

CrossFigure - Hard Puzzle #32

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		37				38				39
40		41				42	43			44	
		45	46			47			48		
			49	50		51			52		
53			54		55			56			57
		59						60			

Across

- 2 First two digits are the same as 39 down
- 6 8 down minus 29 across
- 10 Mean of 56 across and 51 across
- 11 10 across plus half of 5 down
- 12 59 across minus half of 32 across
- 13 Mean of 55 down and 44 down
- 14 Half of 20 across, then subtract 56 down
- 15 27 across divided by fourteen
- 17 Mean of 56 across and 20 across
- 18 50 down divided by 26 down
- 19 Mean of 10 across and 24 across
- 20 Mean of 11 across and 18 across
- 22 Mean of 42 across and 29 across
- 24 Same as 18 down
- 25 Thirty-three times 57 across
- 27 Forty-two times 31 down
- 29 Thirty-five times 18 across
- 32 17 across minus 36 down
- 35 Mean of 21 down and 57 across
- 37 Nine times 47 across
- 38 Eight times 20 across
- 40 21 down plus 6 down
- 42 1 down plus 32 down
- 44 Thirty-nine times 24 across
- 45 52 across minus 34 down
- 47 Mean of 13 across and 15 across
- 48 Mean of 1 down and 53 across
- 49 34 down minus 13 across
- 51 35 across plus 56 down
- 52 56 across minus half of 48 across
- 53 A prime number
- 54 2 across divided by 45 across
- 56 6 down plus 57 across
- 57 31 down plus 18 across
- 59 18 down times 41 down
- 60 Forty times a prime number

Down

- 1 56 across minus 6 down
- 3 42 across times 32 down
- 4 Twenty-five times a prime number
- 5 36 down plus 57 across
- 6 Same as 21 down
- 7 28 down minus 60 across
- 8 Eighty-eight times a prime number
- 9 Half of 53 down, then subtract 49 across
- 15 31 down times 1 down
- 16 Twice the result of 37 across minus 23 down
- 18 33 down minus 15 across
- 21 44 down plus 45 across
- 23 56 across minus 10 across
- 26 39 down minus 56 down
- 28 A palindrome
- 30 22 across times 36 down
- 31 39 down minus 26 down
- 32 42 across minus 57 across
- 33 Mean of 44 down and 42 across
- 34 25 across minus 52 down
- 36 A cube
- 39 38 across minus 44 across
- 41 40 across minus 42 across
- 42 4 down plus half of 44 down
- 43 Mean of 27 across and 58 down
- 44 Mean of 26 down and 13 across
- 46 48 down minus 39 down
- 48 Nine hundred twenty-four less than 3 down
- 50 18 across times 15 across
- 52 A prime number
- 53 56 across minus 34 down
- 55 12 across minus 25 across
- 56 13 across minus 24 across
- 58 Same as 10 across

Solution:

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