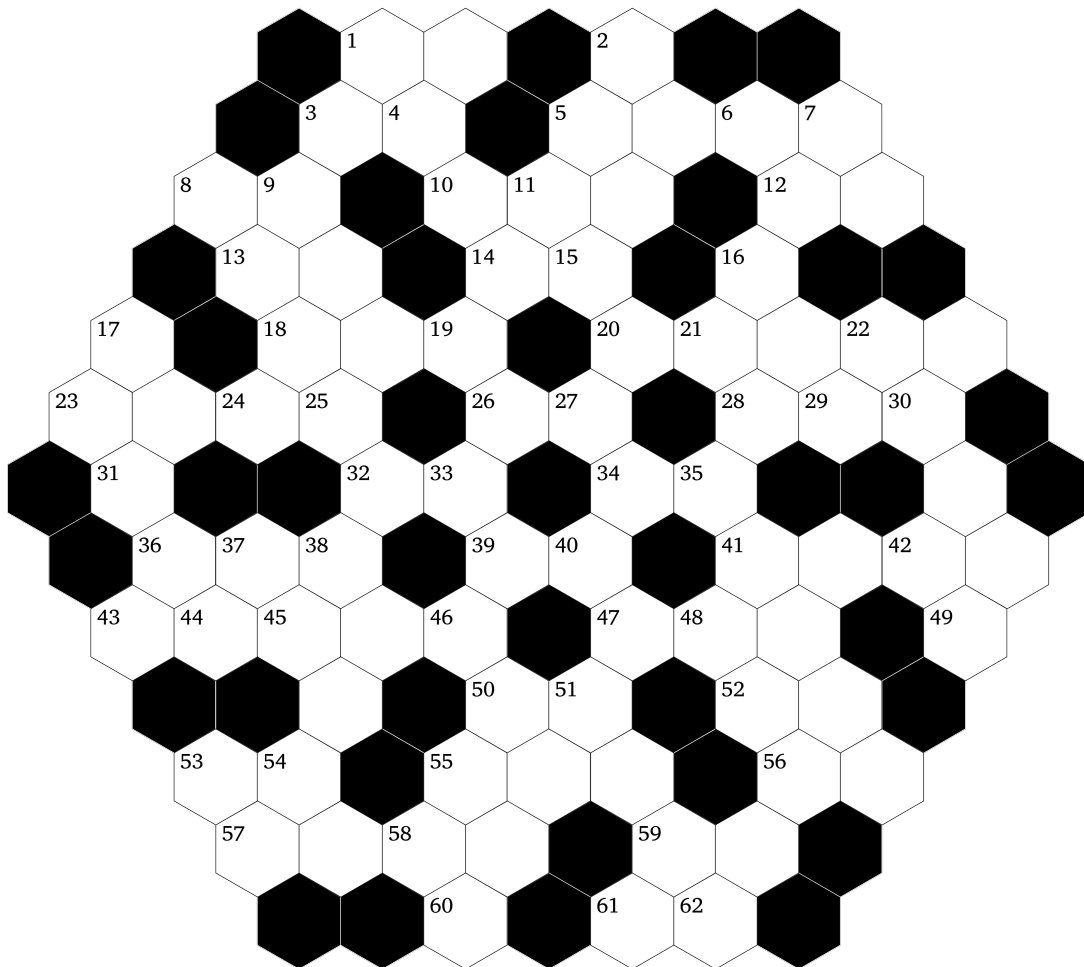
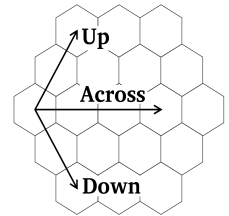


TripleCross - Challenging Puzzle #39

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 square
3 Two-fifths of 23 up
5 17 down times 50 across
8 Mean of 31 up and 25 up
10 28 across plus 46 up
12 2 down minus 55 down
13 Mean of 24 up and 61 up
14 59 across plus 21 down
18 31 up plus 52 across
20 Sixteen times a prime number
23 Four hundred sixty-three less than 23 down
26 52 across minus 8 across
28 Mean of 44 up and 9 down
32 Mean of 42 down and 30 up
34 Same as 31 up
36 Twice the result of 57 up minus 37 down
39 Mean of 38 down and 4 up
41 Half of 13 up, then subtract 46 down
43 Seven times a prime number
47 Twice a prime number
50 Mean of 12 across and 14 across
52 2 down minus 43 up
53 A square
55 38 down plus 2 down
56 40 up minus 42 up
57 Mean of 1 down and 54 down
59 31 up minus 38 down
61 42 up minus 55 down

Up

- 4** A square
13 Thirty-eight times a square
15 Mean of 2 down and 9 down
19 Eleven times a prime number
21 All digits are the same
23 49 up minus 54 down
24 55 across minus 27 down
25 Mean of 55 down and 23 up
27 2 down minus 17 down
29 Mean of 34 across and 55 down
30 Half of 8 down, then subtract 20 across
31 42 down plus 40 up
33 49 up minus 39 across
35 Thirty-two times 59 across
40 4 up plus 33 up
42 Mean of 43 up and 25 up
43 49 up minus 40 down
44 40 down plus 30 up
45 Twice a prime number
46 40 down reversed
48 2 down minus 34 across
49 61 across plus 23 up
52 Six times a prime number
57 Mean of 12 across and 41 across
58 Mean of 56 across and 9 down
60 35 down plus half of 23 down
61 23 up minus 29 up
62 Four times a prime number

Down

- 1** A prime number
2 9 down minus 35 up
5 Mean of 34 across and 43 up
6 53 across minus 58 down
7 8 across plus 42 up
8 Four times a prime number
9 12 across plus 10 across
11 Half of 16 down, then subtract 12 across
16 27 up plus 52 up
17 Mean of 5 down and 13 across
19 32 across minus 59 across
21 56 across plus 13 across
22 Twice a prime number
23 A square
27 Mean of 31 up and 56 across
33 40 up minus 58 down
35 Last two digits are the same as 53 across
37 36 across minus 61 across
38 Mean of 24 up and 55 down
40 A square
42 7 down minus 8 across
46 Five times a prime number
48 15 up plus 43 up
51 Forty-nine times a prime number
53 A square
54 17 down minus 27 up
55 53 across minus 49 up
58 Mean of 32 across and 33 down

Solution:

