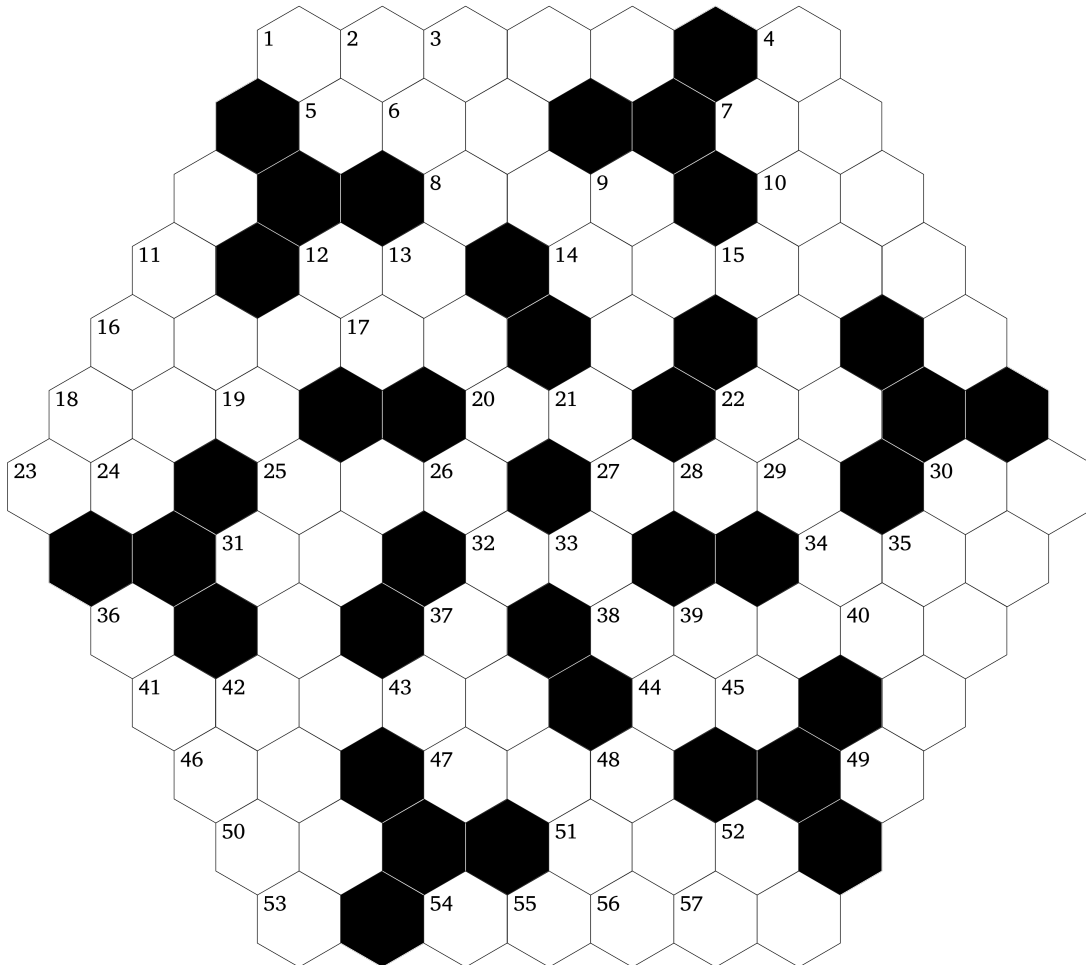
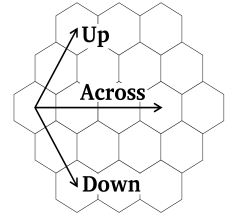


# TripleCross - Hard Puzzle #39

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 A prime number
- 5 Mean of 7 up and 27 across
- 7 Mean of 47 up and 22 across
- 8 43 down plus 51 across
- 10 Same as 30 down
- 12 14 up plus 39 down
- 14 Mean of 54 across and 12 down
- 16 Its digits total 26 up
- 18 Mean of 40 up and 16 down
- 20 Mean of 22 across and 31 up
- 22 18 down plus 33 up
- 23 Mean of 21 down and 22 across
- 25 27 across minus 5 up
- 27 44 across plus 50 up
- 30 5 up plus 23 across
- 31 Mean of 20 across and 56 up
- 32 Half of 24 up, then subtract 8 across
- 34 Five times 21 down
- 38 2 down times 21 up
- 41 Twenty times a prime number
- 44 Mean of 14 up and 31 up
- 46 14 up plus 9 down
- 47 51 across plus 52 down
- 50 10 across minus 47 up
- 51 24 up minus 33 down
- 54 Rearranged digits of 46 up

**Up**

- 5 16 down minus 47 up
- 6 Mean of 35 down and 16 down
- 7 15 up minus 50 up
- 14 57 up minus 9 down
- 15 Mean of 21 up and 7 down
- 17 Three thousand six hundred eight more than 36 down
- 19 45 up minus 18 down
- 21 13 down minus 25 across
- 23 Two thousand four hundred seventy-two less than 16 across
- 24 14 up times 32 across
- 26 Mean of 39 down and 29 up
- 28 Fifty times a prime number
- 29 Sum of digits in 4 down
- 31 Same as 31 across
- 33 50 up minus 8 across
- 40 A prime number
- 43 5 across minus half of 14 up
- 45 Mean of 13 down and 44 across
- 46 28 up minus half of 42 down
- 47 1 across minus 49 up
- 49 Thirty-one times a prime number
- 50 Eleven times 18 down
- 53 Mean of 10 across and 47 up
- 55 Mean of 11 down and 31 down
- 56 25 across minus 47 across
- 57 56 up minus 39 down

**Down**

- 1 7 up plus 21 down
- 2 57 up plus 1 down
- 3 A prime number
- 4 Rearranged digits of 37 down
- 7 15 down plus 20 across
- 9 Mean of 30 across and 52 down
- 11 Four times a prime number
- 12 22 across minus 9 down
- 13 43 up plus 7 down
- 15 40 up minus 56 up
- 16 Mean of 7 up and 33 up
- 18 56 up minus 9 down
- 21 7 up minus 14 up
- 22 Eight thousand nine hundred eighty-eight less than 1 across
- 26 9 down minus 21 down
- 30 Mean of 7 up and 22 across
- 31 47 up plus 13 down
- 33 14 up plus 45 up
- 35 53 up plus 5 up
- 36 A palindrome
- 37 Fourteen times a prime number
- 39 18 down minus 14 up
- 42 Twenty-seven times 47 up
- 43 33 up minus 5 up
- 48 22 across plus 7 down
- 52 53 up minus 12 down

Solution:

