

Difficulty: ★★★★★

Cross Figure - Hard Puzzle #34

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:

1. "Words" may not start with a zero.
2. "Words" read from left to right and top to bottom.
3. There is one unique solution which satisfies all the clues given below.
4. 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			

Across

- 1 23 across minus 9 across
- 5 41 across minus half of 11 down
- 8 A square
- 9 Last two digits are the same as 11 down
- 12 25 down minus 37 across
- 13 Twice the result of 15 across minus 10 down
- 14 Mean of 39 across and 32 across
- 15 25 down minus 38 across
- 18 6 down divided by 17 down
- 19 A prime number
- 22 A prime number
- 23 Eighty-nine times a prime number
- 24 18 across minus 30 across
- 26 3 down plus 40 across
- 27 Half of 25 down, then subtract 37 across
- 30 13 across minus 17 down
- 32 Eight times a prime number
- 37 Mean of 8 across and 27 across
- 38 Twice 27 across
- 39 First two digits are the same as 33 down
- 40 Mean of 25 down and 33 down
- 41 Three times a prime number
- 42 Twice the result of 28 down plus 8 across

Down

- 1 20 down plus 4 down
- 2 Twice a prime number
- 3 40 across plus 32 down
- 4 Twenty-three times 22 across
- 5 Twice a square
- 6 18 across times 10 down
- 7 Three times a prime number
- 10 38 across minus 24 across
- 11 33 down minus 37 across
- 16 5 down divided by 27 down
- 17 8 across minus 35 down
- 19 11 down plus 18 across
- 20 26 across minus 13 across
- 21 7 down minus 29 down
- 25 18 across plus 35 down
- 27 30 across minus 38 across
- 28 Nineteen times a prime number
- 29 Six times a prime number
- 31 33 down plus 35 down
- 32 37 down plus 27 down
- 33 40 across plus 10 down
- 34 Twice the result of 2 down plus 24 across
- 35 Mean of 27 down and 17 down
- 36 Six times 30 across
- 37 Three-fourths of 3 down

Solution:

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