



MAGIC SQUARE 5B

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:

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

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

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

Total must be 5



	$1\frac{2}{3}$	

2) Can you make a new magic square using the numbers:

$\frac{1}{5}$ $\frac{2}{5}$ $\frac{3}{5}$ $\frac{4}{5}$ 1 $1\frac{1}{5}$ $1\frac{2}{5}$ $1\frac{3}{5}$ $1\frac{4}{5}$

so that each line adds up to 3?

$\frac{1}{5}$ $\frac{2}{5}$ $\frac{3}{5}$ $\frac{4}{5}$ $1\frac{1}{5}$ $1\frac{2}{5}$ $1\frac{3}{5}$ $1\frac{4}{5}$

Total must be 3



	1	





MAGIC SQUARE 5B 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)

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

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

Total must be 5

2)

$\frac{1}{5}$ $\frac{2}{5}$ $\frac{3}{5}$ $\frac{4}{5}$ $1\frac{1}{5}$ $1\frac{2}{5}$ $1\frac{3}{5}$ $1\frac{4}{5}$

$1\frac{3}{5}$	$\frac{3}{5}$	$\frac{4}{5}$
$\frac{1}{5}$	1	$1\frac{4}{5}$
$1\frac{1}{5}$	$1\frac{2}{5}$	$\frac{2}{5}$

Total must be 3