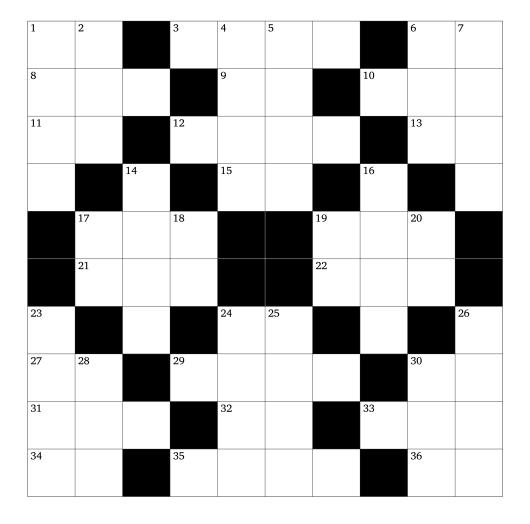# CrossFigure - Challenging Puzzle #41

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 25 down, then subtract 29 across
3 19 across plus half of 14 down
6 9 across minus 32 across
8 Mean of 6 across and 21 across
9 Half of 33 across
10 Twice the result of 33 across plus 19 down
11 19 down minus 24 across
12 Twelve times a prime number
13 26 down divided by 27 across
15 18 down plus 32 across
17 18 down plus half of 22 across
19 28 down minus 21 across
21 6 across plus half of 6 down
22 Four times 13 across
24 A square
27 1 across plus 36 across
29 Sixteen less than 24 down
30 33 across minus 34 across
31 Half of 12 across, then subtract 16 down
32 Half of 30 across
33 Mean of 20 down and 2 down
34 Twice the result of 9 across minus 32 across
35 30 down plus half of 15 across
36 Mean of 1 across and 17 down

Down

1 Mean of 5 down and 2 down
2 Four times a prime number
4 Four times a prime number
5 30 down plus 35 across
6 Eight times a prime number
7 Thirty times a square
14 Twenty-four times a prime number
16 Seventy-two times 11 across
17 7 down divided by 8 across
18 24 across plus 1 across
19 20 down minus 27 across
20 Mean of 30 across and 9 across
23 Its digits total 24 across
24 Sixteen times 8 across
25 Eight times a prime number
26 Two hundred seventeen less than 29 across
28 Same as 31 across
30 Nine times a prime number

Solution:

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