

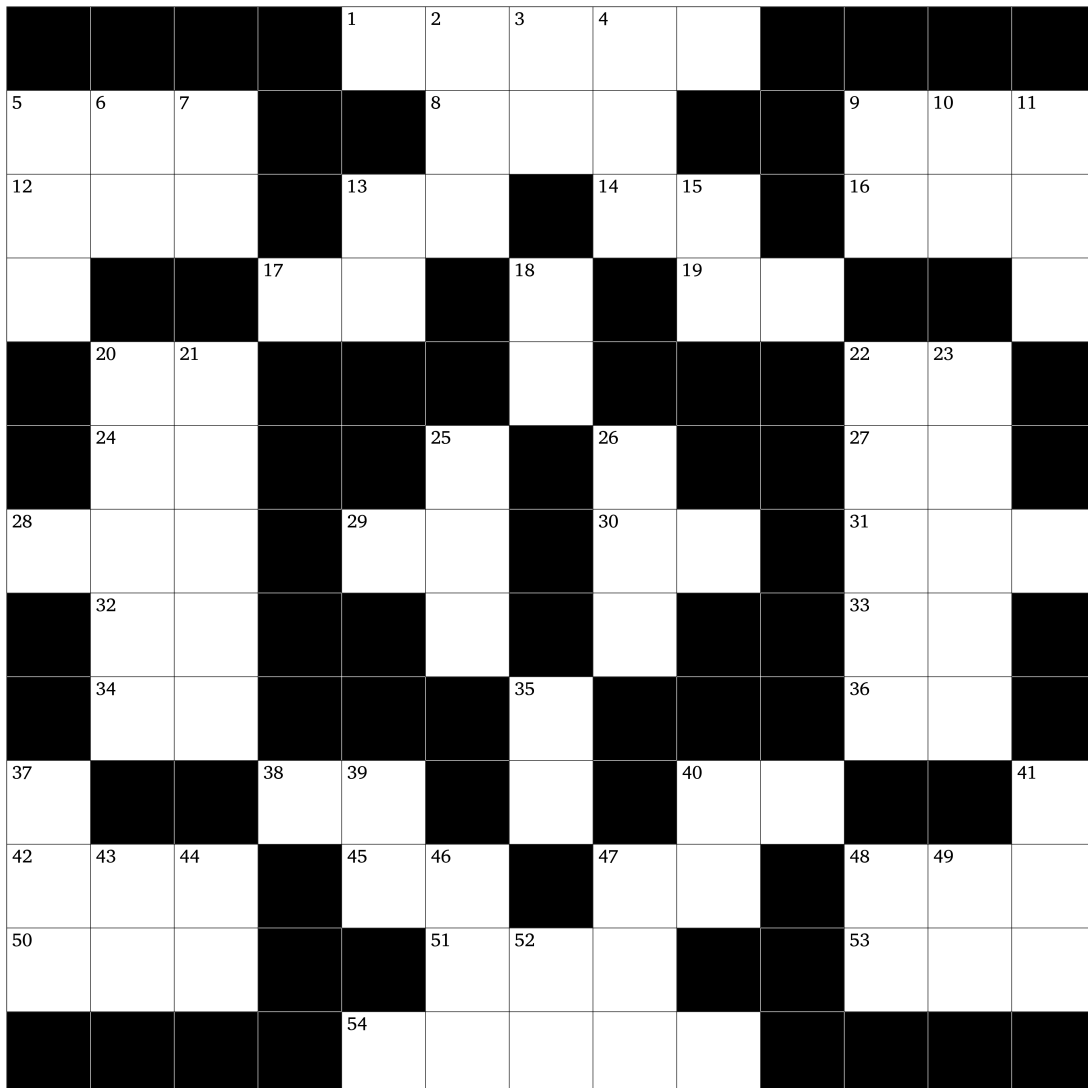
Difficulty: ★★★★★

Cross Figure - Hard Puzzle #36

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 Four thousand eight hundred one less than 22 down
- 5 Half of 1 across, then subtract 54 across
- 8 37 down plus 13 across
- 9 49 down plus 17 across
- 12 51 across plus 28 across
- 13 A square
- 14 Mean of 30 across and 44 down
- 16 47 down plus 45 across
- 17 47 across plus 20 across
- 19 37 down divided by 43 down
- 20 9 across minus 6 down
- 22 34 across minus 20 across
- 24 Sum of digits in 20 down
- 27 Sum of digits in 25 down
- 28 Mean of 19 across and 46 down
- 29 52 down minus 14 across
- 30 43 down plus 38 across
- 31 A square
- 32 48 across divided by 48 down
- 33 15 down plus 9 down
- 34 13 down plus 38 across
- 36 Twice the result of 5 down minus 16 across
- 38 44 down minus 36 across
- 40 A square
- 42 Mean of 46 down and 40 across
- 45 33 across plus 13 across
- 47 30 across minus 40 across
- 48 51 across minus 15 down
- 50 Twenty-eight times 24 across
- 51 4 down minus 13 down
- 53 5 across minus 30 across
- 54 First two digits are the same as 47 across

Down

- 2 26 down minus 14 across
- 3 Mean of 13 across and 33 across
- 4 41 down minus 45 across
- 5 12 across minus 25 down
- 6 19 across plus 49 down
- 7 Twice the result of 22 across minus 29 across
- 9 13 across minus 36 across
- 10 3 down minus 48 down
- 11 Mean of 2 down and 17 across
- 13 22 across minus 9 down
- 15 13 down minus 32 across
- 18 Twice the result of 47 down minus 28 across
- 20 30 across times 48 across
- 21 Ninety-three times a square
- 22 Consecutive digits unordered
- 23 Four times a prime number
- 25 Mean of 7 down and 46 down
- 26 Twice the result of 4 down minus 3 down
- 35 17 across minus 13 down
- 37 8 across minus 39 down
- 39 A square
- 40 45 across minus 15 down
- 41 Twice the result of 31 across plus 35 down
- 43 37 down divided by 47 across
- 44 9 across minus 48 down
- 46 38 across plus 5 across
- 47 Rearranged digits of 41 down
- 48 30 across minus 17 across
- 49 Mean of 52 down and 19 across
- 52 36 across plus 40 down

Solution:

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