

CrossFigure - Hard Puzzle #22

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						38				

Across

- 1 37 across minus 33 across
- 4 Eight times a prime number
- 8 Twelve times a prime number
- 10 13 across minus 11 across
- 11 17 down plus 5 down
- 13 24 across plus 21 across
- 14 Thirty-two times a prime number
- 16 15 down divided by 35 down
- 18 14 across plus 5 down
- 19 A prime number
- 21 18 across minus 19 across
- 22 28 across minus 26 across
- 23 36 across plus 23 down
- 24 Rearranged digits of 32 down
- 26 Four times a prime number
- 28 Mean of 18 across and 5 down
- 30 9 down plus half of 26 across
- 31 Mean of 1 down and 35 down
- 33 Ten more than 35 down
- 36 1 down divided by 3 down
- 37 Fifty-nine times a prime number
- 38 Three thousand four hundred fifty-one less than 37 across

Down

- 1 Mean of 9 down and 22 across
- 2 Thirty-seven times a prime number
- 3 Half of 4 across, then subtract 38 across
- 5 10 across minus 36 across
- 6 Three times a prime number
- 7 20 down minus 33 across
- 9 13 down plus 10 across
- 12 18 across minus 24 across
- 13 13 across minus 3 down
- 15 Eighty-four times a prime number
- 16 23 across times 22 across
- 17 32 down minus 8 across
- 20 28 across minus 21 across
- 23 Thirty-three times a prime number
- 25 Twice the result of 27 down minus 24 across
- 26 Eleven times a prime number
- 27 7 down plus 17 down
- 29 26 down plus half of 12 down
- 30 30 across plus 35 down
- 32 One hundred twenty-three less than 13 across
- 34 13 down divided by 36 across
- 35 22 across minus 36 across

Solution:

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