

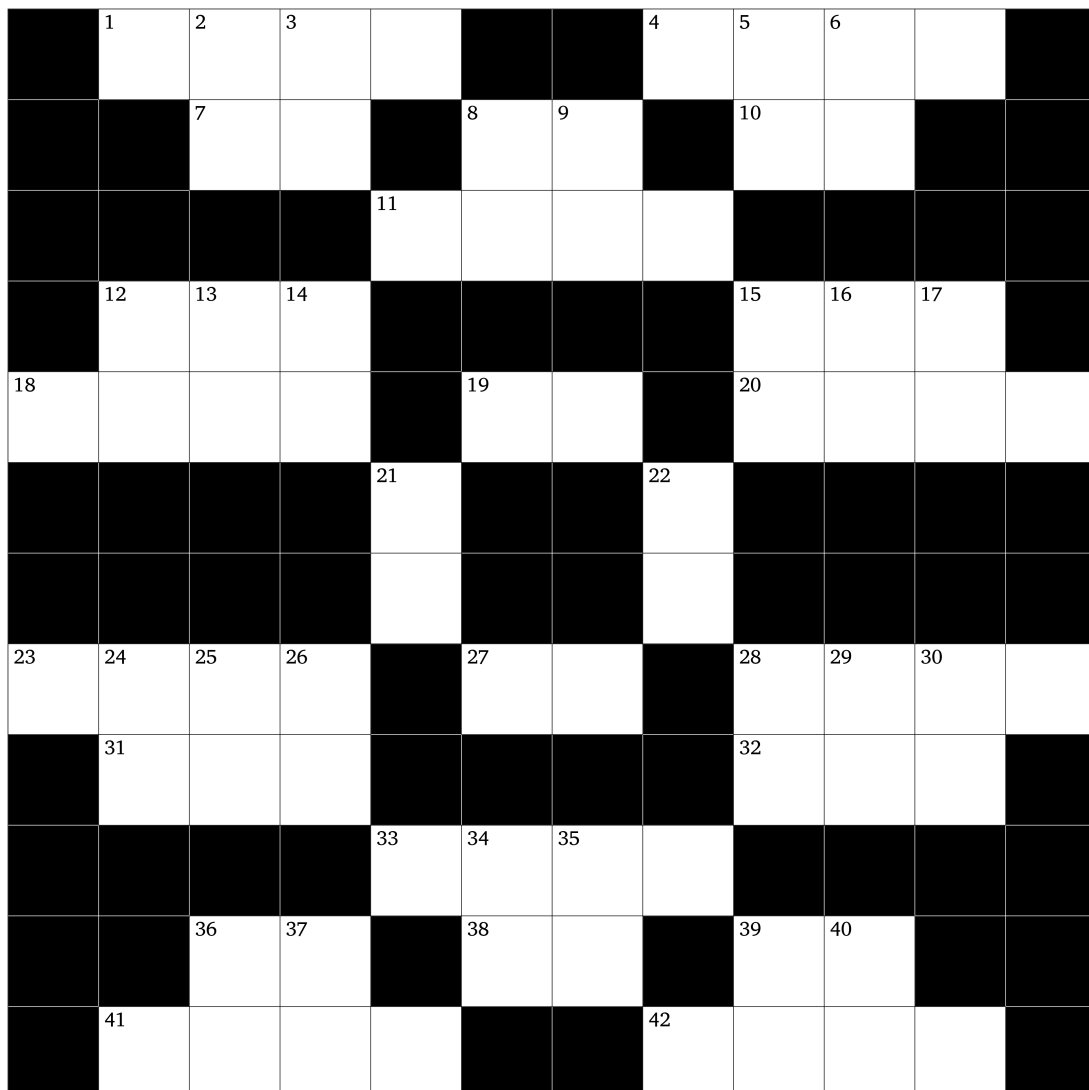
Difficulty: ★★★★★

Cross Figure - Hard Puzzle #9

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 9 down times 12 down
- 4 40 down plus 18 across
- 7 Mean of 22 down and 30 down
- 8 Twice the result of 39 across minus 34 down
- 10 36 down plus 34 down
- 11 Twice a prime number
- 12 13 down times 21 down
- 15 Mean of 21 down and 12 across
- 18 37 down times 14 down
- 19 24 down plus 36 across
- 20 Mean of 4 across and 35 down
- 23 33 across plus 14 down
- 27 Same as 17 down
- 28 7 across times 27 across
- 31 20 across minus 29 down
- 32 Half of 15 across, then subtract 14 down
- 33 Forty-nine times a prime number
- 36 15 down reversed
- 38 A square
- 39 38 across plus 2 down
- 41 Twice the result of 4 across plus 42 across
- 42 A prime number

Down

- 2 27 across minus 36 across
- 3 A square
- 5 39 across plus 3 down
- 6 24 down minus 40 down
- 8 11 across minus 18 across
- 9 29 down minus 36 across
- 12 20 across minus 31 across
- 13 Mean of 10 across and 8 across
- 14 28 down plus 36 across
- 15 Mean of 7 across and 3 down
- 16 22 down plus 3 down
- 17 28 across divided by 7 across
- 21 Same as 8 across
- 22 A square
- 24 Mean of 27 across and 5 down
- 25 Twice the result of 23 across minus 33 across
- 26 9 down minus 8 across
- 28 12 down minus 30 down
- 29 1 across divided by 9 down
- 30 Mean of 25 down and 2 down
- 34 Mean of 13 down and 19 across
- 35 10 across minus half of 22 down
- 36 39 across minus 26 down
- 37 24 down minus 38 across
- 39 40 down plus 26 down
- 40 7 across minus 14 down

Solution:

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