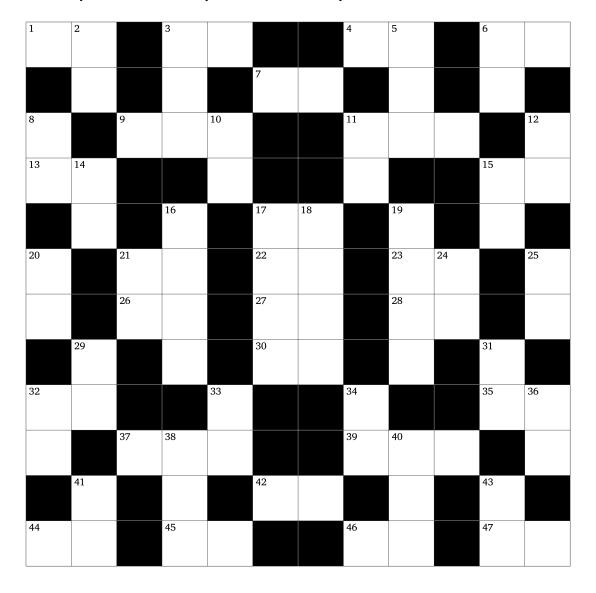# CrossFigure - Hard Puzzle #8

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 31 down minus 20 down
3 Its digits total 33 down
4 32 across minus 2 down
6 17 across minus half of 13 across
7 Half of 3 down, then subtract 38 down
9 11 down plus 10 down
11 16 down minus half of 5 down
13 36 down minus 15 across
15 Same as 44 across
17 2 down plus 23 across
21 36 down minus 2 down
22 Mean of 27 across and 17 across
23 Mean of 28 across and 2 down
26 2 down plus 43 down
27 47 across minus 20 down
28 3 across divided by eight
30 21 across plus half of 12 down
32 9 across minus 23 across
35 9 across minus half of 4 across
37 25 down plus 3 across
39 Mean of 40 down and 45 across
42 6 down minus 8 down
44 36 down minus 28 across
45 47 across minus 21 across
46 Mean of 13 across and 42 across
47 Mean of 41 down and 2 down

Down

2 26 across minus 42 across
3 Sixty-eight times 46 across
5 27 across plus 11 across
6 Mean of 34 down and 24 down
8 15 across minus 20 down
10 A square
11 19 down divided by 1 across
12 Mean of 31 down and 9 across
14 6 across minus 7 across
15 Twice the result of 23 across plus 46 across
16 A prime number
17 Twenty-one times a prime number
18 Five times a prime number
19 11 down times 45 across
20 5 down divided by 14 down
21 Mean of 32 down and 43 down
24 9 across minus 27 across
25 A square
29 Twice the result of 28 across plus 20 down
31 Mean of 26 across and 10 down
32 37 across minus 25 down
33 8 down minus 10 down
34 Mean of 27 across and 22 across
36 15 across plus half of 14 down
38 Mean of 11 across and 22 across
40 Six times a prime number
41 Mean of 9 across and 25 down
43 Twice the result of 32 across minus 44 across

Solution:

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