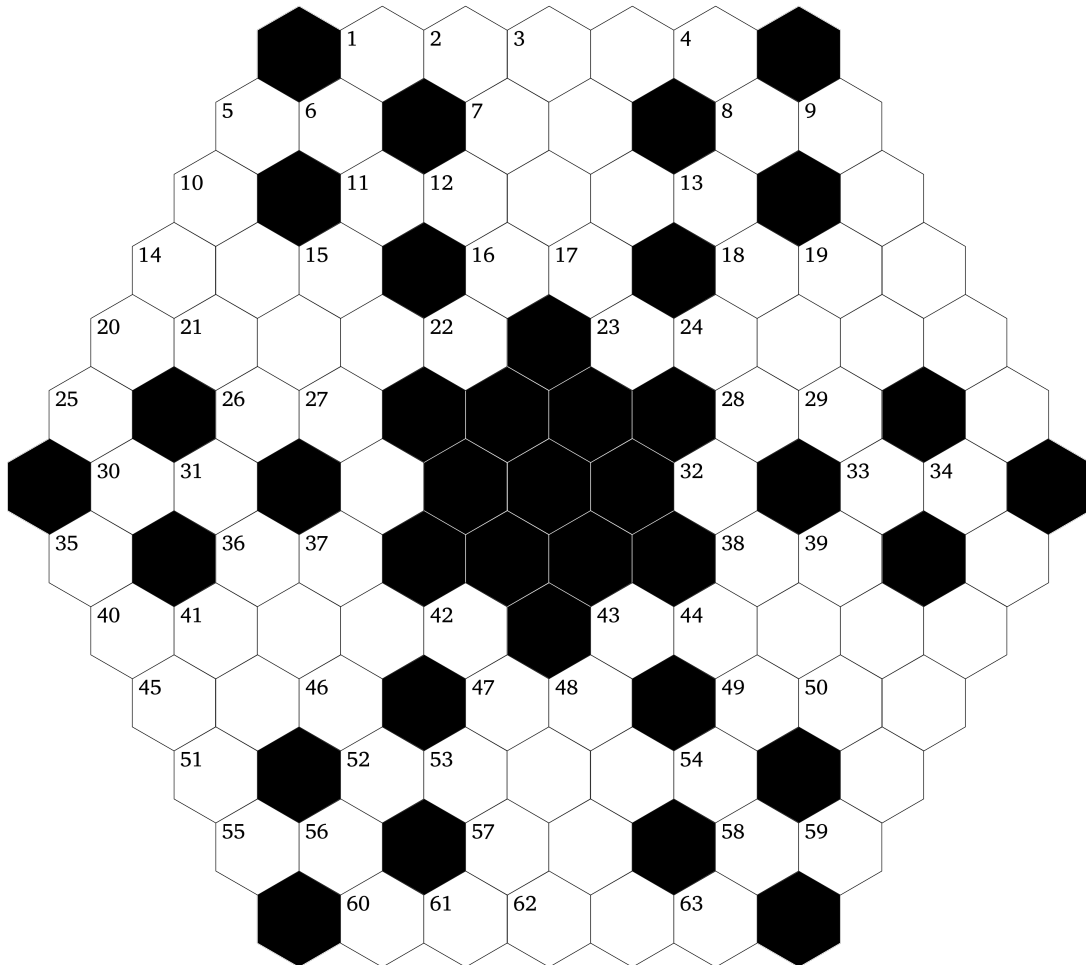
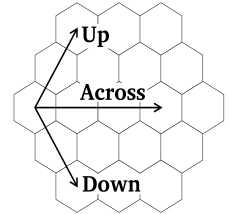


TripleCross - Hard Puzzle #51

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 Twice the result of 40 across minus 42 down
 5 48 down plus 44 down
 7 27 up minus 19 down
 8 Mean of 49 across and 28 across
 11 Two thousand eight hundred twenty-seven less than 35 down
 14 Rearranged digits of 62 up
 16 56 up minus 34 down
 18 35 up times 26 across
 20 Eighteen thousand five hundred seventy-five less than 9 down
 23 Eight thousand two hundred ten less than 2 down
 26 57 across minus 35 up
 28 6 down minus 35 up
 30 8 across minus 56 up
 33 Mean of 26 across and 58 across
 36 58 across minus 34 up
 38 58 across minus 44 down
 40 Fourteen times a prime number
 43 Eight hundred thirty-six more than 61 up
 45 Nine times a prime number
 47 35 up minus 21 up
 49 46 up plus 33 across
 52 Eighty-nine times a prime number
 55 12 up minus 24 up
 57 A square
 58 29 up minus 53 up
 60 Sixty-four times a prime number

Up

- 6 Twice the result of 26 across plus 4 down
 12 19 down plus 6 up
 13 53 up minus 37 down
 17 Same as 47 across
 21 6 down minus 27 up
 22 Eighty-four times a prime number
 24 17 up plus 53 up
 25 23 across minus half of 35 down
 27 Mean of 58 across and 56 up
 29 63 up plus 56 up
 31 Thirteen times a square
 32 Mean of 52 across and 8 across
 34 Twice the result of 33 across minus 13 up
 35 56 up minus 33 across
 44 41 down plus 38 across
 45 14 down plus 36 across
 46 29 up minus 25 down
 50 55 across minus 57 across
 51 Forty-seven times a square
 53 Mean of 48 down and 47 across
 54 Mean of 31 down and 44 down
 56 53 up plus 24 down
 59 Twenty-six times a prime number
 61 A palindrome
 62 Twice the result of 22 up minus 20 across
 63 A cube

Down

- 2 Twenty-one times a prime number
 3 Half of 43 across, then subtract 32 down
 4 Mean of 24 down and 25 down
 6 50 up plus 15 down
 9 Eighteen thousand two hundred seventy-six more than 22 up
 10 Mean of 59 up and 21 up
 12 5 across minus 55 across
 13 Two thousand nine hundred fifty-eight less than 10 down
 14 45 up minus 16 across
 15 Mean of 56 down and 7 across
 19 28 across minus 16 across
 24 Mean of 19 down and 44 up
 25 Mean of 12 down and 37 down
 31 One thousand one hundred forty-four more than 31 up
 32 A prime number
 34 Twice the result of 57 across minus 16 across
 35 24 down plus 40 across
 37 16 across reversed
 39 Mean of 18 across and 41 down
 41 34 up minus 38 across
 42 Seventy-seven times a prime number
 44 8 across minus 48 down
 48 6 down minus 24 up
 53 Mean of 6 up and 62 up
 54 6 up minus 27 up
 56 46 up minus 54 down

Solution:

