

Difficulty: ★★☆☆☆

CrossFigure - Challenging Puzzle #45

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	18			19			20	
21				22			23	
				24				
	25	26			27	28	29	
30				31		32		33
34						35		

Across

- 1 Mean of 16 down and 25 across
- 4 Seventy-six times 9 across
- 8 Twice the result of 28 down minus 18 down
- 9 30 across divided by 19 across
- 10 25 down minus 8 across
- 11 Three times 20 across
- 12 A square
- 14 32 across minus 12 across
- 17 20 across minus 14 across
- 19 10 across minus 33 down
- 20 35 across divided by 12 across
- 21 Mean of 30 down and 31 across
- 22 Mean of 9 across and 21 across
- 23 Mean of 20 across and 27 across
- 24 20 down plus 22 across
- 25 Forty times a prime number
- 27 A prime number
- 30 20 down plus 3 down
- 31 34 across divided by 11 across
- 32 Mean of 30 across and 19 across
- 34 Last two digits are the same as 20 across
- 35 Twice the result of 4 across plus 14 down

Down

- 1 A square
- 2 Seven times a prime number
- 3 Mean of 2 down and 20 across
- 5 Mean of 14 across and 6 down
- 6 Six times a prime number
- 7 Same as 24 across
- 13 Twice the result of 15 down plus 23 across
- 14 Seven hundred fifty-two more than 15 down
- 15 Twenty-two times a prime number
- 16 Ten times a prime number
- 18 33 down minus 19 across
- 20 Mean of 18 down and 22 across
- 25 Twice the result of 12 across plus 29 down
- 26 Eight times a prime number
- 28 Mean of 22 across and 6 down
- 29 A square
- 30 A square
- 33 10 across minus half of 20 down

Solution:

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