

CrossFigure - Challenging Puzzle #10

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			
				23					
		24				25			

Across

- 1 Mean of 23 across and 18 across
- 2 A prime number
- 5 8 down minus 1 across
- 7 9 across plus 25 across
- 9 Three times a prime number
- 10 8 down minus 23 across
- 11 Twice the result of 18 down plus 10 across
- 12 A square
- 14 11 across minus 5 across
- 16 17 down minus 2 across
- 18 Half of 12 across, then subtract 9 down
- 21 6 down plus half of 16 across
- 22 Five times a square
- 23 14 across minus 5 across
- 24 4 down divided by 23 across
- 25 17 down plus 1 across

Down

- 1 Its digits total 5 across
- 3 Fifty-four times a prime number
- 4 Twenty times a prime number
- 6 Eighty-nine times 2 across
- 8 17 down minus 14 across
- 9 14 across minus 23 across
- 12 1 across plus 13 down
- 13 2 across plus 8 down
- 15 A prime number
- 16 15 down plus half of 19 down
- 17 11 across plus 1 across
- 18 13 down minus 8 down
- 19 Eighty-two times a prime number
- 20 3 down minus 22 across

Solution:

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