

Cross Figure - Challenging Puzzle #44

This puzzle is like a crossword, but with numbers. Each digit occupies a square and can be a part of a "word" in the across and down directions.

Rules:

- "Words" may not start with a zero.
- "Words" read from left to right and top to bottom.
- There is one unique solution which satisfies all the clues given below.
- Some "words" may not have clues. They will be determined by the "words" which intersect them.

1										2	3
		4	5		6	7		8			
9					10					11	
		12		13			14				
	15		16				17			18	
19		20			21	22			23		24
25					26				27		
			28	29			30	31			
		32					33				
34					35	36				37	38
		39			40			41			
42										43	

Across

- 1 Half of 16 across, then subtract 43 across
- 2 14 down minus 41 across
- 4 Eight times 1 across
- 6 21 down minus 23 down
- 8 28 down divided by 23 across
- 9 Mean of 43 across and 26 across
- 10 34 down minus 2 across
- 11 Half of 10 across, then subtract 2 across
- 12 Mean of 14 across and 41 across
- 14 32 across minus 30 across
- 16 Mean of 29 down and 14 down
- 17 A square
- 19 Seventy-three times 37 across
- 21 6 across plus 22 down
- 23 42 across plus 29 down
- 25 29 down plus 42 across
- 26 35 across minus 36 down
- 27 Twice a prime number
- 28 Mean of 6 across and 13 down
- 30 Sum of digits in 8 down
- 32 1 across plus 14 across
- 33 Mean of 32 across and 4 across
- 34 15 down divided by 35 down
- 35 Mean of 30 across and 23 across
- 37 32 across minus 14 across
- 39 38 down minus 6 down
- 40 37 across plus 14 down
- 41 A square
- 42 Mean of 1 down and 20 down
- 43 31 down minus 3 down

Down

- 1 8 across plus 16 across
- 3 15 down minus 17 across
- 5 Twice a prime number
- 6 39 across plus 23 down
- 7 26 across plus 8 across
- 8 A prime number
- 13 Mean of 37 across and 40 across
- 14 Mean of 42 across and 17 across
- 15 21 across plus 3 down
- 18 Seven times a prime number
- 19 1 down minus 9 across
- 20 19 across minus 27 across
- 21 9 across plus 39 across
- 22 6 across minus 39 across
- 23 36 down minus 9 across
- 24 Mean of 35 across and 6 down
- 28 8 across times 25 across
- 29 8 across plus 36 down
- 30 39 across minus 20 down
- 31 3 down plus half of 28 across
- 34 5 down minus 18 down
- 35 34 across plus 24 down
- 36 A square
- 38 Mean of 21 across and 23 across

Solution:

1	1									2	9
1		8	8		6	6		3	3		7
3	2		6		8	8		7		1	5
		3	7	5			7	0	1		
	1		8	0			8	1		8	
8	0	3			8	1			1	5	7
1	5	7			3	5			7	6	6
	6		5	8			1	1		1	
		7	1	2			4	0	0		
1	2		8		8	4		0		1	1
1		5	1		8	9		4	9		1
7	5									2	9