

## CrossFigure - Hard Puzzle #5

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	44	
45					46		47		48		49
50				51						52	

**Across**

- 1 42 down minus 47 down
- 3 38 across times 27 down
- 7 14 down minus 10 down
- 9 One thousand two hundred sixty-eight less than 11 down
- 12 46 down times 44 down
- 13 Ninety-eight times 52 across
- 15 40 across plus 42 down
- 16 38 across plus 27 down
- 17 Mean of 42 down and 29 across
- 19 Mean of 31 down and 1 across
- 21 Two thousand fifteen more than 3 across
- 23 2 down plus half of 8 down
- 26 Four thousand eight hundred ninety-seven more than 33 down
- 28 Twice a prime number
- 29 33 down divided by 1 across
- 30 Twice the result of 21 across minus 34 down
- 32 Eighty-two times a prime number
- 35 Mean of 32 across and 13 across
- 38 46 down plus 14 down
- 39 Mean of 16 across and 1 down
- 40 Mean of 20 down and 10 down
- 43 Mean of 12 across and 50 across
- 45 Eleven times a prime number
- 46 39 across minus 8 down
- 48 9 across minus 28 across
- 50 39 across minus 5 down
- 51 Twenty-seven times a prime number
- 52 43 across minus 30 down

**Down**

- 1 Mean of 14 down and 4 down
- 2 First two digits are the same as first two digits of 17 across
- 4 Mean of 14 down and 46 down
- 5 15 across minus 16 across
- 6 18 down divided by nine
- 7 Four times a prime number
- 8 Mean of 45 down and 41 down
- 10 40 across minus 43 across
- 11 Twenty-one times a prime number
- 13 Thirteen times a square
- 14 42 down minus 49 down
- 18 3 across divided by sixty
- 20 22 down minus 21 down
- 21 Thirty-one times a prime number
- 22 Ten times a square
- 24 7 down plus 19 across
- 25 Twice the result of 51 across minus 5 down
- 27 42 down plus 7 across
- 30 Mean of 1 across and 16 across
- 31 Nine times 14 down
- 33 Seventy-two times a prime number
- 34 A prime number
- 36 Three times a prime number
- 37 A prime number
- 41 17 across minus half of 18 down
- 42 18 down minus 5 down
- 44 46 across minus 52 across
- 45 7 across minus 46 down
- 46 1 across minus 8 down
- 47 43 across divided by seven
- 49 26 across divided by 45 across

**Solution:**

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