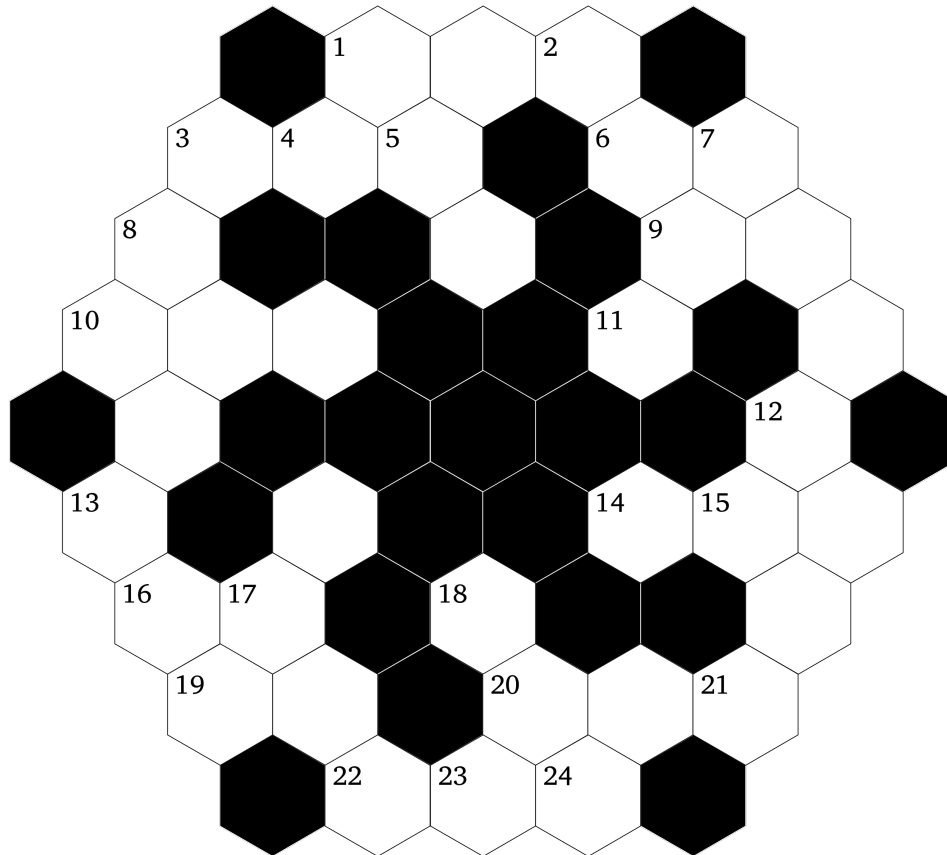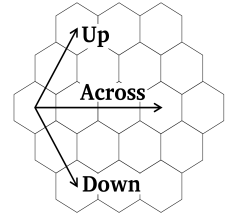Difficulty: ★☆☆☆☆

TripleCross - Intermediate Puzzle #72

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 Mean of 10 down and 10 across
3 8 down plus 5 up
6 8 down minus 19 across
9 17 down minus 11 up
10 Thirty-seven times 6 across
14 Mean of 20 across and 1 down
16 Twice 10 down
19 Mean of 16 across and 4 up
20 1 down minus 19 across
22 Forty-five times a prime number

Up
4 2 down minus 10 across
5 4 up plus 6 across
10 Mean of 13 down and 5 up
11 Twice 23 up
13 6 across times 4 up
15 Five times a prime number
19 14 across plus 22 across
21 10 across plus 15 up
23 A square
24 Mean of 10 down and 4 up

Down
1 Forty times a prime number
2 Forty-three times 6 across
7 Mean of 1 across and 17 down
8 22 across minus 10 up
10 Mean of 15 down and 24 up
12 11 up minus 9 across
13 24 up plus 21 up
15 12 down divided by three
17 A square
18 2 down reversed

Solution: