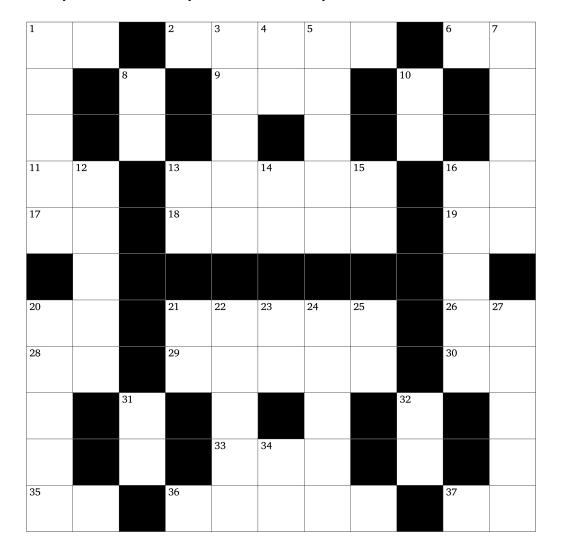# CrossFigure - Hard Puzzle #21

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 4 down plus 16 across
2 Twenty-two thousand eight hundred three less than 3 down
6 30 across minus 37 across
9 8 down plus 10 down
11 Mean of 17 across and 16 across
13 Eight times a prime number
16 9 across minus 11 across
17 30 across minus 11 across
18 Forty-one times a prime number
19 11 across plus 21 down
20 26 across plus 1 across
21 19 across plus half of 22 down
26 8 down minus 1 across
28 Mean of 37 across and 16 across
29 Seven thousand one hundred twenty-six more than 27 down
30 31 down plus half of 37 across
33 Nine times 14 down
35 Sum of digits in 34 down
36 24 down minus 14 down
37 6 across plus 13 down

Down

1 Twice the result of 5 down plus 13 down
3 A prime number
4 21 down minus half of 23 down
5 Two thousand four hundred seventy-eight less than 21 across
7 Mean of 16 down and 6 across
8 Same as 20 across
10 A square
12 25 down plus half of 2 across
13 Mean of 14 down and 1 across
14 19 across minus 16 across
15 28 across minus half of 32 down
16 A prime number
20 A square
21 32 down minus 17 across
22 Twice a prime number
23 Mean of 35 across and 30 across
24 Twice a prime number
25 34 down minus 10 down
27 Twice the result of 3 down minus 13 across
31 Mean of 6 across and 30 across
32 Mean of 8 down and 37 across
34 8 down minus 10 down

Solution:

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