James Grime
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

Responder Responder a todos

Para: James Grime

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10 KB

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

.xls

elkin castro g

1			4
2	1	4	3
3	4	1	2
4			1

you have to fill the empty spaces with numbers fron 1 to 4

without repeating in rows columns and diagonally

the solution is pretty obvious

1	3	2	4
2	1	4	3
3	4	1	2
4	2	3	1

now the next challengue is not that difficultnumbers from 1 to 6

CHALLENGUE

1					6
2	1			6	5
3		1	6		4
4		6	1		3
5	6			1	2
6					1

SOLUTION

1	4	5	2	3	6
2	1	3	4	6	5
3	5	1	6	2	4
4	2	6	1	5	3
5	6	4	3	1	2
6	3	2	5	4	1

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...