

CrossFigure - Challenging Puzzle #40

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:

- "Words" may not start with a zero.
- "Words" read from left to right and top to bottom.
- There is one unique solution which satisfies all the clues given below.
- Some "words" may not have clues. They will be determined by the "words" which intersect them.

| | | | | | | |
|----|----|----|----|----|----|----|
| 1 | | 2 | | 3 | | 4 |
| 5 | 6 | | | 7 | 8 | |
| | 9 | | 10 | | | |
| 11 | | | | | 12 | |
| | 13 | 14 | | 15 | | |
| 16 | | | | 17 | | 18 |
| | | 19 | | | | |

Across

- 2 Twice a prime number
- 5 17 across reversed
- 7 14 down minus 12 across
- 9 Its digits total 11 across
- 11 Square root of 10 down
- 12 11 across minus 18 down
- 13 Forty-one times a prime number
- 16 2 across minus 4 down
- 17 5 across reversed
- 19 Twice the result of 15 down minus 18 down

Down

- 1 Mean of 4 down and 7 across
- 2 Five times a prime number
- 3 Mean of 2 down and 1 down
- 4 A square
- 6 Seventy-seven times a prime number
- 8 A prime number
- 10 A square
- 14 Six times 11 across
- 15 Consecutive digits unordered
- 16 6 down divided by 17 across
- 18 3 down divided by thirty-eight

Solution:

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