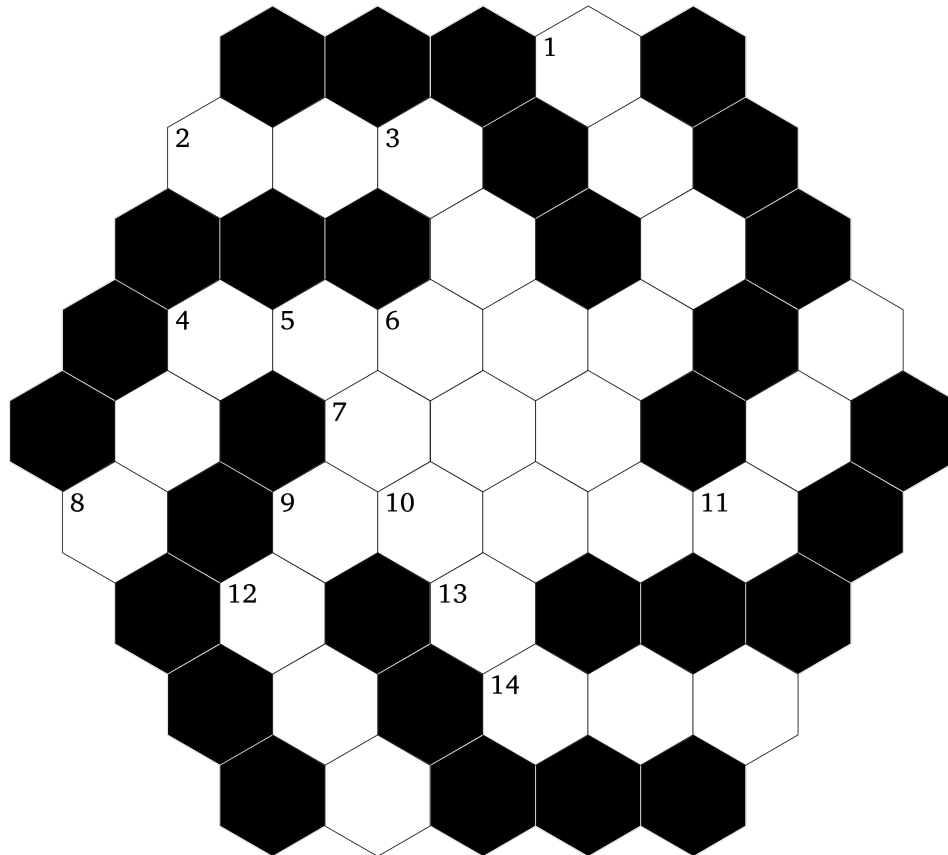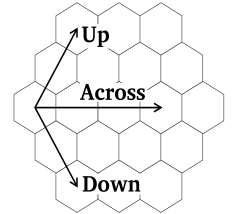# TripleCross - Intermediate Puzzle #54

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

2 All digits are the same
4 A prime number
7 1 down minus 11 up
9 Five times a prime number
14 Three-fifths of 7 across

Up

8 Twice the result of 6 down plus 14 across
10 Last two digits are the same as last two digits of 7 across
11 Twenty-seven times a prime number
12 Two thousand eight hundred fifty-seven more than 3 down
13 Mean of 9 across and 2 across

Down

1 One hundred forty-four more than 8 up
3 Six times a prime number
5 Eighty-six times a prime number
6 14 across minus 12 down
12 12 up divided by 10 up

Solution: