## CrossFigure - Intermediate 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

1 Nine thousand four more than 16 across
6 Ten times a prime number
9 Mean of 14 down and 15 down
1012 down plus 13 down
12 Twenty-eight times a prime number
16 Four times a prime number

## Down

1 A prime number
2 A prime number
3 Twice 1 down
4 Half of 8 down, then subtract 3 down
5 Sum of digits in 1 across
7 A square
8 Twice a prime number
112 down plus half of 7 down
127 down divided by fifty-six
139 across minus 1 down
14 Twice a prime number
15 Mean of 2 down and 4 down

## Solution:

|  | 5 | 7 | 1 | 5 | 2 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 3 | 9 | 0 | 7 | 0 |  |
| 7 |  |  | 6 |  |  | 3 |
| 8 | 1 |  |  |  | 4 | 2 |
| 4 |  |  | 4 |  |  | 6 |
| 1 | 2 | 7 | 9 | 6 |  |  |
| 4 | 8 | 1 | 4 | 8 |  |  |

