

# CrossFigure - Hard Puzzle #49

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
		50		51	52		53			54		
				55								

**Across**

- 3 Twice a prime number
- 10 49 down times 2 down
- 11 6 down plus 52 down
- 12 23 down minus half of 1 down
- 14 A prime number
- 16 Its digits total 52 down
- 18 Five times 38 down
- 19 Seven thousand ninety-six less than 14 across
- 21 Half of 45 down, then subtract 27 across
- 23 15 down minus half of 22 down
- 25 A prime number
- 27 A prime number
- 28 42 down plus half of 9 down
- 29 36 down minus 19 across
- 31 23 down minus 29 across
- 32 13 down minus 40 across
- 34 Half of 48 across, then subtract 44 down
- 36 Four times a prime number
- 40 14 down minus 21 across
- 41 Mean of 3 across and 8 down
- 43 Eleven thousand three hundred seventy-nine less than 14 across
- 46 Mean of 22 down and 12 across
- 48 49 down minus 28 across
- 51 Last two digits are the same as 34 across
- 55 25 down times 35 down

**Down**

- 1 Four times a prime number
- 2 8 down plus 25 across
- 3 Last two digits are the same as last two digits of 5 down
- 4 Half of 37 down, then subtract 11 across
- 5 54 down times 38 down
- 6 16 down minus 40 down
- 7 50 down plus half of 43 across
- 8 11 across minus 40 down
- 9 52 down times 6 down
- 11 40 down plus 44 down
- 13 Half of 24 down, then subtract 47 down
- 14 33 down plus half of 40 down
- 15 Mean of 29 across and 16 down
- 16 Mean of 53 down and 11 down
- 17 Half of 11 down
- 18 Twice the result of 32 across plus 17 down
- 20 Last two digits are the same as 30 down
- 22 Two-fifths of 9 down
- 23 9 down minus 30 down
- 24 37 down plus 26 down
- 25 27 across plus 6 down
- 26 Two hundred thirty-eight less than 45 down
- 30 Sum of digits in 14 across
- 33 A square
- 35 34 across plus 25 across
- 36 First two digits are the same as 48 across
- 37 Mean of 18 down and 18 across
- 38 14 down divided by five
- 39 Mean of 20 down and 6 down
- 40 50 down minus 35 down
- 42 34 across plus 23 across
- 44 A square
- 45 16 down times 30 down
- 47 Five times a prime number
- 49 28 across plus 31 across
- 50 29 across minus 16 down
- 52 Mean of 23 across and 6 down
- 53 33 down minus 42 down
- 54 13 down minus 32 across

**Solution:**

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