

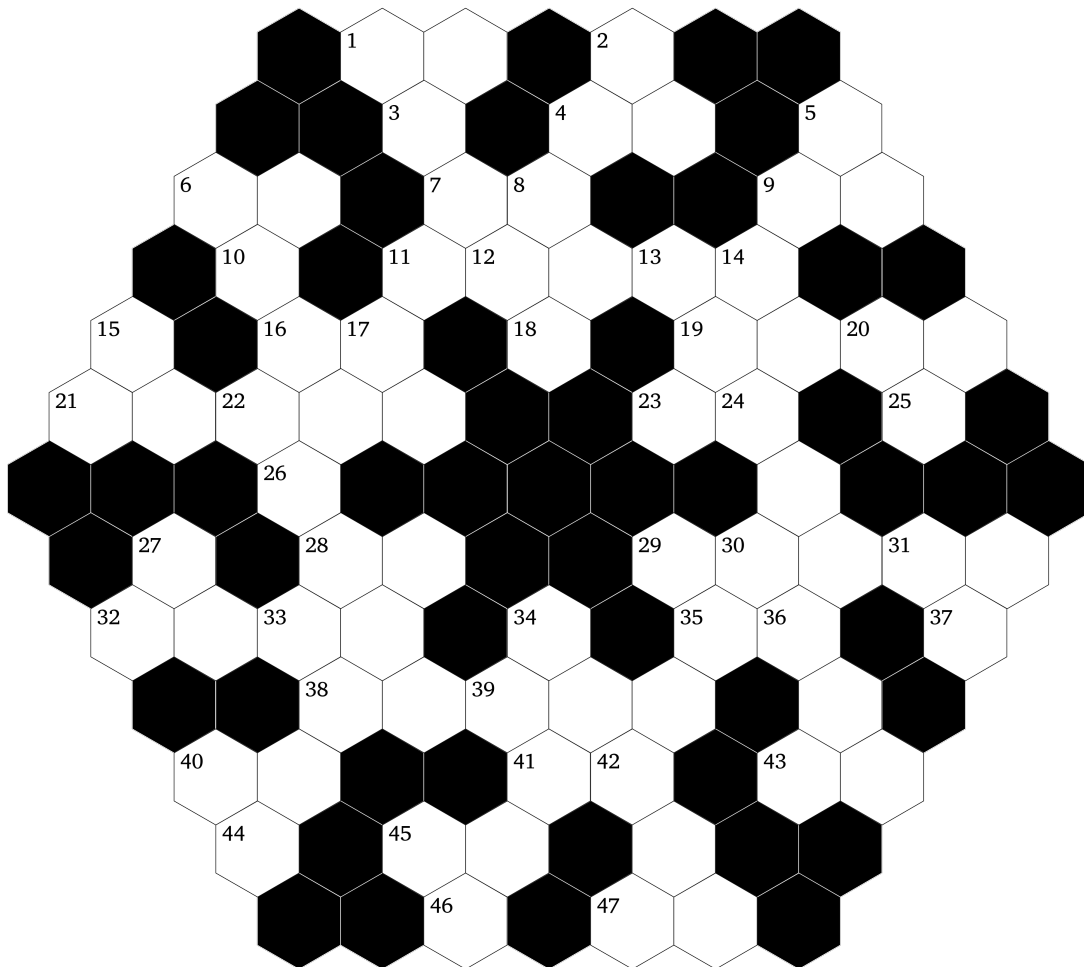
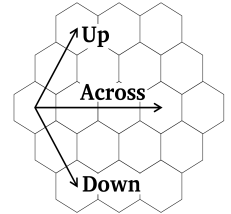
Difficulty: ★★★★★

TripleCross - Hard Puzzle #22

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 Mean of 33 up and 35 across
- 4 35 across minus 37 up
- 6 Mean of 32 up and 21 up
- 7 Half of 24 up, then subtract 33 down
- 9 4 across reversed
- 11 Eight times a prime number
- 16 A square
- 19 Its digits total 6 across
- 21 Twenty-six times a prime number
- 23 Mean of 47 up and 27 down
- 28 17 down minus 22 up
- 29 Twice a prime number
- 32 Forty-four times a prime number
- 35 25 up plus 39 down
- 38 Mean of 26 up and 41 across
- 40 9 across minus 20 down
- 41 45 across minus 1 across
- 43 17 down minus 20 down
- 45 16 across plus 33 down
- 47 5 down plus half of 8 down

Up

- 3 Mean of 39 down and 4 across
- 10 29 across minus 42 up
- 12 Twice a prime number
- 18 1 across plus 28 across
- 21 23 across minus 7 across
- 22 A square
- 23 Forty-one times a prime number
- 24 29 down plus 40 down
- 25 9 across minus 29 down
- 26 A prime number
- 32 Sum of digits in 11 across
- 33 25 up minus half of 27 down
- 36 39 down plus 6 across
- 37 Twice the result of 17 down minus 45 down
- 39 Mean of 3 up and 21 up
- 42 A prime number
- 43 35 across minus 22 up
- 44 Twenty-one thousand ninety-seven more than 22 down
- 46 Twice the result of 30 down minus 45 across
- 47 24 up minus 40 across

Down

- 1 A prime number
- 2 31 down plus 25 up
- 5 23 across minus 21 up
- 6 36 up times 21 up
- 8 Mean of 43 across and 45 across
- 13 Mean of 23 up and 2 down
- 14 Mean of 27 down and 40 across
- 15 4 across minus half of 22 up
- 17 Six times 32 up
- 20 25 up reversed
- 22 Its digits total 43 across
- 27 35 across minus 43 across
- 29 Mean of 41 across and 20 down
- 30 Ninety-one times 39 down
- 31 14 down minus 7 across
- 33 29 down minus 5 down
- 34 Six thousand eight hundred ninety more than 23 up
- 39 22 up minus 33 up
- 40 Mean of 40 across and 47 up
- 45 18 up minus 5 down

Solution:

