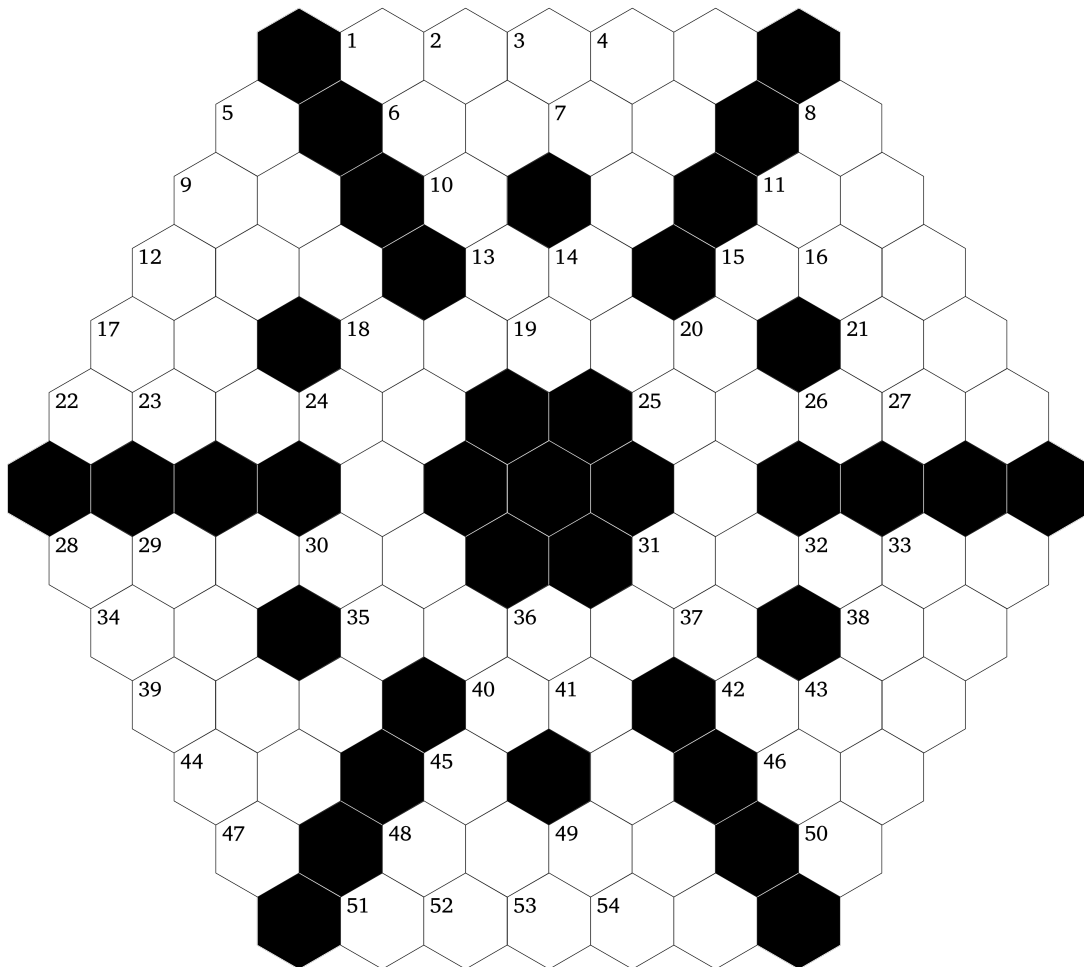
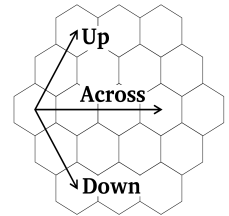


TripleCross - Hard Puzzle #30

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** A prime number
6 52 up plus half of 48 across
9 12 down divided by 9 down
11 12 across minus 46 across
12 Mean of 26 up and 40 across
13 38 across minus 34 across
15 One hundred fourteen less than 53 up
17 Mean of 27 up and 2 down
18 Eleven times a prime number
21 52 up minus 20 down
22 Twice the result of 51 up minus 50 up
25 First two digits are the same as first two digits of 45 down
28 Fifteen thousand one hundred twenty-seven more than 1 down
31 28 across plus 34 across
34 52 up minus 9 across
35 One thousand sixty-two less than 36 down
38 12 across minus 24 up
39 17 across plus 17 down
40 Mean of 17 down and 52 up
42 6 up plus 49 down
44 49 down minus 34 across
46 9 down plus 43 down
48 Seventy-three times 12 across
51 Three times a prime number

Up

- 6** Same as 43 down
7 Mean of 6 up and 16 up
10 21 across plus 45 down
16 4 down plus 38 across
19 Forty-one times a prime number
22 Eleven thousand eight hundred eighty-one more than 30 up
23 Eleven times a prime number
24 12 across minus 52 up
25 Five thousand nine hundred thirty-six less than 5 down
26 40 across plus 11 across
27 Mean of 48 down and 12 across
30 Eighty-three times a prime number
34 43 down plus 9 down
37 46 up divided by 11 across
39 17 down plus 48 down
41 Ten thousand two hundred forty-six more than 36 down
44 40 across minus 9 across
46 Ninety-one times 34 up
47 18 across plus 9 down
50 Consecutive digits unordered
51 Seventy-five times a prime number
52 Mean of 33 down and 30 down
53 Eight times 17 down
54 Mean of 4 down and 39 up

Down

- 1** Seven thousand fourteen more than 8 down
2 Half of 39 across
3 Eight times a prime number
4 Sum of digits in 25 up
5 A palindrome
8 Twice the result of 25 across plus 23 up
9 12 down divided by 13 across
11 A prime number
12 12 across plus 16 up
14 Two thousand nine hundred ninety-seven less than 51 up
17 39 up minus 40 across
20 11 across minus 4 down
24 Mean of 41 up and 11 down
28 19 up plus half of 5 down
29 One thousand eighty-one more than 48 across
30 26 up minus 17 down
31 Twice a prime number
32 Mean of 6 up and 53 up
33 12 across minus 9 across
36 A prime number
43 48 down minus 6 up
45 1 down divided by 10 up
48 26 up minus 11 across
49 9 down plus 17 across

Solution:

