

Mystery Matrix

Have a look at this table square or matrix:

x	2	3	4	5
2	4	6	8	10
6	12	18	24	30
7	14	21	28	35
9	18	27	36	45

Can you see how it has been constructed?

Why are some numbers in black and some in red?

Can you explain why the red 6 is in that particular square?

Why is there a 45 in the bottom right-hand corner?

You will notice that the numbers 2 to 9 are used to generate the matrix and only one of these numbers is used twice (the 2).

Can you fill in the matrix (table square) below?

The numbers 2 to 12 were used to generate it with, again, just one number used twice.

x						
	32			40		
					49	
			22			
		15				27
			24			
					42	