

# MathFLIX CHALLENGE

## Why is this a Magic Square?

To make a magic square you must arrange the numbers in such a way that the sum of the three numbers in any vertical, horizontal or diagonal line is the same.

$n-3$	$n+2$	$n+1$
$n+4$	$n$	$n-4$
$n-1$	$n-2$	$n+3$

	7	
	5	
4		

1		
	4	0

(Hint: Here is a secret code you may use to set up your magic squares. It is in algebra)

1, 2, 3, 4, 5, 6, 7, 8, 9  
 The magic sum is \_\_\_\_

0, 1, 2, 3, 4, 5, 6, 7, 8  
 The magic sum is \_\_\_\_

10	6	
		9

		60
	50	

	700	
	500	

2, 3, 4, 5, 6, 7, 8, 9, 10  
 The magic sum is \_\_\_\_

10, 20, 30, 40, 50, 60, 70, 80, 90  
 The magic sum is \_\_\_\_

100, 200, 300, 400, 500, 600, 700, 800, 900  
 The magic sum is \_\_\_\_

	0	
		3

	$2\frac{1}{2}$	


-4, -3, -2, -1, 0, 1, 2, 3, 4  
 The magic sum is \_\_\_\_

$\frac{1}{2}$ , 1,  $1\frac{1}{2}$ , 2,  $2\frac{1}{2}$ , 3,  $3\frac{1}{2}$ , 4,  $4\frac{1}{2}$   
 The magic sum is \_\_\_\_

10.2, 10.3, 10.4, 10.5, 10.6, 10.7, 10.8, 10.9, 11  
 The magic sum is \_\_\_\_