

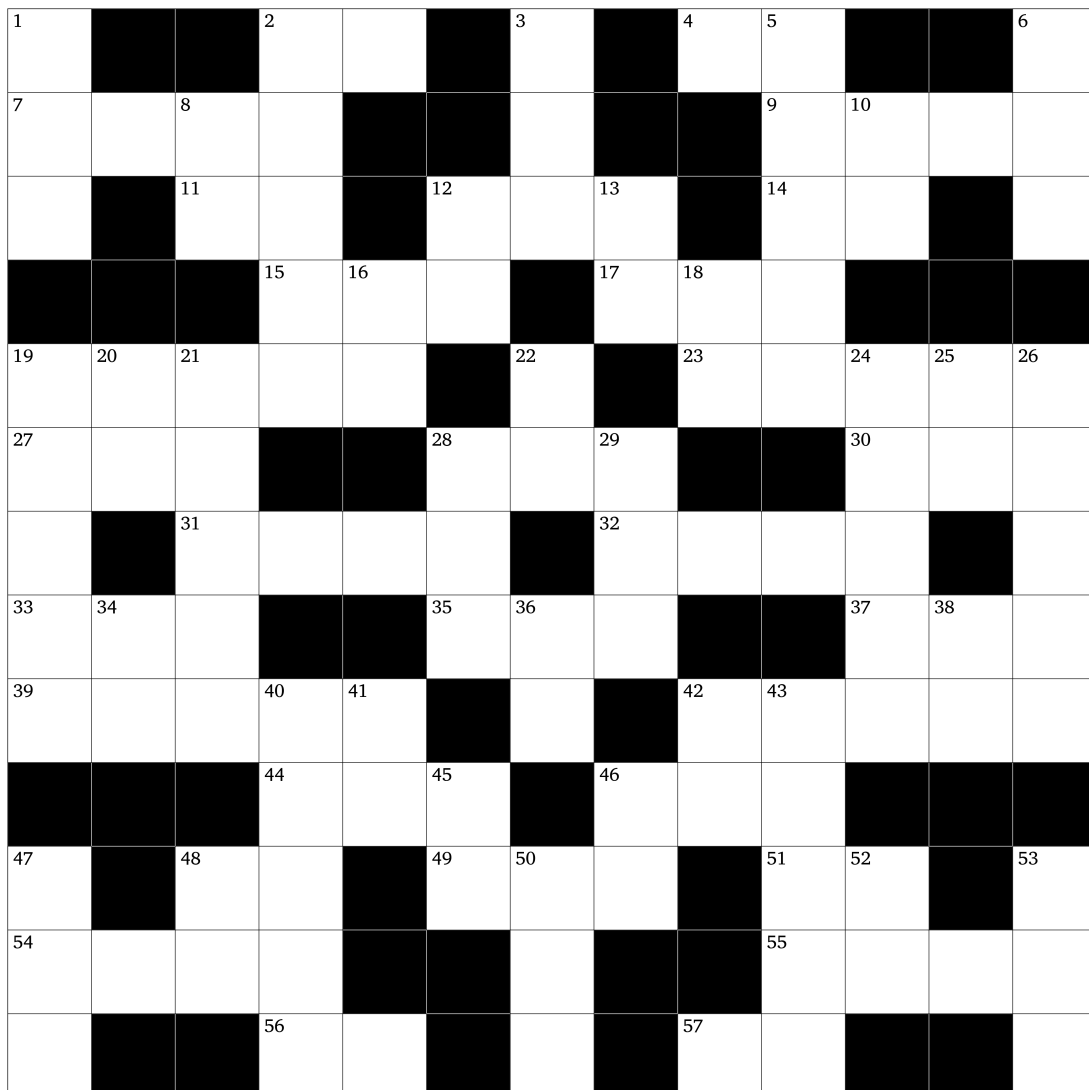
Difficulty: ★★★★★

Cross Figure - Hard Puzzle #31

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

- 2 31 across divided by 8 down
- 4 16 down minus 46 down
- 7 Mean of 54 across and 28 down
- 9 Thirty-five times a prime number
- 11 A prime number
- 12 41 down plus 20 down
- 14 1 down minus 34 down
- 15 Mean of 50 down and 45 down
- 17 48 across plus 28 across
- 19 Two thousand eight hundred eighteen more than 19 down
- 23 Twice a prime number
- 27 49 across minus 17 across
- 28 47 down plus 46 across
- 30 Mean of 6 down and 18 down
- 31 Eighty-six times 46 down
- 32 Four times a prime number
- 33 Twenty-six times 4 across
- 35 14 across times 36 down
- 37 Forty-five times 36 down
- 39 Twenty-one times a prime number
- 42 28 across times 25 down
- 44 10 down plus 34 down
- 46 42 down plus 13 down
- 48 44 across minus half of 48 down
- 49 32 across minus 46 down
- 51 33 across divided by 56 across
- 54 A prime number
- 55 Last two digits are the same as last two digits of 28 down
- 56 46 across divided by ten
- 57 Sum of digits in 23 across

Down

- 1 10 down plus 34 down
- 2 First three digits are the same as 27 across
- 3 21 down divided by 20 down
- 5 Mean of 43 down and 4 across
- 6 31 across minus 13 down
- 8 31 across divided by 14 across
- 10 Sum of digits in 39 across
- 12 Sum of digits in 9 across
- 13 Mean of 34 down and 52 down
- 16 19 across divided by 17 across
- 18 34 down reversed
- 19 26 down minus half of 34 down
- 20 45 down minus 56 across
- 21 First two digits are the same as 11 across
- 22 20 down minus 46 down
- 24 Sixty-five times a prime number
- 25 12 down plus 48 down
- 26 19 down plus 51 across
- 28 A square
- 29 7 across minus 35 across
- 34 28 down minus 15 across
- 36 35 across divided by 2 across
- 38 45 down plus 18 down
- 40 A prime number
- 41 48 across plus 12 down
- 42 13 down minus 14 across
- 43 Seven times a prime number
- 45 Mean of 36 down and 1 down
- 46 25 down minus 13 down
- 47 Mean of 37 across and 22 down
- 48 Mean of 46 across and 36 down
- 50 31 across minus 16 down
- 52 Half of 53 down, then subtract 1 down
- 53 25 down plus 27 across

Solution:

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