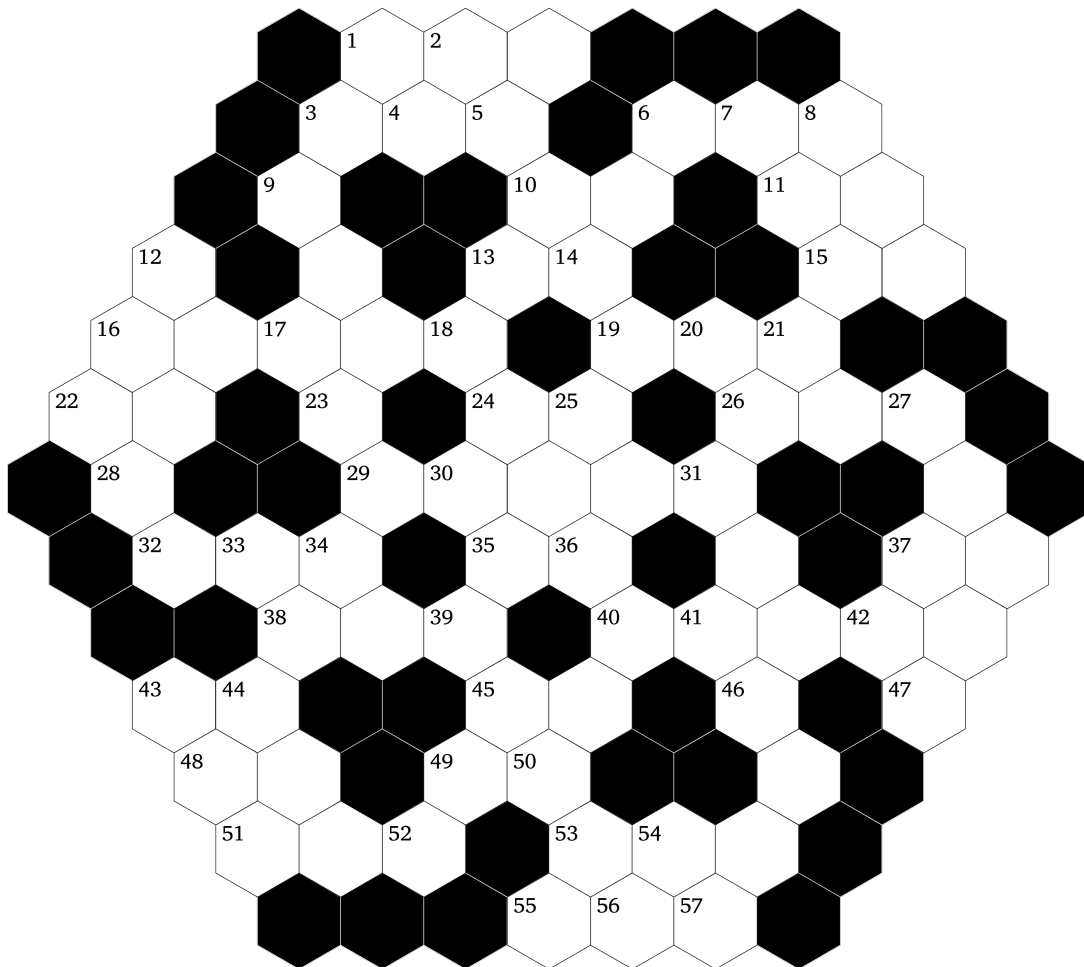
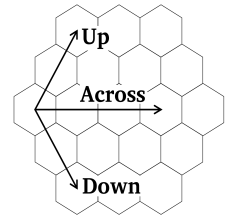


TripleCross - Challenging Puzzle #46

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 6 across plus 43 across
 3 Mean of 14 up and 37 down
 6 24 across plus 26 across
 10 Same as 17 up
 11 A square
 13 41 down minus 32 across
 15 11 up plus 54 down
 16 Fifty-one times a prime number
 19 18 down divided by 24 across
 22 Same as 15 across
 24 Mean of 41 up and 10 across
 26 6 across minus 12 down
 29 Twenty-two times a prime number
 32 Mean of 9 up and 55 across
 35 50 up divided by six
 37 Same as 23 up
 38 Mean of 25 down and 1 across
 40 Four times a prime number
 43 11 across plus 1 down
 45 1 down minus 21 down
 48 1 down minus 11 across
 49 41 up plus 21 down
 51 17 down minus 42 up
 53 17 up plus 17 down
 55 9 up minus 22 across

Up

- 4 37 across minus 11 up
 5 30 up minus 23 up
 9 27 down plus 50 up
 11 56 up minus 23 up
 14 Twice the result of 51 across plus 15 across
 17 9 up minus 32 across
 18 31 up divided by 49 across
 22 Sixty-one times 11 up
 23 35 across minus 46 up
 28 Four times a prime number
 30 Mean of 42 down and 33 down
 31 Last two digits are the same as 36 up
 36 57 up minus 4 up
 39 Eighteen times a prime number
 41 Mean of 37 across and 43 across
 42 7 down minus 47 up
 46 Twice the result of 57 up minus 34 down
 47 22 down minus 3 across
 48 A prime number
 50 Mean of 22 up and 23 up
 51 Mean of 21 down and 16 down
 52 19 across plus 57 up
 55 11 across plus 37 down
 56 37 across plus 51 up
 57 37 across plus 54 down

Down

- 1 16 down plus 13 across
 2 Eighty-eight times a prime number
 7 9 down plus 42 up
 8 9 up minus 1 down
 9 46 up plus 9 up
 12 37 down plus 11 across
 16 A square
 17 Mean of 43 down and 11 up
 18 19 across times 12 down
 20 54 down minus 11 up
 21 41 up minus 25 down
 22 9 down plus 3 across
 25 33 down minus 37 down
 27 A prime number
 30 Mean of 4 up and 22 across
 31 Twice a prime number
 33 20 down plus 4 up
 34 9 up divided by seven
 37 5 up plus 11 across
 39 55 across times 33 down
 41 30 up plus 32 across
 42 Sum of digits in 40 across
 43 Twenty-three times a prime number
 44 22 down minus 42 up
 54 Mean of 20 down and 36 up

Solution:

