

CrossFigure - Challenging Puzzle #7

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
32			33				34	
35						36		

Across

- 1 28 down plus 22 down
- 4 Twice a prime number
- 7 A square
- 8 Three times a prime number
- 11 Mean of 28 down and 25 across
- 12 31 down divided by 7 across
- 13 A palindrome
- 14 Mean of 16 across and 21 down
- 15 18 down plus 25 across
- 16 7 across minus 32 across
- 17 18 down minus 16 across
- 22 27 across minus 25 across
- 23 A prime number
- 25 26 down minus 1 across
- 27 Mean of 17 across and 18 down
- 28 A prime number
- 30 7 across minus 32 across
- 32 3 down divided by 22 across
- 33 Sixty-six times a prime number
- 34 Half of 4 across, then subtract 33 across
- 35 Mean of 5 down and 11 across
- 36 Sixty-eight times 23 across

Down

- 1 16 across plus 27 down
- 2 Thirty-five times 19 down
- 3 31 down minus 15 across
- 4 28 across minus 19 down
- 6 25 across times 20 down
- 9 A prime number
- 10 4 down minus 20 down
- 18 Mean of 25 across and 7 across
- 19 15 across minus half of 30 across
- 20 Mean of 27 across and 23 across
- 21 23 down divided by six
- 22 Thirteen times a prime number
- 23 Six times 30 across
- 24 36 across minus 29 down
- 26 Thirteen times a prime number
- 27 1 down minus 14 across
- 28 Twice the result of 28 across minus 9 down
- 29 Three times a prime number
- 31 7 across times 34 across

Solution:

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