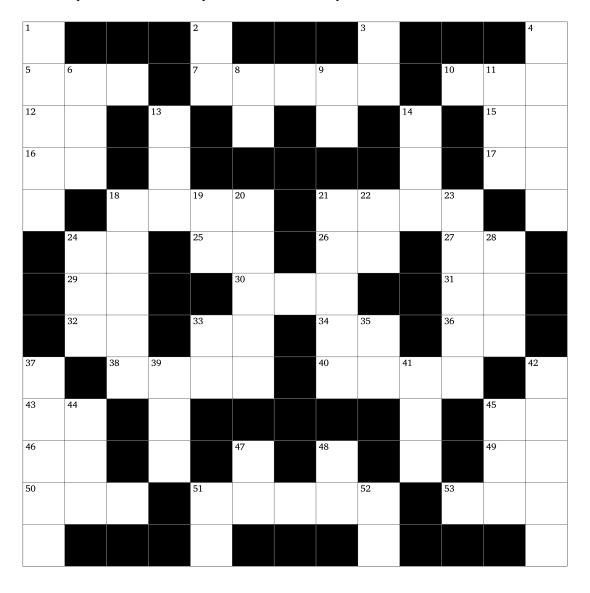# CrossFigure - Hard Puzzle #50

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

5 20 down divided by 12 across
7 First two digits are the same as 19 down
10 45 down minus 22 down
12 24 across plus 26 across
15 36 across minus 46 across
16 32 across plus 2 down
17 3 down plus 26 across
18 38 across plus 44 down
21 Twenty-three times a prime number
24 51 down minus 32 across
25 22 down minus 34 across
26 12 across minus 45 across
27 Mean of 43 across and 47 down
29 Half of 47 down
30 Mean of 6 down and 43 across
31 Mean of 24 across and 22 down
32 53 across divided by 35 down
33 Twice the result of 8 down plus 3 down
34 Mean of 15 across and 29 across
36 49 across plus 48 down
38 A square
40 14 down plus 28 down
43 Mean of 33 across and 33 down
45 Three-fourths of 16 across
46 16 across minus 2 down
49 Mean of 43 across and 9 down
50 Twice a prime number
51 Six times a square
53 8 down times 2 down

Down

1 Half of 51 across, then subtract 7 across
2 Mean of 52 down and 45 across
3 A square
4 21 down plus 31 across
6 3 down plus 39 down
8 46 across plus 32 across
9 Same as 12 across
11 Twice the result of 10 across plus 41 down
13 42 down divided by 29 across
14 11 down minus 6 down
18 Twice a prime number
19 17 across minus 51 down
20 5 across times 9 down
21 4 down minus 34 across
22 25 across plus 31 across
23 A prime number
24 Thirty-one times 32 across
28 30 across plus half of 14 down
33 Twice the result of 49 across minus 24 across
35 27 across minus 19 down
37 23 down minus 50 across
39 44 down minus 9 down
41 49 across plus 9 down
42 Forty-eight times a prime number
44 39 down plus 12 across
45 24 down plus 24 across
47 49 across plus 19 down
48 Sum of digits in 47 down
51 Twice the result of 6 down minus 39 down
52 39 down minus 27 across

Solution:

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