

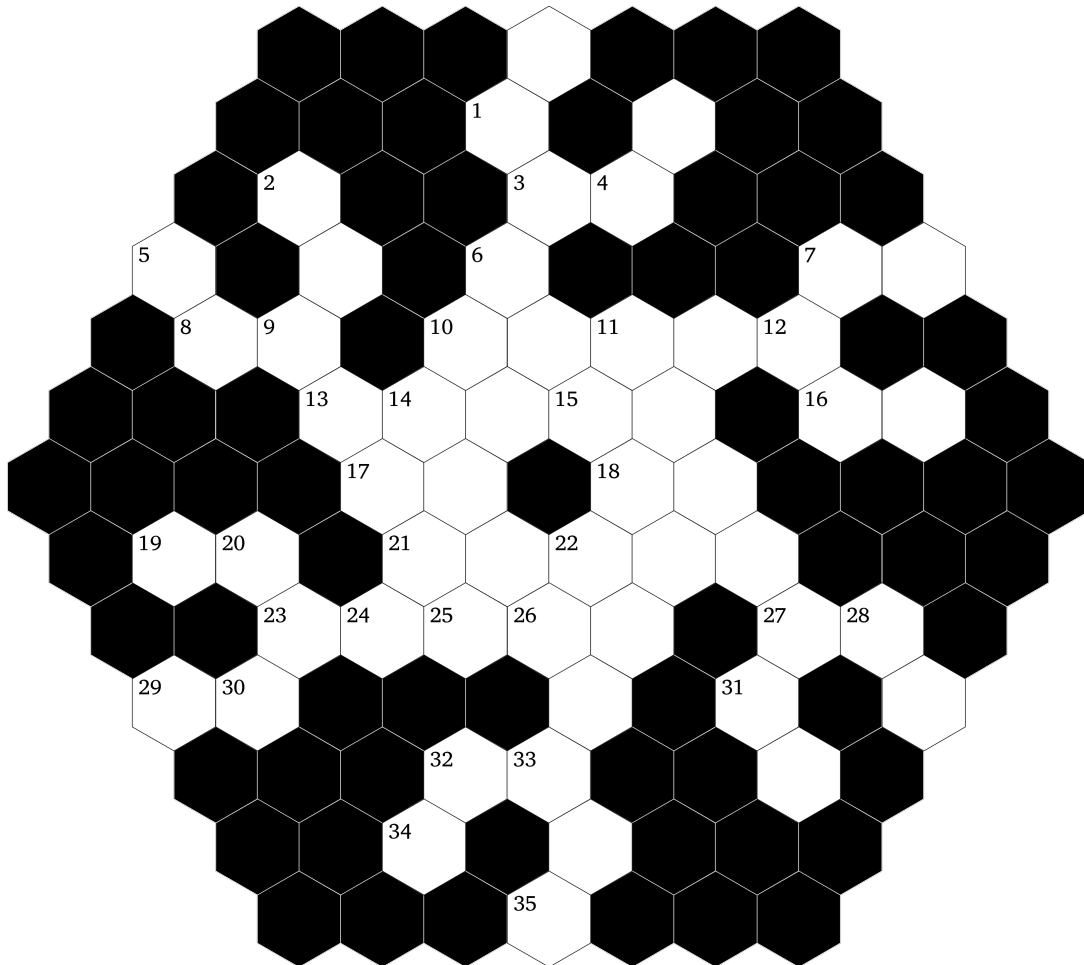
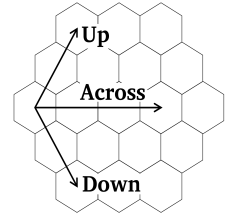
Difficulty: ★★★★★

TripleCross - Hard Puzzle #27

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

- 3 Mean of 31 up and 18 across
- 7 A square
- 8 12 down minus 16 across
- 10 17 up minus 9 up
- 13 Twenty-one thousand seven hundred ninety-six more than 23 across
- 16 31 down minus 28 down
- 17 32 across minus 30 up
- 18 16 across plus 3 across
- 19 Mean of 18 across and 31 up
- 21 Twice the result of 33 up minus 5 down
- 23 Twelve thousand five hundred forty-eight less than 21 across
- 27 10 down minus 4 up
- 29 Mean of 28 down and 8 across
- 32 1 down plus 1 up

Up

- 1 A square
- 4 18 across minus 31 up
- 9 10 down minus 12 down
- 12 15 up plus 16 across
- 15 Mean of 1 down and 16 across
- 17 10 across plus 2 down
- 24 Twenty thousand four hundred twenty-nine less than 6 down
- 25 10 down plus 12 up
- 26 Six thousand two hundred ninety-four less than 33 up
- 30 28 down minus 34 up
- 31 3 across minus 16 across
- 33 Twenty-two times a prime number
- 34 31 down minus 1 up
- 35 26 up minus half of 23 across

Down

- 1 Mean of 33 down and 12 up
- 2 1 up minus 8 across
- 5 16 across plus 3 across
- 6 Last two digits are the same as last two digits of 17 up
- 9 Eight times a prime number
- 10 Mean of 31 up and 4 up
- 11 Rearranged digits of 33 up
- 12 10 down minus 2 down
- 14 Ten times a prime number
- 20 Mean of 16 across and 29 across
- 22 28 down minus 12 down
- 28 17 across plus 2 down
- 31 29 across plus 12 down
- 33 Mean of 1 up and 17 across

Solution:

