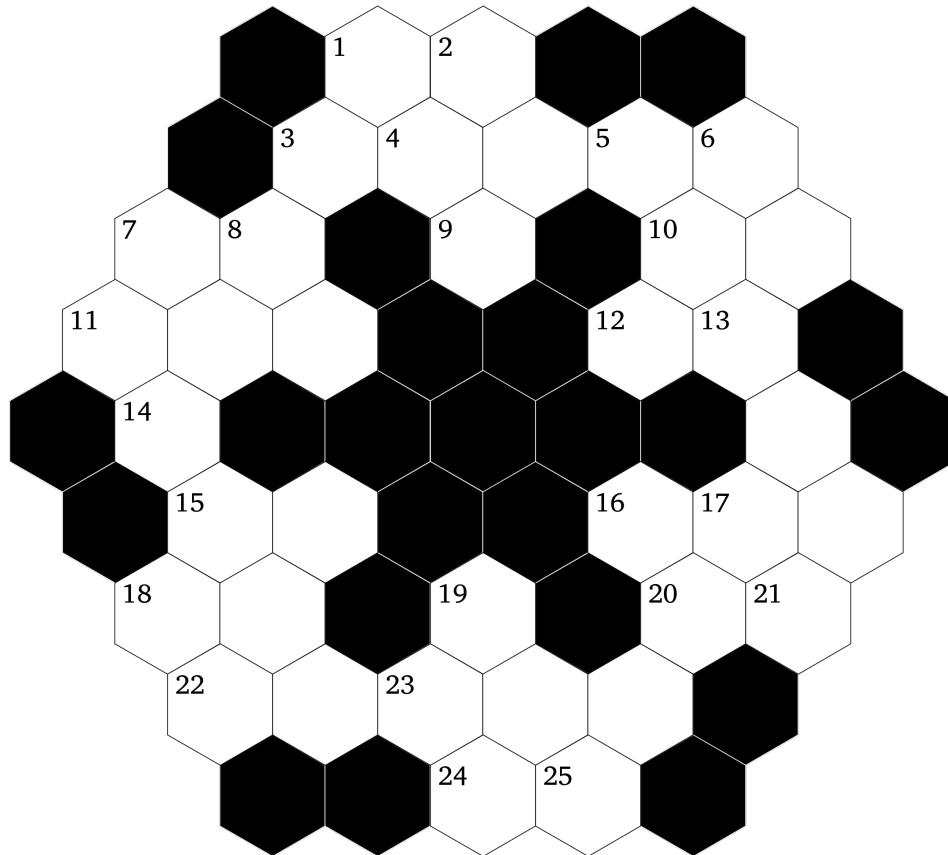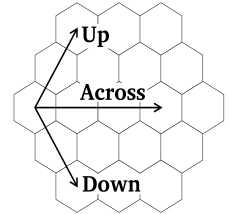Difficulty: ★☆☆☆☆

TripleCross - Intermediate Puzzle #58

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.

Up

Across

Down

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 23 up plus 13 up
3 Seven times a prime number
7 15 across plus 13 up
10 21 up minus 15 across
11 Nine times 9 up
12 24 across plus 1 across
15 18 across plus 18 up
16 A prime number
18 Four-fifths of 24 across
20 12 across plus 23 up
22 Seventy-three times a prime number
24 16 down divided by five

Up

4 Consecutive digits in descending order
9 23 up plus 13 up
11 21 up minus 15 across
12 Thirty-nine times 18 down
13 15 across minus 18 down
14 Six thousand ninety-three more than 3 across
18 Mean of 23 up and 18 down
21 7 down plus 24 up
22 Mean of 11 across and 24 up
23 Sum of digits in 22 across
24 7 across minus 11 up
25 3 across minus 16 down

Down

1 Twice the result of 22 up plus 18 across
2 Twice 7 down
5 A prime number
6 Three-fourths of 22 up
7 12 up divided by 13 up
8 21 up plus half of 20 across
11 First two digits are the same as 1 across
16 Mean of 17 down and 2 down
17 Seven times 18 across
18 7 across minus 1 across
19 11 down divided by 4 up
23 Same as 18 down

Solution: