

CrossFigure - Challenging Puzzle #33

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:

1. "Words" may not start with a zero.
2. "Words" read from left to right and top to bottom.
3. There is one unique solution which satisfies all the clues given below.
4. 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	

Across

- 1 2 down plus 3 down
- 4 17 down plus half of 16 down
- 6 13 across minus 21 down
- 8 A cube
- 11 Seventy-four times a prime number
- 13 Twice the result of 1 across minus 19 across
- 14 Consecutive digits unordered
- 15 A cube
- 16 Mean of 10 down and 3 down
- 18 20 down plus 8 across
- 19 Mean of 16 down and 15 across
- 23 Mean of 4 across and 9 down
- 24 23 across minus 6 down

Down

- 2 Mean of 4 down and 6 across
- 3 4 down minus 6 down
- 4 1 across minus 8 across
- 5 One thousand six hundred four less than 10 down
- 6 9 down minus 15 across
- 7 Seventy-eight times a prime number
- 8 Mean of 5 down and 20 down
- 9 8 across plus 19 across
- 10 Eight thousand six hundred eighty-nine more than 7 down
- 12 7 down divided by 9 down
- 16 3 down minus 22 down
- 17 6 down reversed
- 20 13 across minus 8 across
- 21 Mean of 9 down and 15 across
- 22 18 across minus 21 down

Solution:

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