Cross Figure - Beginner Puzzle #11

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 1 down times 21 across
7 Its digits total 3 down
9 23 across minus 10 across
10 32 down divided by 6 down
12 29 down minus 6 down
14 Half of 14 down, then subtract 38 across
16 20 down plus 25 across
19 Consecutive digits unordered
21 25 across plus 35 down
23 28 across minus 34 down
24 Fifty-five times a square
25 Mean of 33 down and 28 across
26 27 across minus 1 down
27 Mean of 24 across and 26 down
28 Fourteen times 9 across
30 13 down minus 36 across
31 Mean of 12 across and 2 down
32 37 down plus 14 across
34 33 down plus 12 across
36 Ten times a square
38 Four times a prime number

Down

1 30 across plus 39 down
2 25 across minus 23 across
3 A square
4 25 across plus 39 down
6 23 across minus 10 across
8 Four times 2 down
11 28 across minus 23 across
13 Six times a prime number
15 16 across minus half of 17 down
17 22 down minus 10 across
18 12 across plus 17 down
20 27 across minus 12 across
21 20 down minus 11 down
22 Twice the result of 26 across plus 32 across
26 A square
29 Mean of 34 down and 8 down
32 Eight times 25 across
33 11 down minus 8 down
34 8 down plus 33 down
35 Mean of 21 down and 29 down
37 30 across minus 2 down
39 34 across minus 9 across

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