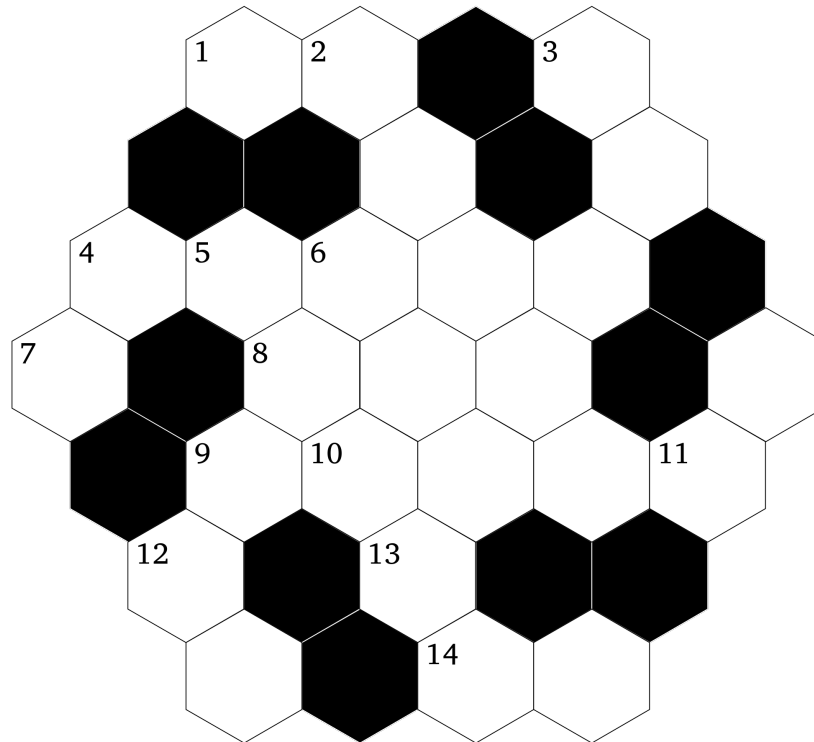# TripleCross - Intermediate Puzzle #65

This puzzle is like a crossword, but with numbers. Each digit occupies a hexagonal cell and can be a part of a "word" in the across, up, and down directions.

Rules:
1. "Words" may not start with a zero.
2. "Words" in the 'across' direction read from left to right.
3. "Words" in the 'up' direction read along the upward diagonal to the right.
4. "Words" in the 'down' direction read along the downward diagonal to the right.
5. There is one unique solution which satisfies all the clues given below.
6. Some "words" may not have clues. They will be determined by the "words" which intersect them.

Across

1 Four times a prime number
4 7 up plus half of 13 up
8 Twenty-two times a square
9 Eighty-five times a prime number
14 8 across minus 6 down

Up

7 8 across divided by sixty-six
10 First two digits are the same as 14 across
11 Mean of 3 down and 1 across
12 Two thousand one hundred forty-seven more than 4 across
13 Fourteen thousand seven hundred forty-one less than 5 down

Down

2 A prime number
3 Consecutive digits in ascending order
5 Eighty-one times a prime number
6 Sixty-three times a prime number
12 12 up divided by 10 up

Solution: