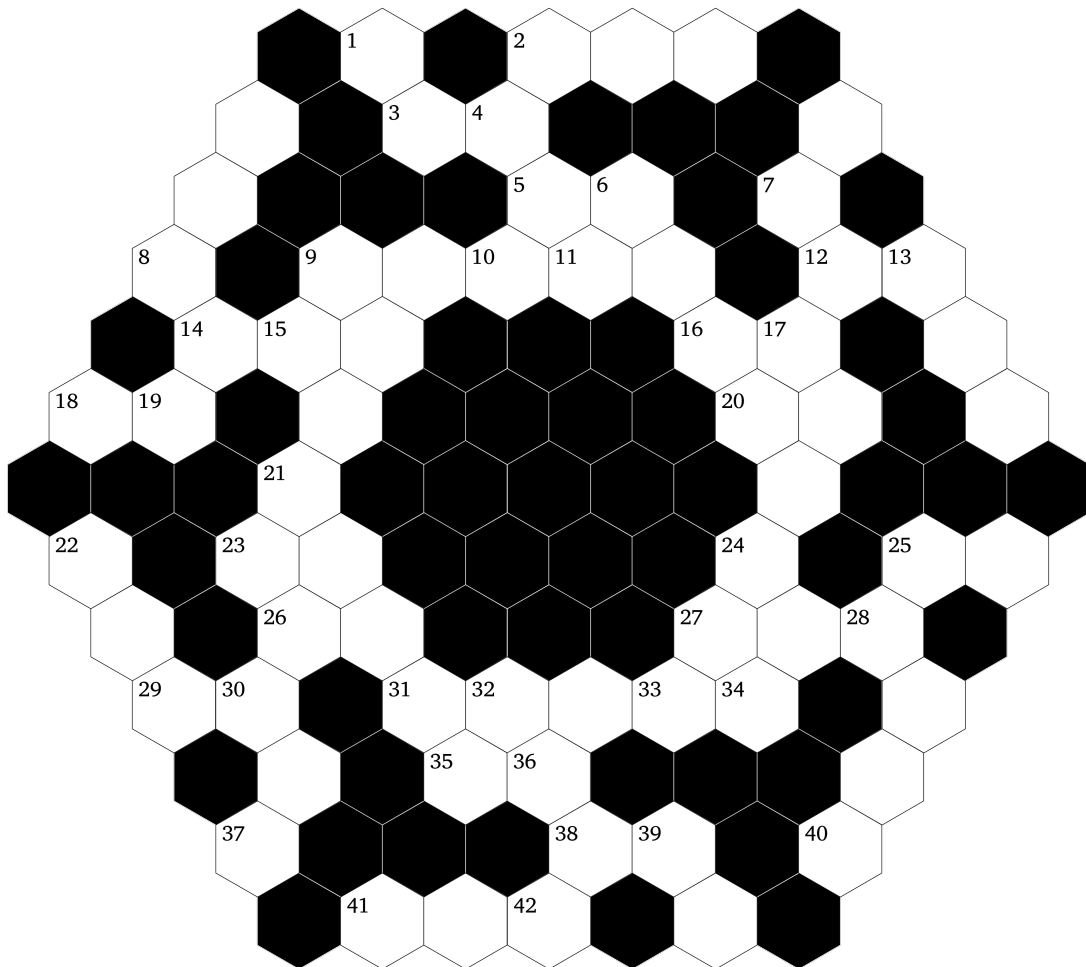
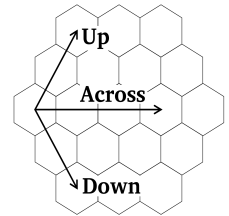


TripleCross - Challenging Puzzle #45

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

- 2 39 down plus 8 down
 3 2 across minus 11 up
 5 Mean of 39 down and 10 up
 9 Four times a prime number
 12 35 across minus 1 down
 14 A prime number
 16 15 up minus 17 down
 18 32 down divided by 27 down
 20 30 down minus half of 25 across
 23 Half of 39 down, then subtract 29 across
 25 4 up minus 36 up
 26 A square
 27 20 across plus 32 down
 29 37 up minus 8 down
 31 Twice the result of 9 across minus 8 up
 35 32 down divided by three
 38 29 across plus 11 up
 41 Eight times a prime number

Up

- 4 18 across plus 3 across
 7 22 down minus half of 37 up
 8 Six times 2 across
 10 23 up divided by 41 across
 11 20 across plus 36 up
 15 A square
 19 Mean of 24 down and 26 across
 20 15 down plus 1 down
 23 First two digits are the same as first two digits of 13 down
 28 Same as 29 across
 30 4 up plus 1 down
 33 A prime number
 34 38 across minus 3 across
 35 Mean of 42 up and 39 down
 36 Mean of 5 across and 24 down
 37 39 down plus 10 up
 40 21 down divided by 1 down
 42 Mean of 1 down and 7 down

Down

- 1 3 across minus 27 down
 4 Thirty-nine less than 8 up
 6 Seven times a prime number
 7 38 across minus 10 up
 8 30 up minus half of 24 down
 9 A square
 13 15 down plus 19 up
 15 Mean of 39 down and 24 down
 17 24 down divided by six
 21 First two digits are the same as 26 across
 22 37 up plus 20 across
 23 38 across minus 11 up
 24 Mean of 20 up and 1 down
 27 Mean of 28 up and 20 across
 28 Half of 5 across, then subtract 12 across
 30 10 up minus 23 across
 32 Six times 34 up
 39 15 up minus 25 across

Solution:

