



## MAGIC SQUARE 5A

A magic square is a square where each line of 3 numbers (vertical, horizontal and diagonal) adds up to the same amount.

1) Write the numbers 0,  $\frac{1}{2}$ , 1,  $1\frac{1}{2}$ , 2,  $2\frac{1}{2}$ , 3,  $3\frac{1}{2}$ , 4,  $4\frac{1}{2}$  in the correct place so that each line (vertical, horizontal and diagonal) adds up to  $7\frac{1}{2}$ .

$\frac{1}{2}$  1  $1\frac{1}{2}$  2 3  $3\frac{1}{2}$  4  $4\frac{1}{2}$

Total must be  $7\frac{1}{2}$



	$2\frac{1}{2}$	

2) Can you make a new magic square using the digits 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8 and 0.9 so that each line adds up to 1.5?

0.1 0.2 0.3 0.4 0.6 0.7 0.8 0.9

Total must be 1.5



	0.5	





## MAGIC SQUARE 5A ANSWERS

Please note that there are several solutions for each square puzzle. Each solution will be a reflection or a rotation of one of the solutions below.

**One** solution for each challenge is given.

1)

$\frac{1}{2}$  1  $1\frac{1}{2}$  2 3  $3\frac{1}{2}$  4  $4\frac{1}{2}$

Total must be  $7\frac{1}{2}$

2	$1\frac{1}{2}$	4
$4\frac{1}{2}$	$2\frac{1}{2}$	$\frac{1}{2}$
1	$3\frac{1}{2}$	3

2)

0.1 0.2 0.3 0.4 0.6 0.7 0.8 0.9

Total must be 1.5

0.2	0.9	0.4
0.7	0.5	0.3
0.6	0.1	0.8