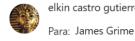
jamesgrime.com

On 19 March 2016 at 23:00, ELKIN < elk 33@hotmail.com > wrote:

Greetings. my name is elkin castro gutierrez from colombia, i write to you cos i have seen your videos in the numberphile channel and i see you are very passional abount math.

I think I have something interesting to show you, im not an expert and i dont know if is known, but i want you to see it and maybe it could be used un a video.

Thanks



elkin castro gutierrez

 \leftarrow Responder \ll Responder a todos ightharpoonup



Greeting and thanks for answering, please if this is known just tell me.

if this is un known just give me some credit cos i have spent so many hours of rudimentary math and this was one of the results. thanks and please reply

From: email@jamesgrime.com

Date: Mon, 21 Mar 2016 14:48:49 +0000

Subject: Re: Other: Greetings To: elk_33@hotmail.com

Hi Elkin, you are welcome to show me. Sometimes I can't always reply quickly.

Best wishes,

James

Activa Ve a Co

.xls

elk	in cast	ro g			
	1			4	
	2	1	4	3	
	3	4	1	2	
	4			1	
witho	out rep	eatin	g in r	ows c	olumns and diagonally
	t	he so	lution	is pr	etty obvious
	1	3	2	4	
	2	1	4	3	
	3	4	1	2	
	4	2	3	1	
now the	now the next challengue				is not that difficultnumbers from 1 to 6

	CHALLENGUE								SOLUTION						
	1					6				1	4	5	2	3	6
	2	1			6	5				2	1	3	4	6	5
	3		1	6		4				3	5	1	6	2	4
	4		6	1		3				4	2	6	1	5	3
	5	6			1	2				5	6	4	3	1	2
	6					1				6	3	2	5	4	1
so the i	so the int he next one use to offer my students a lot of									money if they can solve it					
	1							8							
	2	1					8	7							
	3		1			8		6							
	4			1	8			5							
	5			8	1			4							
	6		8			1		3							
	7	8					1	2							
	8							1							

From: email@jamesgrime.com

Date: Sun, 3 Apr 2016 16:24:41 +0100

Subject: Re: Other: Greetings To: elk_33@hotmail.com

Hi Elkin, this is a Latin Square - where each row and column contains one of each value. Like a sudoku. Some people may enjoy it as a puzzle, although Latin Square and Sudokus are well studied, so I don't think this will make you famous.

All the best,

James

--

James Grime jamesgrime.com



elkin castro gutierrez

Para: James Grime



Dom 3/04/2016 12:03 PM

thanks for the answer...i goig to read about latin squares, but i think this one is very interesting, only can fill it when n+1 is prime. and there is integer formula to obtain each value...