

Cross Figure - Beginner Puzzle #31

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	1								2	6	
3			4	5	7	6	7		8	7	
			9							7	
	10			11					12		
13	1	9	14	15			16	9	6	18	
19	6	2					20	4		2	
				21	4	22					
23			24	3	7		25	9		26	1
27			28				4		29		
											4

Across

- 3 A square
- 4 All digits are the same
- 8 Half of 17 down
- 9 Half of 12 down, then subtract 6 down
- 11 26 down minus 27 across
- 13 A prime number
- 16 Sixty-nine times a prime number
- 19 Thirteen times a square
- 20 Twice a prime number
- 21 26 down minus 16 down
- 24 A prime number
- 27 18 down minus 4 down
- 28 15 down times 8 across
- 29 Mean of 14 down and 4 down

Down

- 1 Mean of 22 down and 29 across
- 2 16 across minus 19 across
- 4 Mean of 3 across and 7 down
- 5 13 across minus half of 20 across
- 6 Twenty-three times a prime number
- 7 Mean of 16 down and 17 down
- 10 Mean of 24 across and 4 down
- 12 Twice a prime number
- 13 A square
- 14 A square
- 15 Mean of 23 down and 29 across
- 16 11 across minus 27 across
- 17 Mean of 3 across and 23 down
- 18 23 down minus half of 3 across
- 21 Eleven times a prime number
- 22 Eight times 24 down
- 23 1 down minus 21 across
- 24 Mean of 27 across and 8 across
- 25 Mean of 3 across and 23 down
- 26 1 down minus 16 down

Solution:

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