

CrossFigure - Hard Puzzle # 11

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	43		44	45		46	
47			48						49	

Across

- 1 17 down plus 15 across
- 3 First two digits are the same as 42 down
- 8 6 down minus half of 7 down
- 10 45 down plus 16 down
- 11 Six thousand eight hundred ninety-seven less than 3 across
- 12 Mean of 49 across and 47 across
- 13 3 down plus 38 across
- 14 35 across minus 41 across
- 15 36 down divided by 43 down
- 17 Mean of 17 down and 28 down
- 19 46 across plus 17 across
- 21 Twice a prime number
- 23 47 across minus 29 down
- 25 Twenty-five times 1 across
- 26 4 down plus 10 across
- 27 Mean of 10 across and 19 across
- 28 Half of 21 across, then subtract 19 across
- 32 31 down plus 8 across
- 33 Mean of 26 across and 44 down
- 34 49 across plus 17 down
- 35 Mean of 24 down and 35 down
- 38 Twice the result of 5 down minus 35 across
- 41 15 down plus 4 down
- 42 Thirty-nine times a prime number
- 46 18 down reversed
- 47 29 down plus 15 down
- 48 First two digits are the same as 4 down
- 49 Mean of 44 down and 33 across

Down

- 1 14 across minus 1 across
- 2 42 across minus 3 across
- 3 43 down plus 41 across
- 4 17 down plus 29 down
- 5 13 across minus 49 across
- 6 Mean of 27 across and 41 across
- 7 8 across plus 16 down
- 8 Mean of 19 down and 29 down
- 9 48 across divided by 27 across
- 15 26 across minus 42 down
- 16 33 across minus 6 down
- 17 24 down minus 35 down
- 18 Twice the result of 3 down minus 49 across
- 19 40 down plus 45 down
- 20 38 across minus 6 down
- 22 Half of 13 across, then subtract 8 down
- 23 7 down plus 19 across
- 24 8 across plus 40 down
- 28 27 across minus 47 across
- 29 12 across minus 4 down
- 30 48 across divided by 9 down
- 31 Same as 4 down
- 35 Mean of 20 down and 49 across
- 36 Mean of 22 down and 13 across
- 37 25 across minus 34 across
- 39 Mean of 25 across and 20 down
- 40 Mean of 39 down and 44 down
- 42 18 down plus 41 across
- 43 44 down minus 17 down
- 44 3 down minus 47 across
- 45 Twice the result of 23 down minus 33 across

Solution:

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