

CrossFigure - Challenging 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:

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 Eighty-five times 12 across
- 3 Fifteen times a prime number
- 6 25 across plus 8 across
- 8 24 across plus 10 across
- 9 Mean of 5 down and 6 across
- 10 25 down minus 21 down
- 12 22 across minus 5 down
- 13 Mean of 3 across and 20 down
- 15 11 down plus 24 across
- 16 25 down minus 8 across
- 18 Ninety-four times a prime number
- 21 Mean of 6 across and 11 down
- 22 Mean of 6 across and 4 down
- 24 Mean of 28 down and 26 down
- 25 1 down minus 24 across
- 27 13 down divided by 12 across
- 29 Five times a prime number
- 30 1 across plus 2 down

Down

- 1 11 down minus 24 across
- 2 25 down plus 8 across
- 4 Five times 24 across
- 5 A prime number
- 6 29 across minus 15 across
- 7 8 across plus 17 down
- 8 Mean of 4 down and 12 across
- 11 Mean of 1 down and 15 across
- 13 Forty-five times a prime number
- 14 Mean of 18 across and 16 across
- 17 A square
- 19 23 down minus 22 across
- 20 Twenty-nine times 26 down
- 21 Mean of 4 down and 12 across
- 23 10 across times 25 across
- 25 10 across plus 8 down
- 26 23 down divided by 8 down
- 28 4 down minus 21 across

Solution:

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