

CrossFigure - Hard Puzzle #25

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	

Across

- 1 Mean of 35 across and 11 down
- 2 35 across minus 11 down
- 3 Mean of 22 down and 43 across
- 5 Mean of 19 across and 14 down
- 7 37 down plus half of 24 down
- 9 Mean of 35 across and 33 across
- 10 29 down plus 3 across
- 11 13 down minus 43 across
- 12 1 down divided by 22 down
- 15 33 across reversed
- 17 9 across minus 22 down
- 18 Seventy-four times 31 across
- 19 Mean of 9 across and 40 across
- 23 Mean of 3 across and 41 across
- 25 20 down minus 21 down
- 29 Mean of 22 down and 43 across
- 31 9 across minus 15 across
- 32 One thousand three hundred thirty-one more than 12 across
- 33 Mean of 1 across and 9 across
- 35 Three times 40 across
- 36 31 across reversed
- 39 30 down minus 13 down
- 40 17 across minus half of 2 across
- 41 Mean of 13 down and 42 across
- 42 Twice the result of 41 across minus 3 across
- 43 26 down minus 21 down

Down

- 1 11 across times 12 across
- 2 Eight times a prime number
- 4 11 across times 1 across
- 6 Mean of 25 down and 28 down
- 7 Five times a prime number
- 8 Thirty-four times a prime number
- 11 34 down divided by 2 down
- 13 Mean of 2 across and 24 down
- 14 Mean of 22 down and 24 down
- 16 9 across minus 11 across
- 17 32 across plus half of 43 across
- 20 Five times a prime number
- 21 43 across minus 31 across
- 22 4 down divided by 1 across
- 24 10 across plus 11 across
- 25 Thirty-seven times a prime number
- 26 19 across plus 40 across
- 27 Mean of 24 down and 43 across
- 28 Fifty-nine times a prime number
- 29 10 across minus 29 across
- 30 Eighty-three times a square
- 34 Eight hundred five more than 7 down
- 37 Twenty-nine times 40 across
- 38 18 across divided by 15 across

Solution:

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