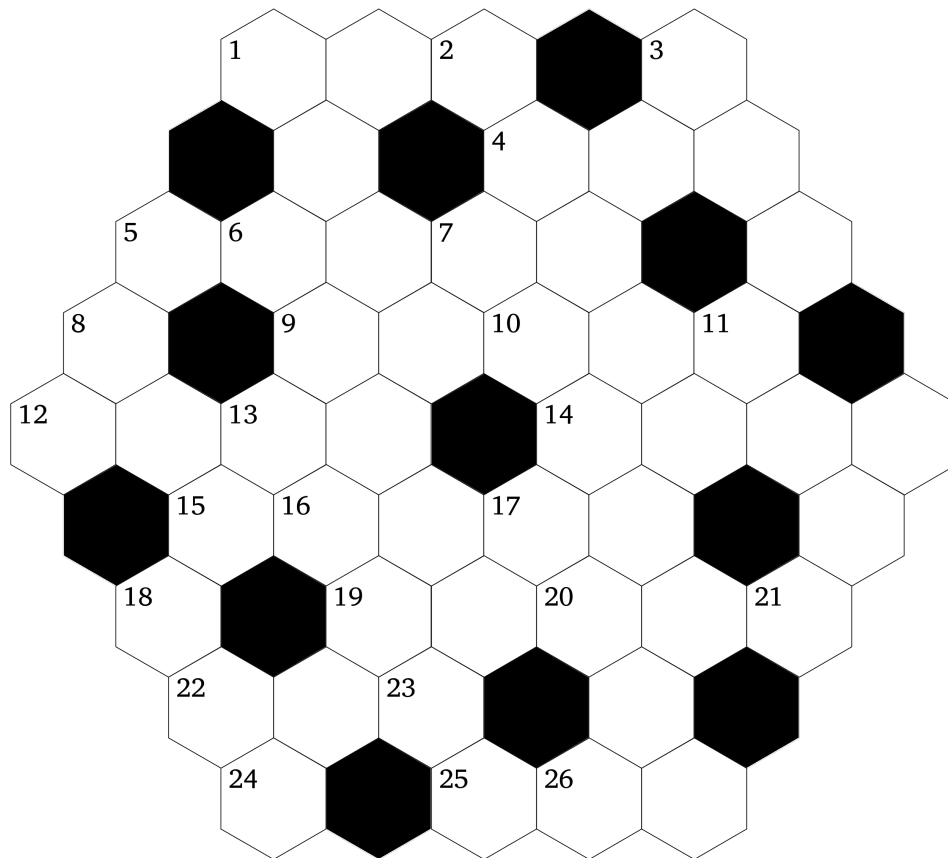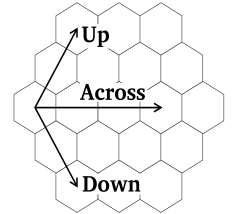Difficulty: ★★☆☆☆

TripleCross - Challenging Puzzle #41

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 Eight times a prime number
4 Twice a prime number
5 Six times a square
9 Seven thousand forty-eight more than 7 down
12 Sixty times a prime number
14 Forty times a prime number
15 5 across minus 1 across
19 Five thousand three hundred six more than 2 down
22 18 down minus 26 up
25 Twelve times a prime number

Up

6 Thirty-seven less than 11 down
10 19 across minus 13 down
12 Eighteen times a prime number
16 Five thousand fifteen less than 6 down
18 Four thousand nine hundred nine more than 7 down
20 16 up plus half of 18 up
21 1 down minus half of 14 across
23 9 across minus half of 25 across
24 Rearranged digits of 10 up
26 A prime number

Down

1 Three times 11 down
2 Twenty-three times a prime number
3 Fourteen times a square
6 Twelve thousand seven hundred eighty-six less than 5 across
7 Sixty-seven times a prime number
8 12 across minus half of 3 down
11 Forty times a prime number
13 Five times a prime number
17 Twice a prime number
18 Fourteen times a prime number

Solution: