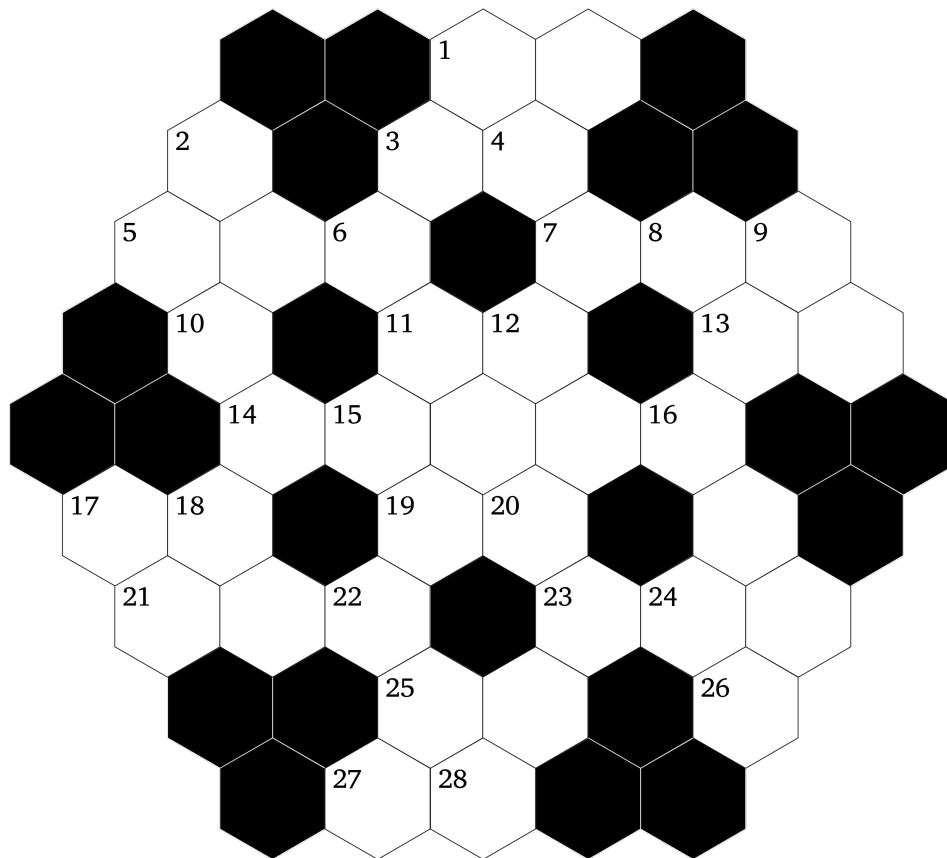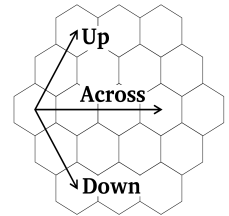# TripleCross - Challenging Puzzle #47

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 11 across minus 26 up
3 17 across plus 27 across
5 A prime number
7 28 up plus 17 across
11 25 across plus 9 down
13 Mean of 27 up and 19 across
14 Nine times a prime number
17 15 down plus 4 up
19 27 up plus 18 down
21 Eleven times 9 down
23 Eleven times 19 across
25 A square
27 Mean of 18 down and 24 down

Up

4 5 down divided by 8 down
5 15 up plus 9 down
6 A prime number
10 Sum of digits in 22 up
15 17 across minus 24 up
16 15 down plus 2 down
20 Same as 5 up
21 Mean of 5 across and 20 up
22 Twenty-eight times a prime number
24 Half of 2 down, then subtract 27 up
26 Mean of 5 up and 19 across
27 9 down minus 4 up
28 8 down plus 22 down

Down

1 9 down plus 17 across
2 Same as 3 across
5 Forty-two times 10 up
6 Forty-two times a prime number
8 9 down minus 1 across
9 24 up plus 4 up
12 15 up plus 13 across
15 16 up minus 3 across
16 Mean of 7 across and 15 down
17 Mean of 12 down and 17 across
18 Twice the result of 16 down minus 22 down
22 3 across plus 19 across
24 26 up minus 15 down

Solution: