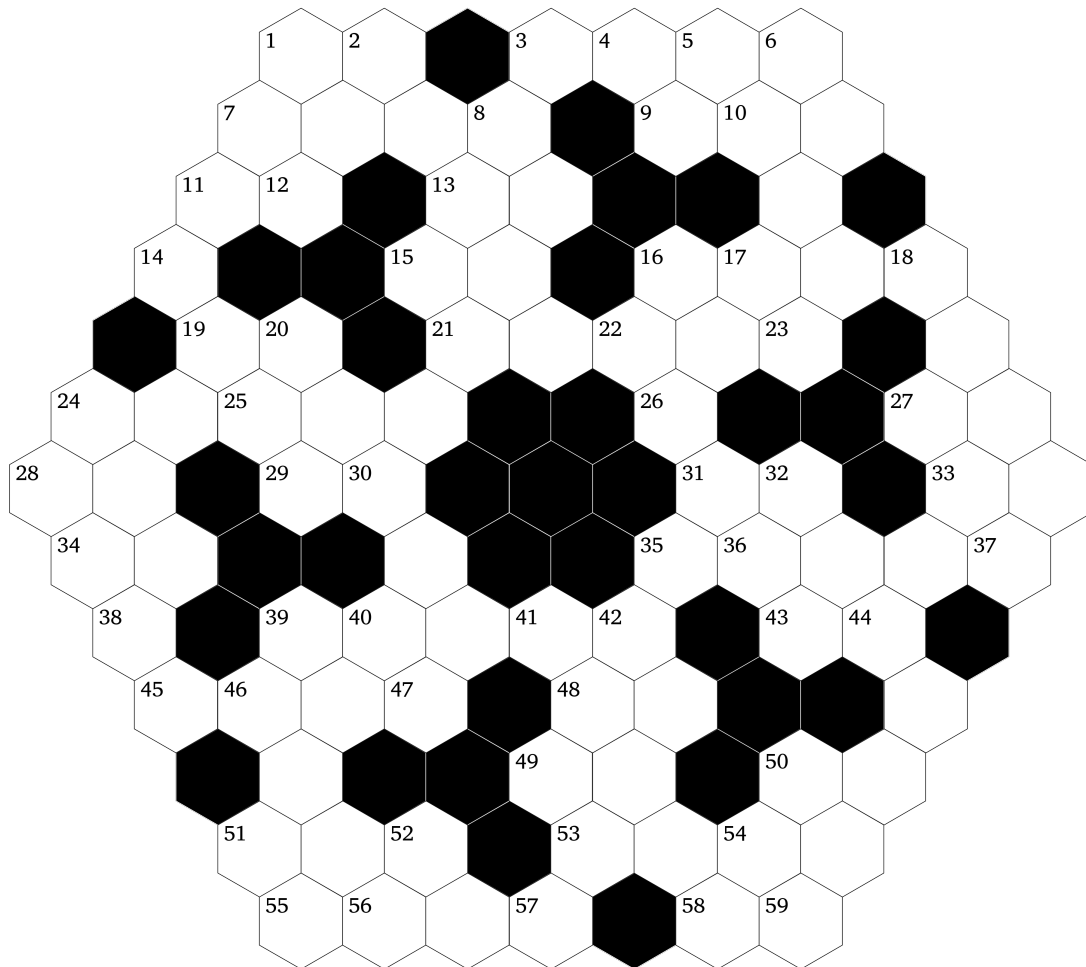
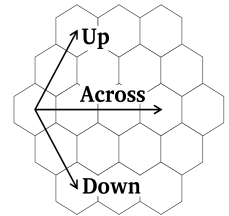


TripleCross - Hard Puzzle #23

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** 45 across divided by 31 across
3 Fifty-seven times a prime number
7 Fifteen times a square
9 Mean of 16 across and 23 up
11 46 down divided by 46 up
13 Mean of 27 across and 28 up
15 37 up plus 42 down
16 Twice a prime number
19 58 across plus 47 up
21 Nineteen times a prime number
24 Thirty-eight times a prime number
27 Mean of 38 up and 31 across
28 50 across plus 29 across
29 15 across minus half of 11 across
31 A cube
33 40 down minus 23 up
34 13 across minus 50 across
35 Forty-three times a square
39 Last two digits are the same as last two digits of 14 down
43 10 up minus 29 up
45 46 down minus 29 across
48 A square
49 52 down minus 34 across
50 10 up minus 19 across
51 Fifty-two times 54 down
53 Thirteen times a prime number
55 Twenty-eight times a prime number
58 38 up minus 43 across

Up

- 9** 8 down plus 33 across
10 49 down plus 4 down
12 Eight times a prime number
14 Twice the result of 34 up plus 10 up
15 55 up plus 44 up
22 51 down minus 9 up
23 27 up plus half of 37 up
25 46 down divided by 46 up
26 A prime number
27 50 across plus 49 down
28 55 up plus half of 8 down
29 Mean of 42 down and 47 up
30 Thirteen thousand three hundred seventy-three less than 41 down
34 Four times a prime number
36 10 up minus 33 across
37 Mean of 31 across and 17 down
38 1 down plus half of 56 up
43 51 down minus half of 15 down
44 Seven times a prime number
46 25 up minus 43 across
47 11 across minus 50 down
49 51 up minus 30 up
51 Twice a prime number
55 15 across minus 43 up
56 8 down plus 55 up
57 51 down times 48 across
58 2 down divided by 52 down
59 44 up plus 16 across

Down

- 1** Mean of 58 across and 34 across
2 Eighty-nine times a prime number
4 Mean of 16 down and 6 down
5 Forty-one times 23 up
6 3 across divided by 27 across
7 43 up plus 47 up
8 Mean of 56 up and 33 across
14 Five times a prime number
15 Mean of 15 across and 52 down
16 49 down minus half of 4 down
17 15 down minus 29 up
18 Sixteen times a prime number
20 Eight hundred sixteen less than 41 down
22 Mean of 41 down and 57 up
24 Mean of 27 across and 9 across
27 Mean of 55 up and 51 across
28 A prime number
32 Last two digits are the same as 52 down
39 55 up reversed
40 31 across plus 27 across
41 Sixty-seven times a prime number
42 36 up minus 37 up
46 10 up times 33 across
49 Mean of 42 down and 22 up
50 19 across minus 28 across
51 1 across plus 29 up
52 47 up plus 1 across
54 Same as 50 down

Solution:

