

Cross Figure - Challenging Puzzle #30

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	

Across

- 1 19 across minus 3 down
- 4 A prime number
- 5 Thirty-five times a prime number
- 8 Thirty-five times a prime number
- 9 Consecutive digits unordered
- 11 Twenty-two times 18 across
- 12 Six times a prime number
- 14 Four times a prime number
- 18 Sum of digits in 16 across
- 19 10 down divided by seven

Down

- 2 Forty-three times 3 down
- 3 A prime number
- 4 A prime number
- 6 Twenty-two times a prime number
- 7 5 across plus 9 across
- 8 12 across plus 14 across
- 10 Twice the result of 8 across minus 11 across
- 13 Mean of 4 down and 17 down
- 15 Eight times a prime number
- 17 Three times a square

Solution:

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