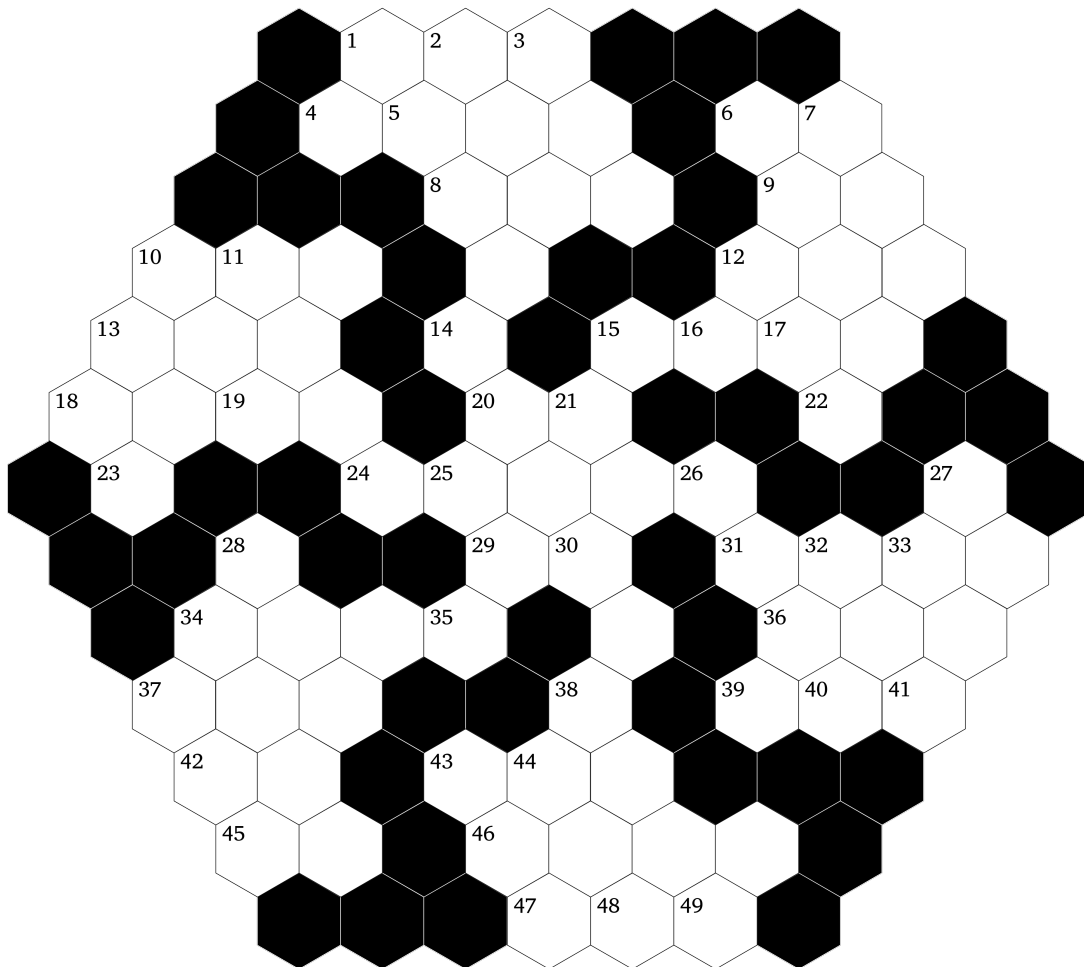
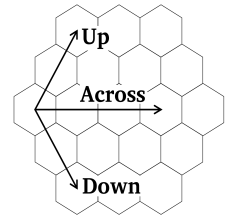


TripleCross - Challenging Puzzle #15

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 14 down divided by 5 up
- 4 16 up plus 12 down
- 6 43 across divided by twelve
- 8 19 up plus 13 down
- 9 45 across minus 20 across
- 10 37 down minus 33 down
- 12 Mean of 42 up and 41 up
- 13 41 up plus 20 across
- 15 25 down times 18 down
- 18 45 up minus 44 down
- 20 32 down divided by thirteen
- 24 Its digits total 48 up
- 29 A square
- 31 One thousand three hundred forty less than 45 up
- 34 Nine times a prime number
- 36 14 up minus 47 up
- 37 42 up reversed
- 39 Mean of 22 up and 10 across
- 42 27 down minus 48 up
- 43 Twelve times a prime number
- 45 28 down minus 4 up
- 46 26 down minus 13 across
- 47 3 down plus 13 across

Up

- 4 Same as 25 down
- 5 A square
- 8 25 up plus 49 up
- 14 Mean of 6 across and 46 across
- 16 First two digits are the same as first two digits of 43 down
- 17 32 down plus 42 up
- 18 Mean of 25 down and 43 across
- 19 8 up minus 33 down
- 22 40 up minus 7 down
- 23 A prime number
- 25 17 up minus 18 up
- 30 13 down plus 21 down
- 37 11 down minus half of 18 across
- 39 Mean of 37 across and 43 down
- 40 Six times a prime number
- 41 Mean of 37 across and 12 across
- 42 30 up plus 5 up
- 45 Three times a prime number
- 46 First two digits are the same as first two digits of 1 across
- 47 Six times 28 down
- 48 5 up minus 42 across
- 49 37 across minus 13 across

Down

- 1 Rearranged digits of 14 up
- 2 Twenty-four times 20 across
- 3 A square
- 6 38 down plus 3 down
- 7 Mean of 36 across and 17 up
- 10 Mean of 39 across and 19 up
- 11 46 up plus 25 up
- 12 2 down minus 39 up
- 13 45 across minus 42 across
- 14 27 down times 1 across
- 18 15 across divided by 4 up
- 21 20 across minus 29 across
- 25 7 down minus 1 across
- 26 A prime number
- 27 A square
- 28 37 up minus 13 across
- 32 10 across plus 25 up
- 33 25 up minus 9 across
- 34 34 across minus half of 43 across
- 37 42 up plus 13 across
- 38 Seven times a prime number
- 43 A prime number
- 44 Twenty-one times a prime number

Solution:

