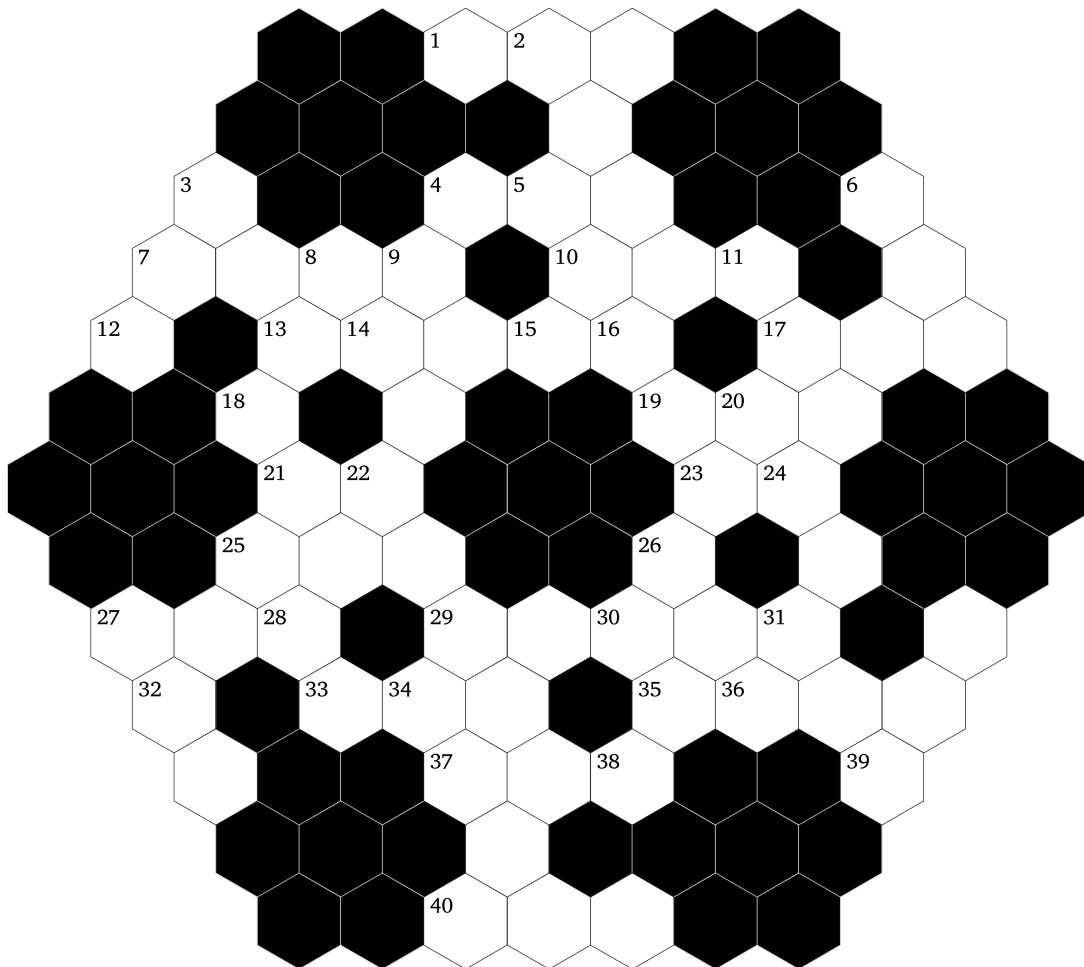
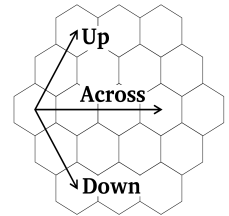


TripleCross - Challenging Puzzle #39

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 Twice the result of 7 across minus 18 up
- 4 25 down minus 9 down
- 7 6 down plus 40 across
- 10 Mean of 34 down and 30 down
- 13 Thirty-seven times a prime number
- 17 40 across minus 34 up
- 19 Three times a prime number
- 21 Twice a prime number
- 23 25 across minus 33 across
- 25 23 across plus 25 down
- 27 16 up plus 20 down
- 29 Twice a prime number
- 33 9 down plus 15 up
- 35 Twelve times a prime number
- 37 7 across divided by five
- 40 Five times a prime number

Up

- 5 27 across minus 37 across
- 12 1 across minus 23 across
- 14 Mean of 25 across and 12 up
- 15 Mean of 17 across and 38 up
- 16 Half of 21 across
- 18 27 across plus 21 across
- 24 Last two digits are the same as last two digits of 40 up
- 28 Five thousand six hundred nine less than 13 across
- 30 A prime number
- 32 Mean of 24 up and 16 up
- 34 27 down divided by sixty-three
- 36 Half of 15 up, then subtract 37 across
- 37 Twice a square
- 38 40 up minus 39 up
- 39 Mean of 5 up and 9 down
- 40 Six more than 27 down

Down

- 2 Seven times a prime number
- 3 Twice a prime number
- 5 22 down minus half of 20 down
- 6 27 across minus 11 down
- 8 Four-fifths of 27 down
- 9 23 across minus 21 across
- 11 Mean of 10 across and 27 down
- 18 A prime number
- 20 Three times 1 across
- 22 Last two digits are the same as last two digits of 19 across
- 25 Twice the result of 37 up plus 26 down
- 26 A square
- 27 18 up plus 30 down
- 30 37 up divided by sixteen
- 31 Its digits total 30 down
- 34 40 across plus half of 38 up

Solution:

