

# CrossFigure - Challenging Puzzle #36

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							

**Across**

- 2 Four thousand five hundred five less than 29 across
- 8 A square
- 9 First two digits are the same as 8 across
- 10 21 down minus 18 across
- 11 Half of 28 across, then subtract 26 down
- 12 Thirty-eight times 25 across
- 13 Twice the result of 14 down minus 4 down
- 18 21 across minus 26 down
- 20 Half of 10 across
- 21 21 down minus 25 across
- 23 24 down divided by 13 across
- 25 A prime number
- 26 Seven thousand four hundred sixty-four less than 9 across
- 28 13 across plus 6 down
- 29 Fifteen times a square

**Down**

- 1 12 across minus half of 3 down
- 2 21 down minus 21 across
- 3 Mean of 16 down and 21 down
- 4 14 down minus 20 across
- 5 29 across divided by 27 down
- 6 Twice the result of 22 down minus 16 down
- 7 Six times 20 down
- 14 Four times a prime number
- 16 Thirty-seven times 20 across
- 17 8 across plus half of 7 down
- 19 Its digits total 20 across
- 20 Mean of 18 across and 2 down
- 21 15 down divided by 21 across
- 22 Consecutive digits in descending order
- 24 23 across times 10 across
- 26 Mean of 2 down and 23 across
- 27 Mean of 8 across and 28 across

**Solution:**

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