

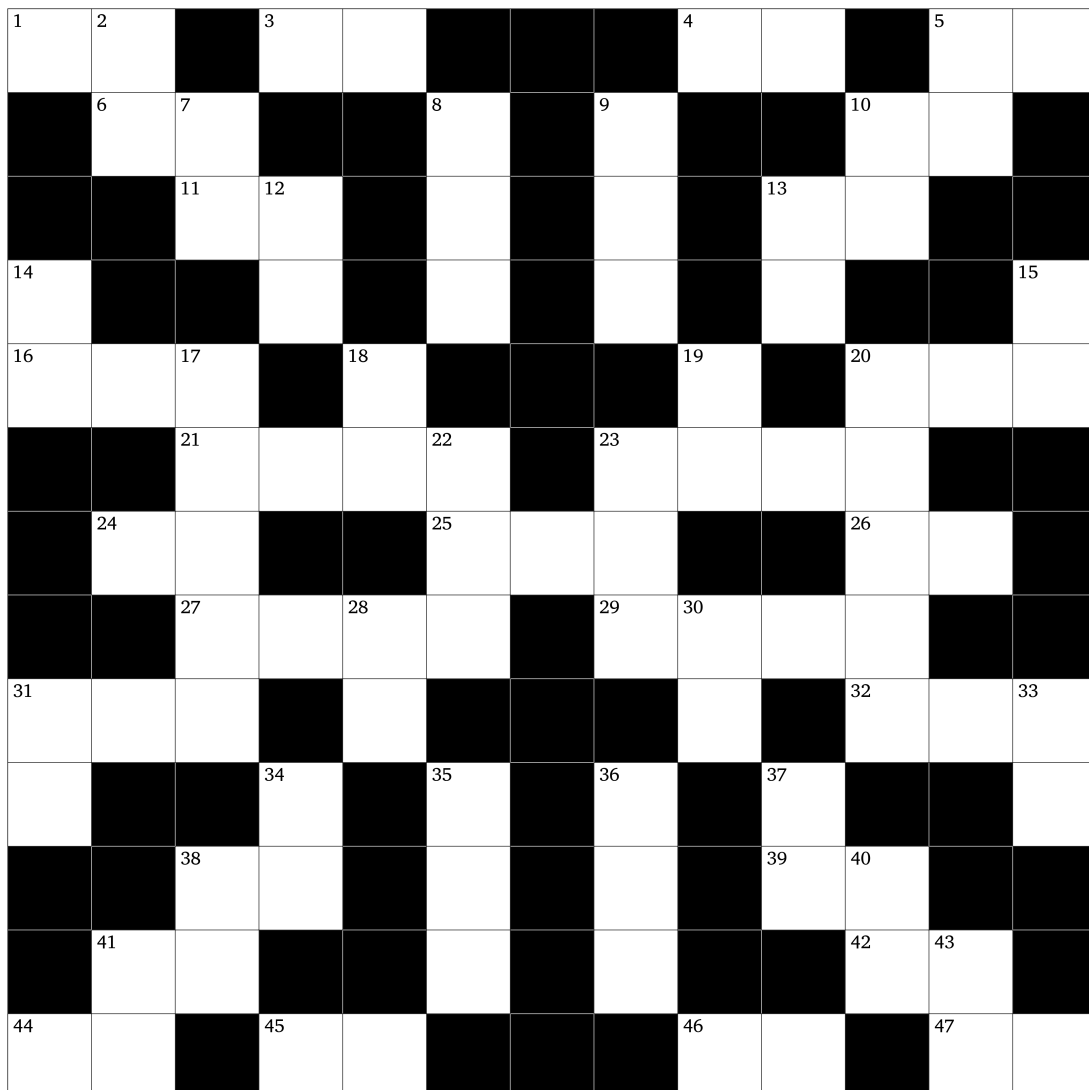
Difficulty: ★★★★★

Cross Figure - Hard Puzzle #33

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.



Across

- 1 5 down minus half of 5 across
- 3 10 down minus 4 across
- 4 19 down minus 1 across
- 5 43 down minus 15 down
- 6 3 across plus 34 down
- 10 Mean of 12 down and 34 down
- 11 13 across plus 28 down
- 13 Twice the result of 38 across minus 31 down
- 16 Nine times a prime number
- 20 Twenty-three times 13 down
- 21 16 across plus half of 28 down
- 23 28 down times 46 across
- 24 8 down minus 40 down
- 25 Mean of 31 across and 21 across
- 26 27 across divided by 44 across
- 27 4 across times 26 across
- 29 37 down times 41 across
- 31 25 across minus 7 down
- 32 19 down plus half of 31 across
- 38 10 down plus 43 down
- 39 Mean of 31 down and 37 down
- 41 14 down plus 13 down
- 42 18 down minus 45 across
- 44 28 down minus 33 down
- 45 23 across divided by 35 down
- 46 12 down plus half of 11 across
- 47 A prime number

Down

- 2 5 down minus 7 down
- 5 43 down minus 7 down
- 7 19 down minus 45 across
- 8 10 across plus 37 down
- 9 20 down divided by 10 across
- 10 Mean of 1 across and 5 across
- 12 19 down minus 4 across
- 13 Mean of 7 down and 3 across
- 14 38 across minus 7 down
- 15 Twice the result of 33 down minus 34 down
- 17 Twice a prime number
- 18 Mean of 14 down and 4 across
- 19 Mean of 5 down and 47 across
- 20 Three thousand five hundred forty-one more than 17 down
- 22 Five times a prime number
- 23 Mean of 25 across and 39 across
- 28 31 down minus 3 across
- 30 Mean of 42 across and 43 down
- 31 26 across plus 13 down
- 33 31 down minus 10 down
- 34 Mean of 44 across and 26 across
- 35 Seventeen times 3 across
- 36 Twice the result of 20 across plus 2 down
- 37 29 across divided by 38 down
- 38 5 down plus 18 down
- 40 46 across minus 13 down
- 41 7 down reversed
- 43 A square

Solution:

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