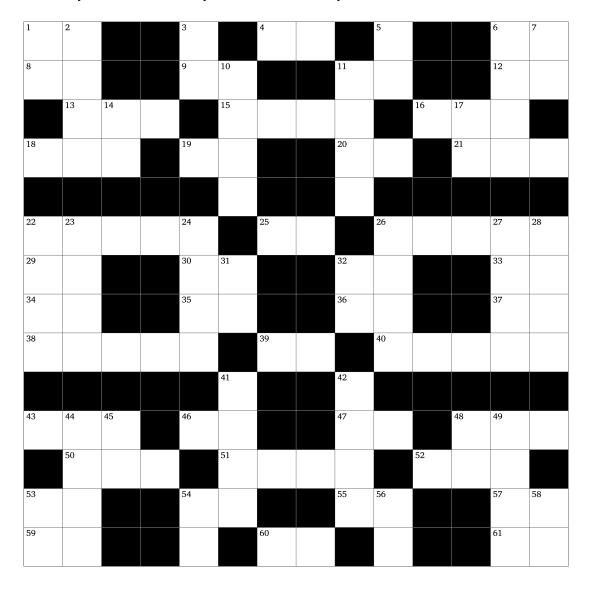# CrossFigure - Hard Puzzle #38

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 53 down plus 14 down
4 9 across plus 37 across
6 58 down plus 20 across
8 16 across minus half of 1 across
9 48 across minus 4 across
11 Mean of 33 across and 1 across
12 Half of 43 across, then subtract 52 across
13 35 across plus 31 down
15 Twice the result of 23 down plus 45 down
16 5 down plus 57 across
18 32 across times 34 across
19 Twice the result of 13 across minus 3 down
20 48 across minus 13 across
21 Twice a prime number
22 Seven times a prime number
25 7 down minus 12 across
26 Mean of 38 across and 22 across
29 43 across divided by 1 across
30 8 across minus 56 down
32 18 across divided by 11 across
33 Mean of 60 across and 9 across
34 60 across plus 31 down
35 20 across plus half of 30 across
36 4 across plus 46 across
37 1 down minus 35 across
38 Five thousand forty-seven more than 40 across
39 Twice the result of 36 across minus 53 across
40 Nine times 41 down
43 Rearranged digits of 48 across
46 4 across minus 35 across
47 Twice the result of 5 down minus 46 across
48 Twice 1 across
50 60 across times 53 down
51 49 down plus half of 21 across
52 Mean of 4 across and 50 across
53 6 across minus 20 across
54 Twice the result of 6 across minus 54 down
55 1 across minus 60 across
57 Mean of 59 across and 29 across
59 4 across plus 48 down
60 61 across minus 39 across
61 48 down plus 8 across

Down

1 17 down plus 54 down
2 Last two digits are the same as 14 down
3 59 across minus 12 across
5 Mean of 46 across and 59 across
6 Six times a square
7 9 across minus 31 down
10 A square
11 A prime number
14 Half of 58 down, then subtract 60 across
17 A square
22 Half of 42 down, then subtract 44 down
23 Twenty-five times a prime number
24 Five times a prime number
26 Mean of 4 across and 28 down
27 Seven times a prime number
28 Twice the result of 26 down minus 33 across
31 18 across divided by 32 down
32 Mean of 32 across and 7 down
41 Six times a prime number
42 Twice a prime number
44 Thirty-three times a prime number
45 61 across minus 30 across
48 53 down minus 33 across
49 Ninety-one times a square
53 50 across divided by 37 across
54 Mean of 37 across and 13 across
56 Half of 55 across, then subtract 25 across
58 Same as 30 across

Solution:

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