

thegriddle

by david millar
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foursquared

by [debbierahav](#)

Four squared is a great puzzle sent to me by Debbie Rahav. Here's a sample puzzle and solution to start off:

		★		
3		★		
			3	
			★	
2^4	2^3	2^7		2
3	3	3		3^3
7	5	7		5^2
	11			
	13			

#108

Solved:

4	13	★	16	3
3		★		
7	15		6	9
1	11		2	3
		★		
12	8		14	10
2^4	2^3	2^7		2
3	3	3		3^3
7	5	7		5^2
	11			
	13			

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If you enjoyed these puzzles, let Debbie know by emailing her:
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Four Squared consists of a 4x4 grid with each number from 1 to 16 in it. Arrange the numbers in the cells so that all of the conditions below are met:

- The darkened cells each contain a perfect square (1, 4, 9, 16)
- A number between squares represents the difference between them. The difference between two squares with a star between them is 3 or less. The difference between any other two squares with no marker is 4 or more.
- The product of each column must be the same as the product of the prime numbers given.

Some things to look for in the first grid are:

- Firstly, look for columns with dark squares and several threes. There should be a 9 there.
- Secondly, look at the farthest left column. If you knew there was a 4 in that dark square, and you saw the 3 below that box, the other box next to the 3 would be 1 or 7. Since the other box isn't dark, it's 7.

Here are some puzzles for you to try:

★	★		★
★	2	★	★
	★		
	2		1
2	2^3	2^4	2^7
3^3	5	3^2	3
7		5	5
11		13	7

#???

	★		★
	★		
3			
★		1	
	3		
2^3	2^4	2^5	2^3
3^3	3	3	3
5	7		5^2
7	13		11

#114

	★		★		★	
				★		
	1		★		★	
			★			
	★					
2^4	2^5	3		2^6		
3^3	5	5		3^2		
5	7^2	11		13		

#8141

			★	
				★
			★	
	1		★	1
			★	
			★	
		★		
2^8	2^2	2^4		2
3	3	3		3^3
11	5^3	7		7
				13

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