

# CrossFigure - Challenging Puzzle #50

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	

**Across**

- 1 29 across divided by 21 across
- 3 Seventy times a prime number
- 5 4 down minus 22 across
- 6 41 down minus 17 down
- 9 Mean of 27 across and 9 down
- 11 46 across minus 47 down
- 12 40 down plus 48 across
- 13 31 down times 32 across
- 15 24 down times 36 across
- 17 Mean of 30 down and 31 down
- 19 A square
- 21 17 down minus 32 down
- 22 28 down minus 42 across
- 23 32 across minus 36 across
- 25 26 down minus half of 28 down
- 27 16 down divided by five
- 29 Nine times 5 down
- 32 13 across divided by 5 down
- 34 30 down minus 17 down
- 35 42 across minus 14 down
- 36 Mean of 1 across and 34 across
- 37 9 down plus 43 down
- 40 A prime number
- 42 Mean of 31 down and 4 down
- 44 Eight times a prime number
- 45 20 down times 19 across
- 46 26 down minus 35 across
- 48 25 across plus 32 down
- 49 First three digits are the same as 34 down
- 50 29 across divided by 1 across

**Down**

- 2 42 across minus 34 down
- 4 22 down plus 18 down
- 5 38 down minus 9 down
- 7 11 across plus 41 down
- 8 7 down minus 41 down
- 9 38 down minus 31 down
- 10 Twice the result of 14 down plus 21 across
- 14 40 down minus 42 across
- 16 49 across minus half of 3 across
- 17 50 across plus 32 down
- 18 Mean of 33 down and 34 across
- 19 9 down minus 24 down
- 20 25 across minus 17 across
- 21 Half of 44 across, then subtract 42 across
- 22 Mean of 6 across and 19 down
- 24 33 down plus 19 across
- 26 41 down minus 23 across
- 28 29 across plus 10 down
- 30 35 across minus 50 across
- 31 2 down plus 34 across
- 32 20 down plus 18 down
- 33 A cube
- 34 Its digits total 34 across
- 38 21 down plus 25 across
- 39 44 across minus 1 across
- 40 Mean of 26 down and 23 across
- 41 Forty-eight times 34 across
- 43 7 down plus 36 across
- 45 4 down minus 10 down
- 47 18 down plus 32 down

**Solution:**

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