

# MAGIC SQUARES

1. Complete each of the following magic squares.

2		
	5	
4		8

8	1	6
	5	

		4
	5	
6		2

2		
7		
6	1	

28	21	
	25	
	29	

2	14		
	3		6
	5		4
8	12	1	

21			17	9
2	19	6		
8	25			16
	1	18	10	
20	7	24	11	3

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

2. Complete the magic square by entering each of the numbers 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 only once.

The numbers in each row, column and main diagonal have to add up to 30.

There are two possible solutions, try to get both.

15			12
	10		
			11
	13	14	

15			12
	10		
			11
	13	14	

3. Complete the magic square by entering each of the numbers 1, 2, 3, 4, 5, 6, 7, 8 and 9 only once.

The numbers in each row, column and main diagonal have to add up to 34.

There are two possible solutions, try to get both.

16			13
	10	11	
			12
	15	14	

16			13
	10	11	
			12
	15	14	

# MAGIC SQUARES : answers

1.

2	7	6
9	5	1
4	3	8

8	1	6
3	5	7
4	9	2

8	3	4
1	5	9
6	7	2

2	9	4
7	5	3
6	1	8

28	21	26
23	25	27
24	29	22

2	14	7	11
15	3	10	6
9	5	16	4
8	12	1	3

21	13	5	17	9
2	19	6	23	15
8	25	12	4	16
14	1	18	10	22
20	7	24	11	3

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

2.

15	1	2	12
4	10	9	7
8	6	5	11
3	13	14	0

15	0	3	12
5	10	9	6
8	7	4	11
2	13	14	1

3.

16	3	2	13
5	10	11	8
9	6	7	12
4	15	14	1

16	1	4	13
7	10	11	6
9	8	5	12
2	15	14	3