CrossFigure - Challenging 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 Half of 6 across, then subtract 44 across
3 38 across minus 4 down
5 31 down minus 45 across
6 Mean of 39 across and 51 down
7 29 across plus 43 across
9 35 across times 29 across
10 7 across minus 33 across
12 Thirteen times a prime number
14 Eight hundred seven less than 23 down
17 Mean of 11 down and 43 down
18 54 across plus 34 across
19 52 across minus 30 down
20 40 down minus 48 down
21 30 down plus 39 across
22 5 across times 37 across
23 33 across times 7 across
25 Mean of 43 across and 11 down
26 50 across minus 40 down
29 23 across divided by 7 across
32 Mean of 45 across and 37 across
33 19 across minus 54 across
34 23 across divided by twenty
35 9 across divided by 33 across
37 A square
38 13 down minus half of 31 down
39 30 down times 20 across
41 46 across plus 44 across
43 Four times 20 across
44 19 across plus 25 across
45 Mean of 29 across and 19 across
46 Mean of 52 across and 25 across
48 Three times a prime number
50 9 across minus 28 down
52 6 down minus 4 down
53 Mean of 28 down and 5 down
54 41 across minus 50 down
55 35 across minus 57 across
56 Mean of 10 across and 43 across
57 58 across minus half of 55 across
58 13 down minus 11 down

Down

2 4 down minus 3 across
4 6 across minus 52 across
5 Mean of 48 down and 46 across
6 33 across plus 13 down
8 Sixty times a prime number
10 Its digits total 16 down
11 Two-thirds of 32 across
13 6 down minus 29 across
15 A cube
16 Same as 20 across
23 28 down minus 3 across
24 Eight times a prime number
27 Seventeen times a prime number
28 23 down plus 11 down
30 Same as 32 across
31 41 across minus 52 across
36 Mean of 8 down and 45 across
38 Three times a prime number
40 48 down plus 16 down
42 38 across minus 44 across
43 Same as 43 across
47 One-tenth of 21 across
48 27 down minus half of 6 down
49 Mean of 40 down and 38 across
50 57 across plus 37 across
51 49 down minus half of 19 across

Solution:

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