## CrossFigure - Hard Puzzle \#31

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

136 across plus 64 across
426 across divided by 15 down
7 Mean of 65 across and 1 across
9 Nineteen thousand two hundred forty-nine less than 59 across
1219 across minus half of 3 down
13 Twice the result of 62 across minus 42 across
1629 across plus 15 down
173 down plus 56 across
18 Mean of 53 down and 7 across
19 Mean of 41 down and 46 across
20 Mean of 31 across and 3 down
2115 down minus 43 down
22 Five times a prime number
24 A square
2661 across plus half of 26 down
27 Same as 63 across
29 Half of 48 down, then subtract 40 down
3143 down plus 55 down
322 down plus 3 down
34 A square
36 Mean of 34 across and 15 down
37 Six hundred seventy-three less than 27 down
38 Mean of 12 across and 53 across
3916 across minus half of 47 across
424 down divided by 23 down
438 down divided by 21 across
4630 down divided by 64 across
4753 down divided by 32 down
4924 across divided by 51 across
51 Mean of 3 down and 4 across
5361 across minus 23 down
54 Mean of 37 across and 38 across
5611 down divided by 32 across
57 Half of 52 down, then subtract 22 across
59 First two digits are the same as 1 across
6153 across plus 49 across
62 Six thousand seven hundred sixty less than 14 down
6317 across plus 34 across
64 A square
6546 across minus 63 across

## Down

159 across plus half of 7 down
250 down minus 10 down
325 down minus 31 down
449 across times 42 across
5 First two digits are the same as 15 down
619 across minus 4 across
7 Ninety-seven times 65 across
8 Two thousand eight hundred eighteen more than 40 down
10 A square
11 Thirty-three times a prime number
14 A prime number
15 Mean of 41 down and 31 across
2335 down minus 58 down
25 Twice the result of 60 down plus 4 across
26 Six times a prime number
27 Three times a prime number
28 Rearranged digits of 32 across
30 Eighty-one times 38 across
314 down divided by 36 across
3234 across minus 62 down
33 A square
35 Twice the result of 27 across minus 34 across
40 Twenty-six times a prime number
4149 across minus 60 down
43 Mean of 10 down and 62 down
44 One hundred twenty-seven more than 62 across
4562 down plus half of 44 down
48 Fourteen thousand eight hundred seventy-five more than 59 across
50 Twenty-four times a prime number
51 Seven times a prime number
52 Four times a prime number
53 One thousand seven hundred thirty-four less than 7 down
55 Mean of 43 down and 53 across
585 down divided by 6 down
6027 across minus 38 across
62 Mean of 51 across and 4 across

## Solution:



