

CrossFigure - Hard Puzzle # 13

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						
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	
			50	51		52				53			
54						55				56			

Across

- 1 Two thousand eight hundred forty-eight more than 36 down
- 4 16 across plus 38 across
- 6 Eight times a prime number
- 9 Same as 12 across
- 10 55 across minus 38 across
- 11 15 across plus 50 across
- 12 55 across minus 15 across
- 14 Mean of 48 across and 12 across
- 15 Mean of 31 across and 34 across
- 16 27 down minus half of 26 down
- 17 4 across times 53 down
- 18 29 down minus 48 across
- 19 15 across plus 30 down
- 20 Mean of 46 across and 52 across
- 21 A square
- 22 21 across minus 34 across
- 24 9 across plus 52 across
- 26 14 across plus 53 across
- 28 Mean of 26 across and 18 across
- 31 Mean of 47 across and 4 across
- 32 16 across plus 14 across
- 34 24 across minus 50 across
- 35 20 across plus half of 50 across
- 37 21 across plus 29 down
- 38 30 down minus 14 across
- 40 Twenty-two times a prime number
- 42 Mean of 52 across and 50 across
- 44 One thousand forty-two less than 24 down
- 46 Mean of 25 down and 27 down
- 47 15 down divided by 37 across
- 48 16 across minus 47 across
- 49 45 down divided by 11 across
- 50 A square
- 52 20 across minus 48 across
- 53 18 across plus 14 across
- 54 42 across plus half of 41 down
- 55 9 across plus 30 down
- 56 40 across times 51 down

Down

- 1 Mean of 6 across and 52 across
- 2 Mean of 44 across and 32 across
- 3 53 down minus 16 across
- 4 Last two digits are the same as 50 across
- 5 Three thousand ninety-three more than 39 down
- 6 20 across minus 18 across
- 7 Mean of 36 down and 3 down
- 8 Forty-six times a prime number
- 13 Mean of 24 down and 46 across
- 15 29 down times 26 across
- 23 One hundred three less than 24 down
- 24 Four times a prime number
- 25 42 across plus 52 across
- 26 21 across minus 16 across
- 27 31 across plus 16 across
- 28 42 across plus 47 across
- 29 12 across reversed
- 30 46 across minus 42 across
- 33 24 across times 25 down
- 36 Eleven times a prime number
- 37 A prime number
- 38 Four thousand six more than 37 down
- 39 Twice a prime number
- 41 Eighteen times a prime number
- 43 1 across minus 23 down
- 45 Fifty-eight times 15 across
- 51 22 across minus 47 across
- 53 46 across minus 47 across

Solution:

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