

CrossFigure - Challenging Puzzle #28

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	31		32			33		
34				35			36		

Across

- 1 3 down plus 36 across
- 4 Mean of 26 across and 32 across
- 6 1 across minus 31 down
- 8 24 across divided by 21 across
- 9 35 across divided by seven
- 10 35 across reversed
- 11 Twice the result of 33 across plus 3 down
- 12 20 across minus 3 down
- 13 A prime number
- 14 25 down minus half of 23 across
- 17 7 down divided by 13 across
- 19 Mean of 30 across and 12 across
- 20 9 across plus 4 across
- 21 31 down minus 19 across
- 22 Same as 13 across
- 23 Fifty times 3 down
- 24 32 across times 3 down
- 26 A prime number
- 27 Mean of 26 across and 10 across
- 29 Three times 9 across
- 30 1 across divided by 29 across
- 32 5 down minus 20 across
- 33 Mean of 10 across and 29 across
- 34 Twice the result of 36 across minus 28 down
- 35 30 across reversed
- 36 1 across minus 8 across

Down

- 2 A prime number
- 3 24 across divided by 21 across
- 4 6 across plus 4 across
- 5 21 across plus 20 across
- 6 17 down divided by seventy-nine
- 7 17 across times 22 across
- 15 Five times a prime number
- 16 Ten times a prime number
- 17 Sixty-one times a prime number
- 18 Ten times a square
- 23 Ninety-eight times 35 across
- 25 Forty-eight times 33 across
- 27 9 across times 19 across
- 28 A prime number
- 31 33 across plus 12 across
- 33 A cube

Solution:

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