

Cross Figure - Challenging Puzzle #42

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			

Across

- 1 25 down plus half of 30 across
- 4 Eleven times a prime number
- 7 12 down divided by thirty
- 8 21 across minus 6 down
- 11 A square
- 14 A prime number
- 17 A prime number
- 19 26 down plus 12 down
- 20 Twice the result of 14 across minus 11 across
- 21 Twice the result of 4 across minus 17 across
- 26 27 across divided by three
- 27 28 down reversed
- 29 1 down times 18 down
- 30 One thousand six hundred seventy-eight more than 13 down

Down

- 1 29 across divided by 16 down
- 2 Half of 13 down, then subtract 9 down
- 3 Thirty-four times a prime number
- 4 Ten times a square
- 5 Seven times a prime number
- 6 Same as 26 down
- 9 1 down plus 17 across
- 10 3 down times 26 across
- 12 19 across minus 6 down
- 13 Six times a prime number
- 15 21 across minus 28 down
- 16 1 down plus 17 down
- 17 18 down minus 1 down
- 18 Same as 16 down
- 22 4 down plus half of 24 down
- 23 Eleven times a prime number
- 24 Eight times a prime number
- 25 Four times a prime number
- 26 21 across minus 8 across
- 28 23 down minus 5 down

Solution:

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