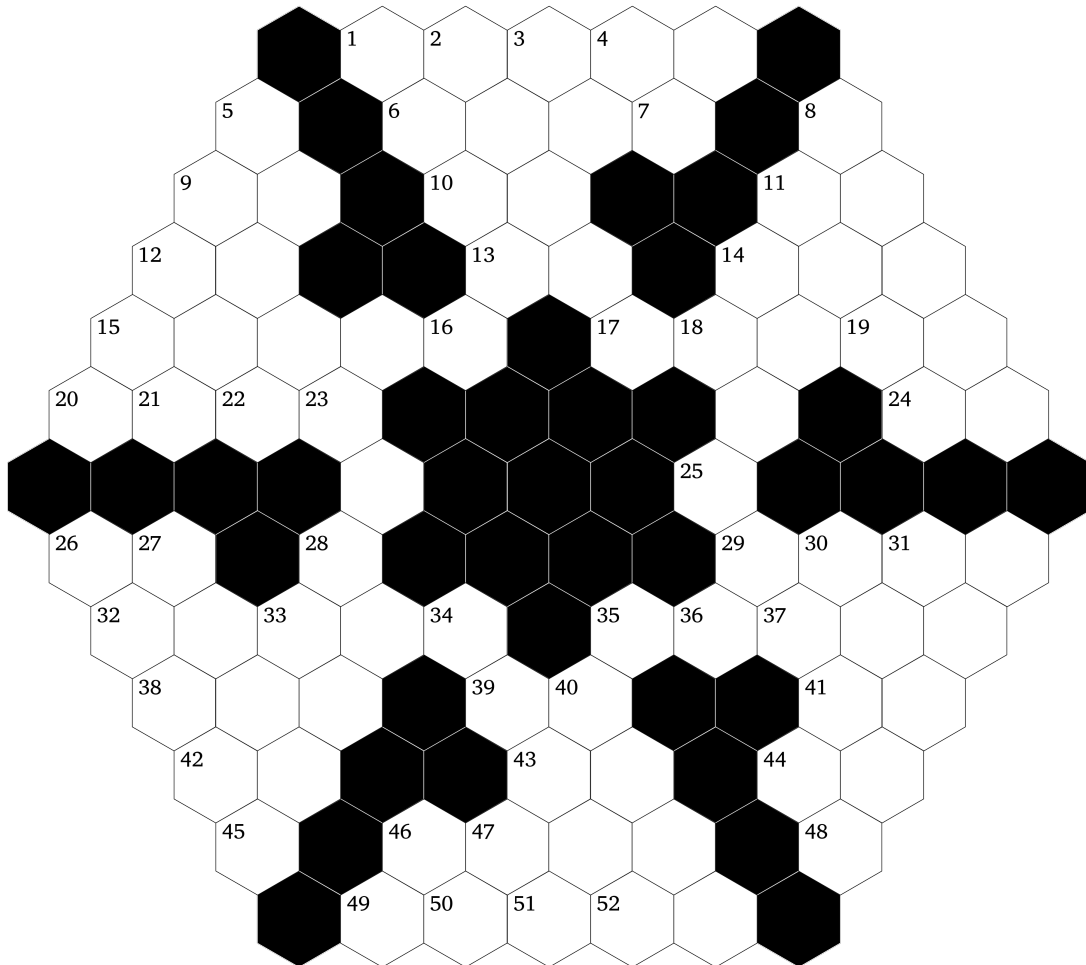
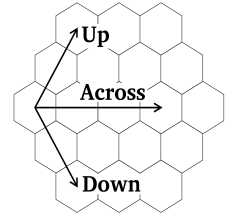


TripleCross - Hard Puzzle #40

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 First two digits are the same as 31 down
 6 Thirty-nine times a prime number
 9 11 across minus 5 down
 10 Mean of 33 down and 6 up
 11 44 down plus 52 up
 12 52 up plus half of 39 across
 13 Four times 15 down
 14 Fourteen times 32 up
 15 4 down plus 20 across
 17 Six times a prime number
 20 42 up minus 25 down
 24 Mean of 41 across and 4 down
 26 Mean of 37 up and 3 down
 29 Twenty times a prime number
 32 Two thousand three hundred thirty-seven more than 17 across
 35 34 down minus half of 16 up
 38 Nine times 6 up
 39 9 across minus 52 up
 41 Mean of 5 down and 22 up
 42 39 across plus 32 up
 43 A square
 44 Mean of 24 up and 22 up
 46 Eight hundred sixty-one less than 45 up
 49 A prime number

Up

- 6 Mean of 49 up and 22 up
 7 19 up plus 52 up
 10 Rearranged digits of 38 across
 16 Eight thousand one hundred forty-four more than 1 across
 18 Mean of 1 down and 18 down
 19 A square
 20 15 down plus 2 down
 21 Last two digits are the same as last two digits of 34 down
 22 Mean of 49 up and 7 up
 23 Seven times 5 down
 24 Mean of 13 across and 52 up
 25 Six times a prime number
 32 Three-fourths of 52 up
 36 5 down plus 33 down
 37 Mean of 41 across and 36 up
 38 11 across minus 18 down
 42 Thirty-seven times a prime number
 44 Two thousand one hundred sixty-two less than 46 across
 45 Fifty-seven times a prime number
 48 Sixteen thousand three hundred sixteen less than 16 up
 49 43 across plus 5 down
 50 Consecutive digits unordered
 51 Twice the result of 6 across minus 40 down
 52 4 down minus 41 across

Down

- 1 44 up plus 44 across
 2 20 up minus 28 down
 3 24 up minus 14 down
 4 Mean of 47 down and 22 up
 5 29 across minus half of 44 up
 8 12 across times 27 down
 9 Seven thousand five hundred eighty-three more than 16 up
 11 15 across minus 9 across
 12 Thirteen times 18 down
 14 Two-fifths of 38 up
 15 10 across minus 43 across
 18 11 across minus 24 across
 25 A prime number
 26 Mean of 9 down and 31 down
 27 8 down divided by 38 up
 28 11 across minus 42 across
 30 Mean of 38 across and 33 down
 31 15 across minus 20 across
 33 Mean of 44 across and 26 across
 34 Ten thousand two hundred sixty-three more than 9 down
 40 Thirty-one times a prime number
 44 Twice the result of 24 across minus 14 down
 46 15 across minus 11 down
 47 1 across minus 25 up

Solution:

