

# CrossFigure - Hard Puzzle # 16

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				53		54		55
		56						57				

**Across**

- 2 41 down plus 56 across
- 5 6 down plus 32 across
- 9 A prime number
- 11 Ninety-seven times a prime number
- 13 Sixty-seven times 13 down
- 15 33 across plus 2 down
- 16 46 down minus 49 down
- 18 47 across divided by 51 down
- 20 Half of 3 down, then subtract 17 down
- 22 A square
- 23 Eighteen times a prime number
- 25 Mean of 15 down and 4 down
- 28 Mean of 45 down and 25 across
- 29 Mean of 34 across and 39 across
- 32 Mean of 43 down and 49 down
- 33 15 down minus 2 down
- 34 Twice the result of 41 down minus 27 down
- 36 57 across times 53 down
- 38 2 across divided by 44 across
- 39 7 down plus 32 across
- 41 5 across minus 30 down
- 42 A cube
- 44 2 down minus 16 across
- 47 Sixty-nine times 15 across
- 50 A prime number
- 53 Last two digits are the same as 1 down
- 56 2 across minus 30 down
- 57 13 across divided by five

**Down**

- 1 A square
- 2 29 across minus 38 across
- 3 52 down times 2 down
- 4 44 across plus 40 down
- 5 23 across minus 26 down
- 6 Six times a prime number
- 7 Half of 28 down, then subtract 42 across
- 8 13 across minus 6 down
- 10 Mean of 1 down and 4 down
- 12 21 down minus 54 down
- 13 5 down minus 21 down
- 14 28 across minus 54 down
- 15 31 down plus half of 2 down
- 17 Mean of 33 across and 16 across
- 19 Twice the result of 39 across minus 29 across
- 21 Mean of 25 across and 28 across
- 22 Eighty-three times 12 down
- 23 Fifty-six times 43 down
- 24 Eight times a prime number
- 26 Seventy-five times 29 across
- 27 53 down plus 14 down
- 28 38 across plus 31 down
- 30 43 down plus 38 across
- 31 28 down minus 13 down
- 35 52 down plus 22 across
- 37 Mean of 32 across and 13 down
- 40 31 down minus 33 across
- 41 25 across plus 7 down
- 43 7 down plus 29 across
- 44 Mean of 51 down and 12 down
- 45 Mean of 21 down and 39 across
- 46 32 across plus 40 down
- 48 Twice the result of 11 across minus 53 across
- 49 2 down plus 37 down
- 50 21 down minus 33 across
- 51 31 down minus 37 down
- 52 31 down minus 29 across
- 53 Mean of 16 across and 10 down
- 54 4 down minus 40 down
- 55 23 across minus 26 down

**Solution:**

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