	26	20	26
20	31	25	31

5	1	0	2
8	4	3	5
9	5	4	6
6	2	1	3

5	1	0	2
8	4	3	5
9	5	4	6
6	2	1	3

5	1	0	2
8	4	3	5
9	5	4	6
6	2	1	3

Matrix Total..... (a)

6	4	1	3
7	5	2	4
5	3	0	2
9	7	4	6

6	4	1	3
7	5	2	4
5	3	0	2
9	7	4	6

6	4	1	3
7	5	2	4
5	3	0	2
9	7	4	6

Matrix Total..... (b)

6	5	6	4
7	6	7	5
2	1	2	0
4	3	4	2

6	5	6	4
7	6	7	5
2	1	2	0
4	3	4	2

6	5	6	4
7	6	7	5
2	1	2	0
4	3	4	2

Matrix Total..... (c)

8	3	5	1
7	2	4	0
9	4	6	2
8	3	5	1

8	3	5	1
7	2	4	0
9	4	6	2
8	3	5	1

8	3	5	1
7	2	4	0
9	4	6	2
8	3	5	1

Matrix Total..... (d)

7	8	6	3
8	9	7	4
6	7	5	2
4	5	3	0

7	8	6	3
8	9	7	4
6	7	5	2
4	5	3	0

7	8	6	3
8	9	7	4
6	7	5	2
4	5	3	0

Matrix Total.....=(a)

2	5	4	7
4	7	6	9
1	4	3	6
3	6	5	8

2	5	4	7
4	7	6	9
1	4	3	6
3	6	5	8

2	5	4	7
4	7	6	9
1	4	3	6
3	6	5	8

Matrix Total.....=(b)

1	1	3	0
5	5	7	4
7	7	9	6
6	6	8	5

1	1	3	0
5	5	7	4
7	7	9	6
6	6	8	5

1	1	3	0
5	5	7	4
7	7	9	6
6	6	8	5

Matrix Total.....=(c)

1	0	2	0
3	2	4	2
7	6	8	6
6	5	7	5

1	0	2	0
3	2	4	2
7	6	8	6
6	5	7	5

1	0	2	0
3	2	4	2
7	6	8	6
6	5	7	5

Matrix Total.....=(d)

