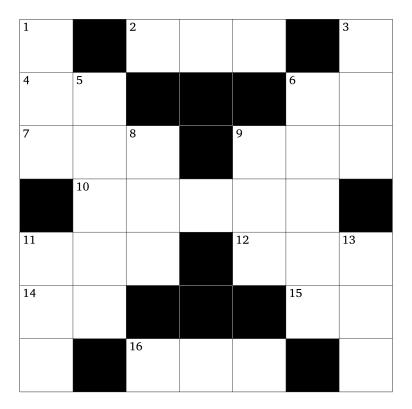# CrossFigure - Intermediate Puzzle #30

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
2 Fifty-five times a square
4 Consecutive digits in ascending order
6 Consecutive digits in descending order
7 Twice the result of 9 down plus 9 across
9 A square
10 11 down times 12 across
11 6 down divided by 3 down
12 Mean of 8 down and 11 across
14 Ten more than 15 across
15 13 down minus 16 across
16 Half of 2 across, then subtract 4 across

Down
1 Forty-one less than 8 down
3 Two hundred fifteen less than 2 across
5 Thirty-two times a prime number
8 Twenty-seven times a prime number
9 All digits are the same
11 Seven times a prime number
13 1 down plus 14 across

Solution:

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