

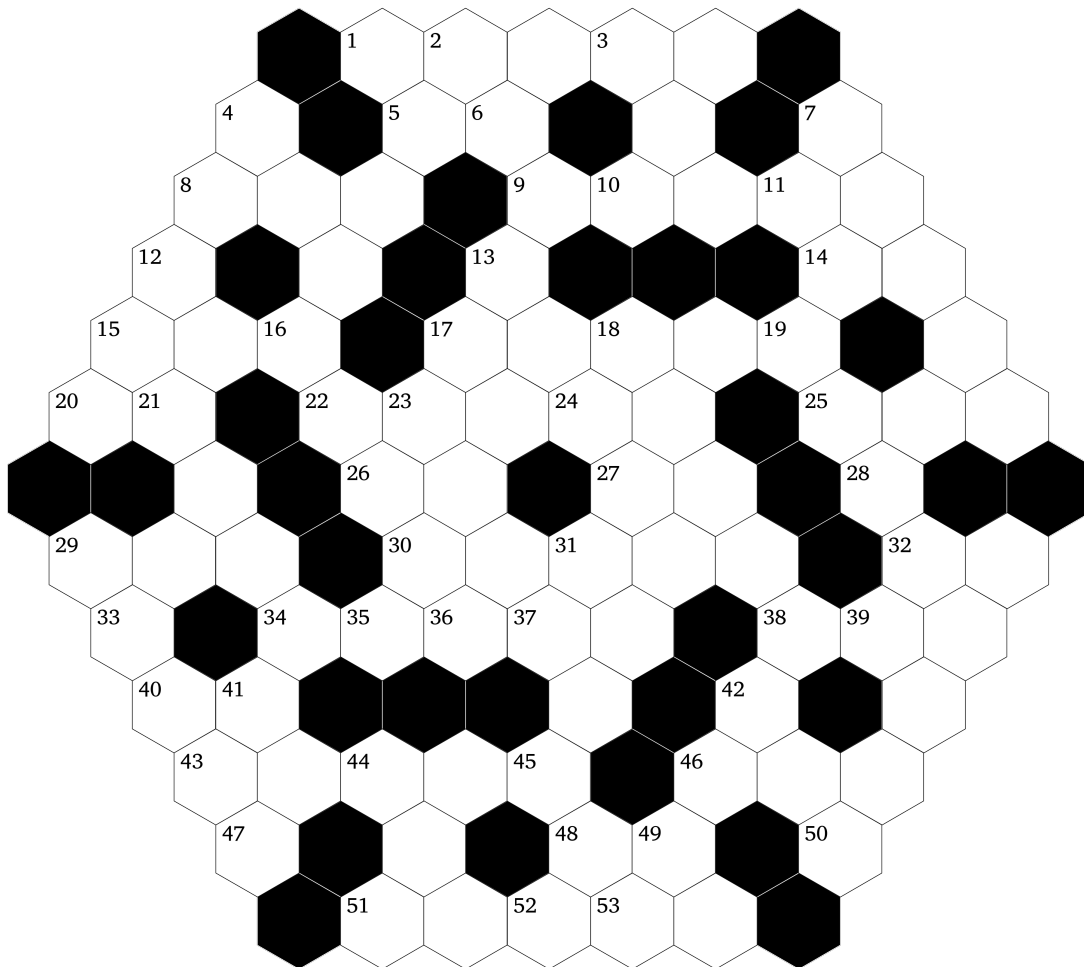
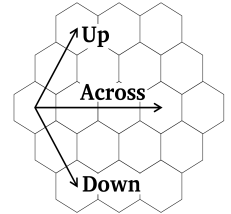
Difficulty: ★★★★★

TripleCross - Hard Puzzle #19

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 Seventeen times a prime number
- 5 28 up minus 17 down
- 8 Its digits total 24 up
- 9 One thousand six hundred thirty-one more than 16 down
- 14 1 down plus 40 across
- 15 Mean of 10 up and 39 up
- 17 Three times a prime number
- 20 11 down plus 12 down
- 22 53 up minus 3 down
- 25 32 across plus 47 up
- 26 Mean of 40 across and 32 across
- 27 42 down divided by 11 up
- 29 29 down divided by 25 across
- 30 Thirty-five times 46 across
- 32 21 up minus 49 down
- 34 Four thousand seven hundred seventy-four more than 37 up
- 38 52 up plus 21 up
- 40 36 up minus 26 across
- 43 Mean of 17 across and 15 down
- 46 43 up minus 32 across
- 48 Same as 5 across
- 51 51 up times 47 up

Up

- 6 Mean of 49 down and 26 across
- 10 A prime number
- 11 24 up plus 6 up
- 16 Fifteen times a prime number
- 19 Twenty-three times a prime number
- 20 16 down minus 17 down
- 21 5 across plus 40 across
- 24 39 down minus 32 across
- 26 Twice the result of 30 across minus 32 across
- 28 1 down plus 31 down
- 33 15 across plus 44 down
- 35 18 down plus 19 up
- 36 A square
- 37 Seventeen thousand three hundred eighty-four more than 51 across
- 39 Mean of 52 up and 11 up
- 43 3 down minus 21 up
- 45 Eleven thousand two hundred four more than 53 up
- 47 Mean of 31 down and 14 across
- 50 Thirty-nine times a prime number
- 51 A prime number
- 52 26 across plus 12 down
- 53 23 down plus half of 4 down

Down

- 1 Mean of 52 up and 27 across
- 2 Four times a prime number
- 3 7 down minus 50 up
- 4 Thirty-two times 12 down
- 7 Sixty-one times a prime number
- 11 1 down plus 24 up
- 12 17 down minus 11 down
- 13 Six times a prime number
- 15 Six thousand eighty-eight more than 22 across
- 16 20 up plus 20 across
- 17 28 up minus 48 across
- 18 Three thousand one hundred eighty less than 53 up
- 19 1 across plus 45 up
- 23 Five thousand eight hundred fourteen less than 15 down
- 29 First two digits are the same as 27 across
- 31 48 across plus 26 across
- 39 40 across plus half of 48 across
- 41 Mean of 20 across and 32 across
- 42 11 up plus 3 down
- 44 14 across plus 29 across
- 45 Mean of 29 across and 51 up
- 49 Mean of 39 up and 27 across

Solution:

