

CrossFigure - Hard Puzzle #9

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	26		27				28		29	30
31			32	33		34			35	
36						37				

Across

- 5 Sixteen thousand two hundred forty-four more than 11 across
- 7 Four-fifths of 37 across
- 10 21 across minus 15 down
- 11 Twice the result of 32 across plus 23 down
- 13 Mean of 22 down and 10 across
- 14 Ten times a prime number
- 16 26 down plus half of 24 down
- 18 A prime number
- 19 Half of 5 down, then subtract 28 down
- 20 3 down minus 21 across
- 21 19 across plus 13 across
- 25 Rearranged digits of 16 across
- 28 Twenty-two times a prime number
- 31 33 down minus 22 down
- 32 Six times a prime number
- 35 36 across minus 1 down
- 36 First two digits are the same as first two digits of 2 down
- 37 34 down times 35 across

Down

- 1 Six times a prime number
- 2 Half of 34 down, then subtract 15 down
- 3 Seven times a prime number
- 4 9 down plus half of 29 down
- 5 12 down plus 13 across
- 6 Twice the result of 27 down plus 18 across
- 8 Nine times 10 across
- 9 A prime number
- 12 22 down plus 25 down
- 15 35 across minus 31 across
- 17 Twice the result of 12 down minus 25 down
- 22 Mean of 24 down and 15 down
- 23 34 down plus 22 down
- 24 34 down divided by three
- 25 Thirteen times a prime number
- 26 A prime number
- 27 Mean of 30 down and 21 across
- 28 Twenty times a prime number
- 29 Six times a prime number
- 30 31 across plus 33 down
- 33 Mean of 30 down and 22 down
- 34 36 across divided by 22 down

Solution:

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