

CrossFigure - Challenging Puzzle #21

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	

Across

- 1 22 across minus 21 across
- 3 Same as 12 across
- 7 Eleven times a prime number
- 10 Twice the result of 11 down minus 17 across
- 12 1 across plus 22 across
- 13 Mean of 19 down and 14 across
- 14 18 down minus 5 down
- 15 Thirteen times a prime number
- 17 Forty-two times a prime number
- 21 Three times a prime number
- 22 Mean of 21 across and 12 across

Down

- 1 Mean of 15 down and 20 down
- 2 10 down divided by 7 across
- 4 5 down plus 20 down
- 5 1 across plus 6 down
- 6 Half of 14 across
- 8 Ninety-nine times a prime number
- 9 Mean of 8 down and 15 across
- 11 A prime number
- 15 16 down plus 1 down
- 16 Twice the result of 4 down minus 3 across
- 18 A prime number
- 19 Twice a prime number
- 20 5 down plus 16 down

Solution:

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