

CrossFigure - Challenging Puzzle #42

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					

Across

- 2 26 across plus half of 34 across
- 4 Twice a prime number
- 6 26 across minus 9 across
- 8 Mean of 32 down and 29 across
- 9 18 across minus 11 down
- 10 Half of 19 across, then subtract 17 across
- 12 A square
- 13 Four times a prime number
- 14 A square
- 17 37 down plus 11 down
- 18 A prime number
- 19 2 across minus 6 across
- 21 1 down times 37 across
- 22 A prime number
- 23 Mean of 26 across and 21 across
- 24 41 across minus 22 across
- 25 19 down reversed
- 26 35 across minus 36 across
- 28 Mean of 39 down and 6 across
- 29 16 down divided by 4 across
- 30 31 down times 6 across
- 34 32 down plus 10 across
- 35 18 across plus 11 down
- 36 Three times a prime number
- 37 A prime number
- 38 25 across minus half of 14 across
- 40 36 across times 39 down
- 41 Six times a prime number

Down

- 1 36 across divided by three
- 3 Twelve times a prime number
- 4 9 across plus 23 across
- 5 A cube
- 7 Five thousand four hundred fifty more than 27 down
- 8 A prime number
- 11 A square
- 15 Twenty-two times 31 down
- 16 Thirty times a prime number
- 19 25 across reversed
- 20 Mean of 19 down and 5 down
- 24 Seven thousand four hundred twenty-seven more than 13 across
- 27 Mean of 24 down and 28 across
- 31 Nine times a prime number
- 32 Three times 6 across
- 33 7 down minus half of 15 down
- 37 13 across minus 8 down
- 39 Mean of 37 down and 36 across

Solution:

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