

Cross Figure - Challenging Puzzle #37

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								25		
			26							
	27							28	29	
30			31		32		33		34	35

Across

- 6 19 across minus 23 across
- 8 26 across minus 4 down
- 9 27 across minus 7 down
- 10 Mean of 27 down and 28 across
- 11 Twice the result of 26 across minus 8 across
- 13 Seven times a prime number
- 17 21 across plus 18 down
- 19 9 down plus 27 across
- 21 27 down minus 28 across
- 22 Three thousand seven hundred seventy-one less than 13 across
- 23 19 across minus 30 down
- 24 Three times a prime number
- 25 Mean of 24 across and 3 down
- 26 Twenty-four times a prime number
- 27 7 down plus 5 down
- 28 Mean of 27 across and 23 across
- 30 Twice the result of 20 down minus 10 across
- 31 Eighteen thousand forty-six more than 22 across
- 34 20 down minus 10 across

Down

- 1 Two-thirds of 32 down
- 2 Twice the result of 5 down plus 4 down
- 3 Mean of 33 down and 32 down
- 4 29 down divided by four
- 5 27 down minus 3 down
- 7 2 down minus 4 down
- 9 Half of 27 across, then subtract 9 across
- 12 Eight times a prime number
- 14 31 across minus 12 down
- 15 Half of 22 across, then subtract 19 across
- 16 Mean of 13 across and 33 down
- 18 17 across minus 1 down
- 20 25 across minus 30 across
- 27 28 across plus 35 down
- 29 23 across plus 28 across
- 30 Twice the result of 6 across minus 34 across
- 31 Mean of 28 across and 29 down
- 32 Mean of 34 across and 31 down
- 33 19 across minus 5 down
- 35 17 across minus 18 down

Solution:

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