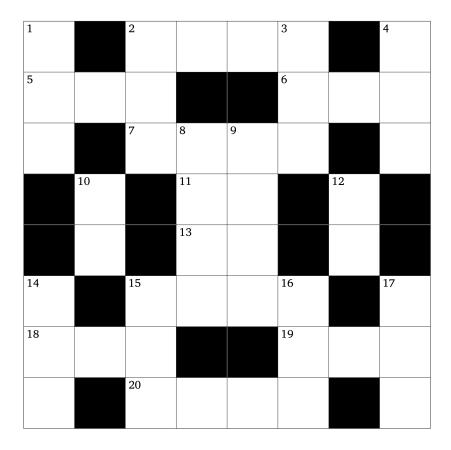# CrossFigure - Challenging Puzzle #32

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 A prime number
5 Half of 18 across, then subtract 14 down
6 Two hundred less than 3 down
7 Thirty-one times a prime number
11 Consecutive digits in descending order
13 Half of 1 down, then subtract 17 down
15 Thirty-nine times a prime number
18 Ninety times a prime number
19 Twice a prime number
20 15 across plus half of 2 down

Down

1 Fourteen times a prime number
2 Twice a prime number
3 2 across minus half of 10 down
4 8 down minus half of 19 across
8 Sixty-six times a prime number
9 7 across minus 12 down
10 5 across divided by five
12 Three times a prime number
14 Fifteen times a prime number
15 6 across minus half of 16 down
16 Fifteen times 13 across
17 A prime number

Solution:

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