

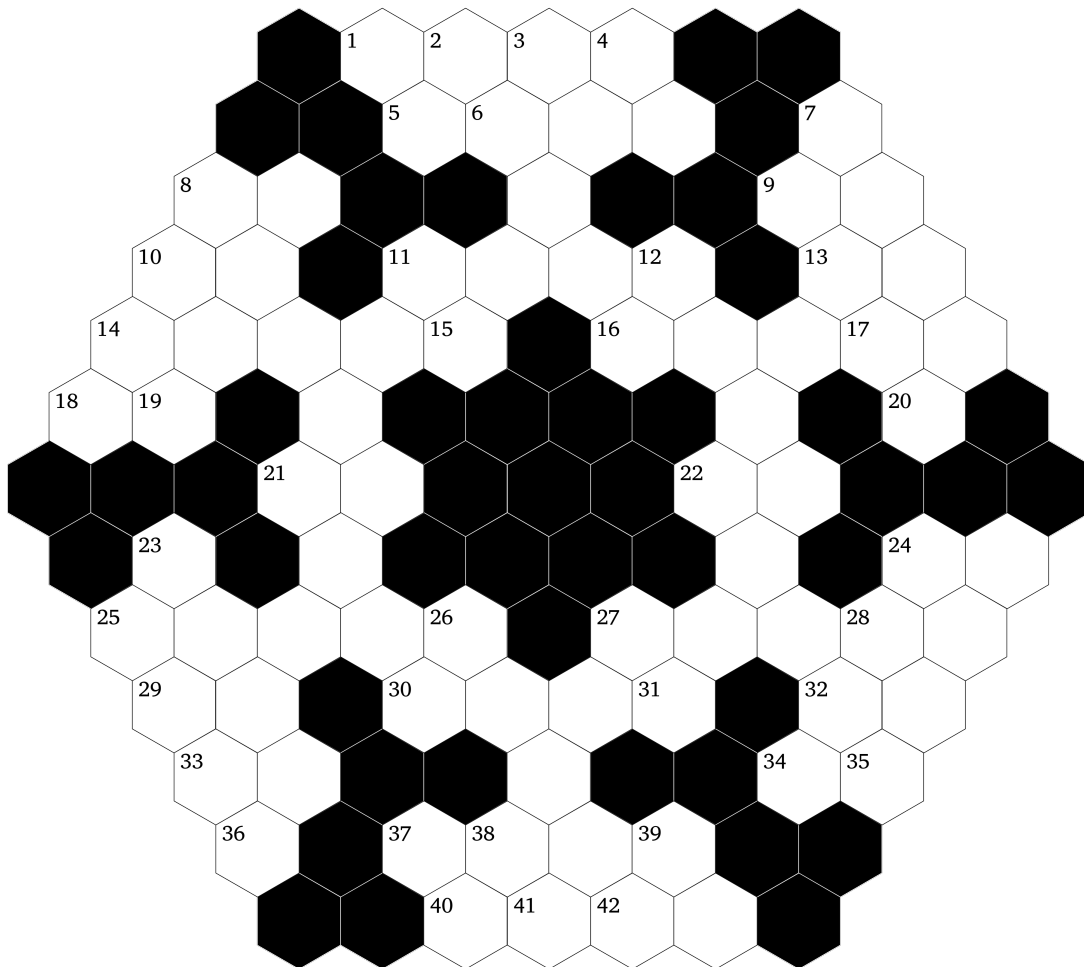
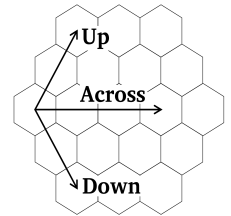
Difficulty: ★★★★★

TripleCross - Hard Puzzle #20

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 22 down divided by 24 across
- 5 9 down plus 12 down
- 8 18 across plus 29 across
- 9 36 up plus half of 39 down
- 10 25 up minus 16 up
- 11 34 up minus 10 across
- 13 33 across minus 21 across
- 14 A prime number
- 16 First two digits are the same as first two digits of 9 down
- 18 Mean of 20 up and 29 across
- 21 Mean of 37 down and 13 across
- 22 29 up plus 10 across
- 24 33 across minus 29 across
- 25 Thirty-seven times a prime number
- 27 First two digits are the same as first two digits of 9 down
- 29 25 up minus 29 up
- 30 A prime number
- 32 Twice the result of 34 up minus 35 up
- 33 36 up plus 29 across
- 34 Mean of 30 up and 14 down
- 37 24 down times 3 down
- 40 Consecutive digits unordered

Up

- 5 18 across plus half of 17 up
- 6 27 down plus 3 down
- 9 Mean of 8 across and 38 down
- 15 Sixty-one times a prime number
- 16 12 down divided by 25 up
- 17 42 up plus 3 down
- 18 A square
- 19 Five times a prime number
- 20 4 down plus 21 across
- 21 Mean of 39 down and 31 up
- 22 Twelve thousand nine hundred ninety-seven less than 14 across
- 25 Mean of 17 up and 28 down
- 29 27 down minus 37 down
- 30 9 down divided by 6 up
- 31 Twenty-three times a square
- 33 15 up minus 31 up
- 34 A prime number
- 35 A prime number
- 36 42 up minus 38 down
- 40 Mean of 25 across and 21 across
- 41 28 down minus 29 up
- 42 25 up minus 21 across

Down

- 1 30 up minus 29 across
- 2 Twenty-one thousand five more than 22 up
- 3 A square
- 4 22 down divided by 1 across
- 7 Eighty-five times 13 across
- 8 2 down plus half of 42 up
- 9 30 across minus 20 up
- 10 29 across minus 1 down
- 11 18 up divided by 34 across
- 12 25 up times 9 up
- 14 Five times 1 down
- 21 Twenty-five times a prime number
- 22 36 up times 1 across
- 23 Three times a prime number
- 24 Mean of 29 up and 10 down
- 25 Six hundred more than 34 up
- 26 Fifteen times a prime number
- 27 28 down minus 10 down
- 28 Mean of 34 across and 33 across
- 37 29 up minus 10 across
- 38 42 up minus 4 down
- 39 5 up minus 11 down

Solution:

