



## Magical Mathematical Marvels!

# Amazing addition.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

This is for real  
mathemagicians.

Ask your mum, dad or  
other poor victim to  
draw round a 5 X 5  
square of numbers,  
anywhere on a  
number square.

Straight away tell  
them what the total of  
all the numbers in the  
square is.

Amazing! But you  
need to be brilliant at  
halving to do it!

The secret is to take the middle number of the square chosen and multiply by 25 in your head.

How do you multiply by 25? Easy - multiply by 100 (by moving each number two places to the left and placing zero in the units and tens).

Then half the answer and halve it again. Done! Eg take the square shown. 34 is the middle number. Multiply by 100 gives 3 400.

Halve it gives 1 700. Half again gives 850.