

Cross Figure - Challenging Puzzle #8

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				

Across

- 2 Six times a prime number
- 6 Four times a prime number
- 7 Mean of 1 down and 14 down
- 9 16 down plus 5 down
- 11 A square
- 13 2 down plus 5 down
- 15 Twice the result of 9 across plus 12 down
- 17 Fifteen times a prime number

Down

- 1 Seventy-eight less than 13 down
- 2 5 down plus 14 down
- 3 5 down minus 16 down
- 4 3 down plus half of 6 across
- 5 A cube
- 8 Twice the result of 11 across minus 10 down
- 10 One hundred forty-four less than 6 across
- 11 Thirty-four more than 8 down
- 12 Seven times a prime number
- 13 Twenty-five times a prime number
- 14 17 across plus 15 across
- 16 Twice the result of 11 down minus 13 down

Solution:

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