

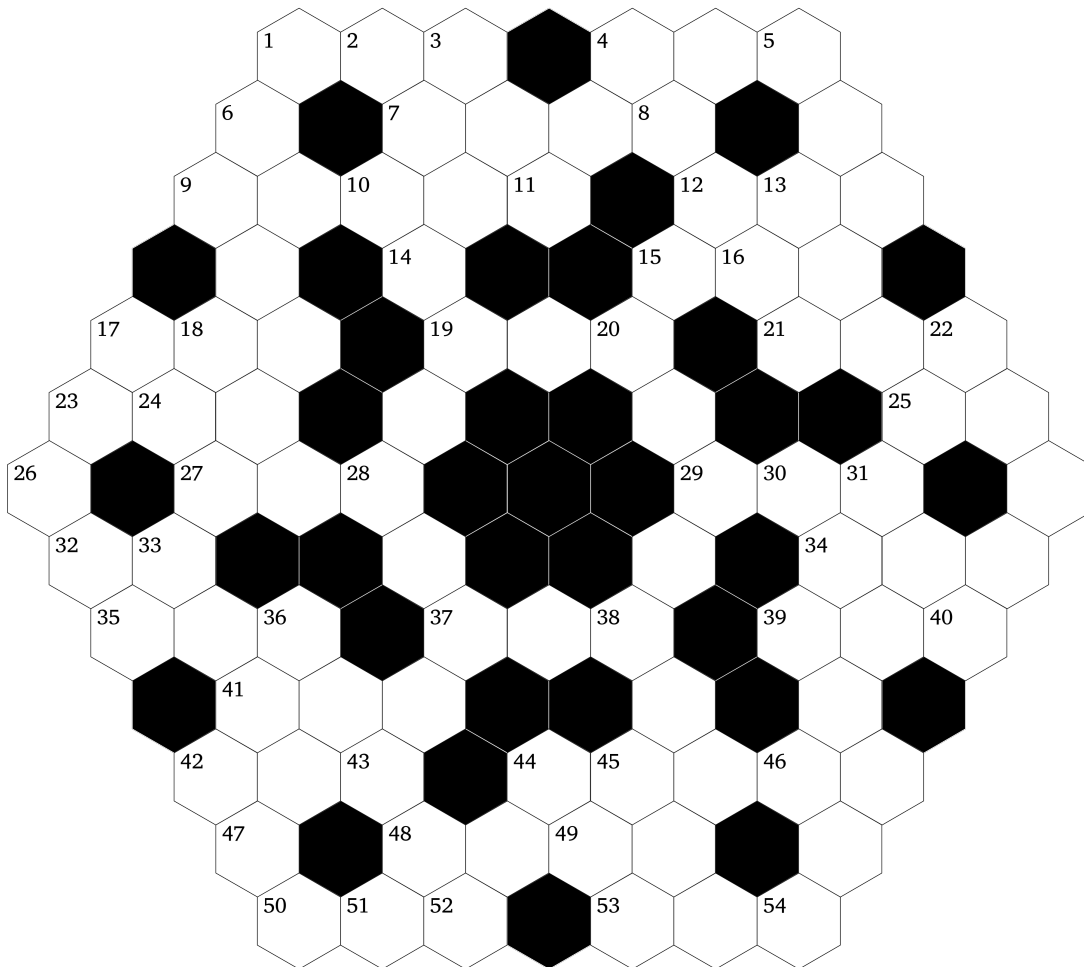
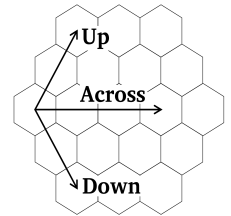
Difficulty: ★★★★★

TripleCross - Hard Puzzle #38

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 53 up plus 17 across
- 4 42 down minus 21 across
- 7 28 down plus 26 down
- 9 First two digits are the same as first two digits of 9 down
- 12 43 up plus half of 15 across
- 15 Mean of 42 across and 25 across
- 17 Mean of 17 down and 53 up
- 19 Mean of 17 down and 26 down
- 21 Rearranged digits of 43 up
- 23 Mean of 39 across and 29 across
- 25 Half of 34 across, then subtract 18 down
- 27 46 up minus 3 down
- 29 22 down minus half of 49 up
- 32 20 down minus 9 down
- 34 Mean of 16 up and 20 down
- 35 3 down minus 46 down
- 37 9 up plus 54 up
- 39 21 across plus 54 up
- 41 Mean of 2 down and 5 down
- 42 Mean of 32 across and 7 across
- 44 Mean of 36 down and 33 down
- 48 Four times a prime number
- 50 Mean of 39 across and 23 across
- 53 16 up minus 9 down

Up

- 8 9 down minus 21 across
- 9 Mean of 16 up and 54 up
- 10 31 down plus 28 down
- 11 46 up minus half of 21 up
- 14 42 across plus 51 up
- 16 31 down plus 44 down
- 20 Mean of 1 across and 39 down
- 21 53 up plus 29 across
- 24 42 across plus 9 down
- 26 9 up plus 15 across
- 28 Mean of 18 down and 2 down
- 35 Twice a prime number
- 38 30 down minus half of 8 up
- 39 Fourteen times a square
- 40 34 across minus 53 up
- 42 32 across plus 34 across
- 43 Mean of 21 across and 44 down
- 46 42 across plus 30 down
- 47 Mean of 42 down and 39 down
- 49 9 down minus 28 down
- 51 9 up minus 2 down
- 52 Mean of 28 up and 45 down
- 53 11 up minus 14 up
- 54 5 down minus 25 across

Down

- 2 Mean of 10 up and 17 down
- 3 8 up plus 35 across
- 4 Five times a prime number
- 5 20 up minus 52 up
- 6 11 up minus 26 down
- 9 52 up plus 35 across
- 10 7 across minus 2 down
- 13 Twenty-seven times a prime number
- 17 31 down minus 49 up
- 18 Mean of 32 across and 38 down
- 20 Mean of 28 up and 39 down
- 22 Mean of 53 across and 38 down
- 26 23 across plus 18 down
- 28 Mean of 5 down and 21 across
- 30 7 across minus 10 up
- 31 Rearranged digits of 29 across
- 33 Six hundred twenty-eight more than 48 across
- 36 First two digits are the same as first two digits of 27 across
- 38 41 across plus 45 down
- 39 49 up plus 42 across
- 42 Mean of 11 up and 21 up
- 44 24 up minus 42 down
- 45 A cube
- 46 21 across minus 9 up

Solution:

