

# Cross Figure - Challenging Puzzle #10

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
47		48				49					50	
	51			52				53			54	
55												56

**Across**

- 1 55 across minus 35 across
- 5 31 down minus 11 down
- 6 52 across plus 33 across
- 8 32 across divided by seven
- 9 43 across minus 45 across
- 10 Half of 12 across, then subtract 41 across
- 11 54 across plus 38 down
- 12 42 across plus 33 across
- 13 Rearranged digits of 34 across
- 15 46 down plus 28 across
- 16 8 across minus 18 down
- 18 55 across minus 1 across
- 19 20 across minus 49 across
- 20 37 down plus 17 down
- 21 Eighty-two times 45 across
- 23 A square
- 26 Half of 22 down, then subtract 4 down
- 28 47 across divided by 50 down
- 29 43 across plus half of 7 down
- 32 36 across plus 1 across
- 33 48 down minus 51 across
- 34 Eight times a prime number
- 35 8 across minus 43 across
- 36 Sixty times 33 across
- 39 8 across plus half of 10 down
- 41 37 down plus 33 across
- 42 Mean of 15 across and 31 down
- 43 A square
- 45 37 down minus half of 18 down
- 47 28 across times 45 across
- 49 17 down minus 54 across
- 50 Mean of 14 down and 26 across
- 51 50 across minus 16 across
- 52 10 across plus 1 across
- 53 31 down minus 1 across
- 54 16 across minus 52 across
- 55 Mean of 20 across and 26 down
- 56 35 across plus 43 across

**Down**

- 2 Last two digits are the same as 43 across
- 3 Seven times a prime number
- 4 Seventy-three times 18 down
- 5 23 down times 18 across
- 7 Five times 18 down
- 10 A square
- 11 Half of 9 across, then subtract 53 across
- 14 Mean of 43 across and 16 across
- 17 46 down plus 49 across
- 18 9 across divided by five
- 22 Thirty-six times 52 across
- 23 5 down divided by 35 across
- 24 Twice a prime number
- 25 24 down minus half of 21 across
- 26 44 down divided by 17 down
- 27 11 down plus 52 across
- 30 Twice the result of 56 across minus 27 down
- 31 Mean of 1 across and 27 down
- 36 Twenty-nine times a prime number
- 37 38 down minus 9 across
- 38 Same as 12 across
- 40 A prime number
- 41 16 across minus 1 across
- 42 3 down plus half of 13 across
- 44 17 down times 10 across
- 46 36 across divided by 5 across
- 48 43 across minus 11 down
- 50 21 across divided by eighty-two

**Solution:**

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