

CrossFigure - Intermediate Puzzle #18

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		

Across

- 1 Mean of 19 across and 17 down
- 4 Mean of 15 down and 3 down
- 7 20 across plus 4 down
- 8 A prime number
- 9 Twice a prime number
- 11 Five times 12 across
- 12 A square
- 14 13 down minus 1 down
- 16 Same as 13 down
- 18 One hundred sixteen less than 16 across
- 19 Twice the result of 14 down minus 18 across
- 20 Three times a prime number

Down

- 1 Mean of 1 across and 2 down
- 2 Twenty-eight times a prime number
- 3 A prime number
- 4 Twice the result of 8 across minus 4 across
- 5 Six times a prime number
- 6 Five times 9 across
- 10 Mean of 12 down and 3 down
- 12 A square
- 13 15 down minus 6 down
- 14 Sixty-two times 12 across
- 15 16 across plus 6 down
- 17 Consecutive digits in descending order
- 18 5 down minus 14 across

Solution:

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