

CrossFigure - Hard Puzzle #44

This puzzle is like a crossword, but with numbers. Each digit occupies a square and can be 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	

Across

- 1 Mean of 29 across and 36 down
- 3 Mean of 13 down and 26 across
- 5 13 across plus 21 across
- 7 19 across plus 20 down
- 9 Half of 18 down, then subtract 17 across
- 11 37 down minus 40 across
- 12 Twice the result of 10 down minus 38 across
- 13 27 across minus 10 down
- 15 Mean of 11 across and 29 down
- 17 36 down plus 27 across
- 19 Mean of 29 down and 13 down
- 21 Half of 28 across
- 22 8 down times 15 across
- 23 30 down minus 37 down
- 24 31 down divided by 21 across
- 25 Twice a prime number
- 26 34 down plus 31 across
- 27 A square
- 28 3 down minus 11 across
- 29 Mean of 38 across and 27 across
- 31 29 down plus 20 down
- 33 Twice a prime number
- 35 Thirty-two times a prime number
- 38 11 across minus 8 down
- 39 23 across times 11 across
- 40 17 across minus 1 across

Down

- 1 29 down minus 13 across
- 2 39 across divided by 23 across
- 3 Twice 5 across
- 4 Mean of 13 across and 7 across
- 5 24 across plus 22 down
- 6 Mean of 28 across and 29 down
- 8 17 across minus 27 across
- 10 31 down divided by twenty
- 13 Eight times a prime number
- 14 Six times 19 across
- 15 Six times a prime number
- 16 Half of 17 down, then subtract 5 across
- 17 First two digits are the same as 17 across
- 18 Seventy-three times 21 across
- 20 22 down minus 8 down
- 22 Mean of 13 across and 37 down
- 29 Twice the result of 27 across minus 33 down
- 30 Its digits total 34 down
- 31 Twenty times 12 across
- 32 40 across plus half of 11 across
- 33 Mean of 1 across and 40 across
- 34 Mean of 1 down and 8 down
- 36 29 down minus 1 across
- 37 20 down plus 21 across

Solution:

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