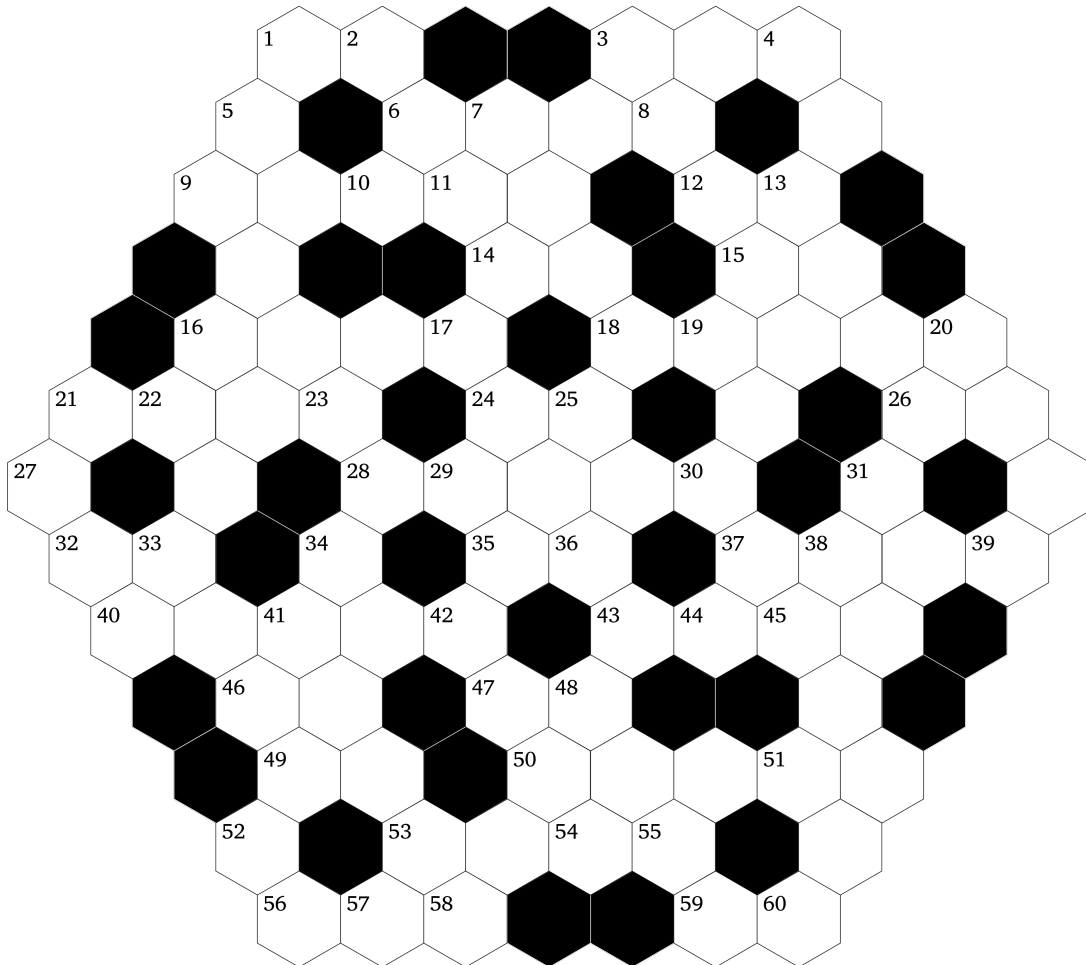
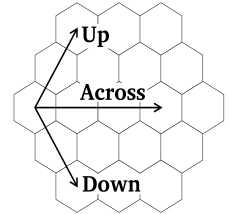


TripleCross - Hard Puzzle #19

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 Half of 42 down, then subtract 13 down
 3 Twice a prime number
 6 51 up plus 38 down
 9 Last two digits are the same as 14 across
 12 A square
 14 Mean of 34 down and 11 up
 15 51 down minus 29 down
 16 19 up minus 22 down
 18 Twelve thousand nine hundred thirty-six more than 3 down
 21 Half of 9 across, then subtract 30 down
 24 46 across minus 27 up
 26 Mean of 5 down and 22 down
 28 First two digits are the same as first two digits of 21 across
 32 33 down divided by 59 across
 35 14 across plus 54 up
 37 41 down minus 48 down
 40 Six times a prime number
 43 Consecutive digits unordered
 46 4 down reversed
 47 5 down minus 26 across
 49 Mean of 51 down and 5 down
 50 Twenty-two times a prime number
 53 46 up plus half of 9 up
 56 Three times 1 across
 59 A square

Up

- 8 11 up minus 22 down
 9 Twice a prime number
 10 36 up minus 32 across
 11 Mean of 16 down and 54 up
 17 A prime number
 19 Thirty-nine times a prime number
 22 8 up plus half of 43 across
 23 44 up minus 47 across
 27 25 down minus 11 up
 29 A square
 30 Twenty times a prime number
 36 19 down plus 8 up
 39 Mean of 47 across and 51 down
 40 One thousand seven hundred eighty-one less than 40 across
 42 Twice the result of 40 across minus 56 across
 44 51 down minus 15 across
 45 Mean of 3 down and 20 down
 46 Two thousand one hundred forty-four less than 6 across
 51 6 across minus 12 across
 52 Forty-three times 54 up
 54 31 down minus 14 across
 55 4 down plus 47 across
 57 46 across minus 44 up
 58 Eighteen thousand eight hundred seventeen more than 9 across
 60 Twice a prime number

Down

- 2 Thirty-five times a prime number
 3 Twenty-two thousand two hundred ninety-nine less than 58 up
 4 2 down minus 7 down
 5 Mean of 54 up and 32 across
 7 Fifty-four times 25 down
 9 A prime number
 13 Eighteen times a prime number
 16 Mean of 5 down and 32 across
 17 Mean of 50 across and 36 up
 19 Twice the result of 27 up plus 52 down
 20 56 across minus 54 up
 22 35 across minus 46 across
 25 55 up minus 23 up
 27 Six times 29 down
 29 36 up reversed
 30 First two digits are the same as 44 up
 31 Same as 51 down
 33 Forty-nine times a prime number
 34 Mean of 12 across and 19 down
 38 A square
 41 A prime number
 42 One thousand ten more than 48 down
 48 Sixteen times a prime number
 51 39 up plus 54 up
 52 15 across minus 14 across

Solution:

