

# CrossFigure - Hard Puzzle #26

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	

**Across**

- 1 Mean of 19 across and 6 down
- 4 37 down divided by 40 across
- 6 Twice the result of 46 across minus 18 across
- 7 Twice a prime number
- 9 7 across minus 10 down
- 12 42 across minus 27 across
- 13 6 down minus 28 across
- 15 5 down minus 42 across
- 17 8 down minus 21 down
- 18 6 down minus 51 across
- 19 15 across minus 28 across
- 22 30 across plus 42 across
- 24 Eleven times 19 across
- 25 46 down minus 50 across
- 27 31 down divided by 36 across
- 28 Mean of 13 across and 2 down
- 30 21 down minus 45 across
- 31 5 down minus 40 down
- 32 15 across plus half of 24 across
- 34 22 across plus half of 40 down
- 36 52 across plus 28 across
- 38 A square
- 40 5 down minus 51 across
- 42 38 across minus 43 across
- 43 40 across minus 46 across
- 45 A square
- 46 18 across plus 21 down
- 47 16 down times 42 across
- 48 3 down times 49 down
- 50 A square
- 51 6 across minus 28 across
- 52 17 across minus 51 across

**Down**

- 2 Mean of 43 across and 6 across
- 3 48 across divided by 50 across
- 5 28 down plus 14 down
- 6 42 across plus 33 down
- 8 36 across plus 13 down
- 10 Sixteen times 51 across
- 11 A cube
- 13 38 across minus 2 down
- 14 6 across plus 33 down
- 16 Fifty-seven times 35 down
- 20 Mean of 31 across and 40 down
- 21 47 down minus 1 across
- 23 Mean of 27 down and 21 down
- 24 8 down times 35 down
- 26 Four times a prime number
- 27 37 down plus 15 across
- 28 37 down divided by 40 across
- 29 39 down minus 38 across
- 31 Sixty-three times 50 across
- 33 Half of 20 down, then subtract 12 across
- 35 28 across minus 12 across
- 37 52 across times 40 across
- 39 20 down plus 27 across
- 40 Mean of 40 across and 46 across
- 41 5 down minus 28 down
- 42 26 down minus 44 down
- 44 Ten times 18 across
- 46 49 down plus 25 across
- 47 43 across plus 6 across
- 49 A square

**Solution:**

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