

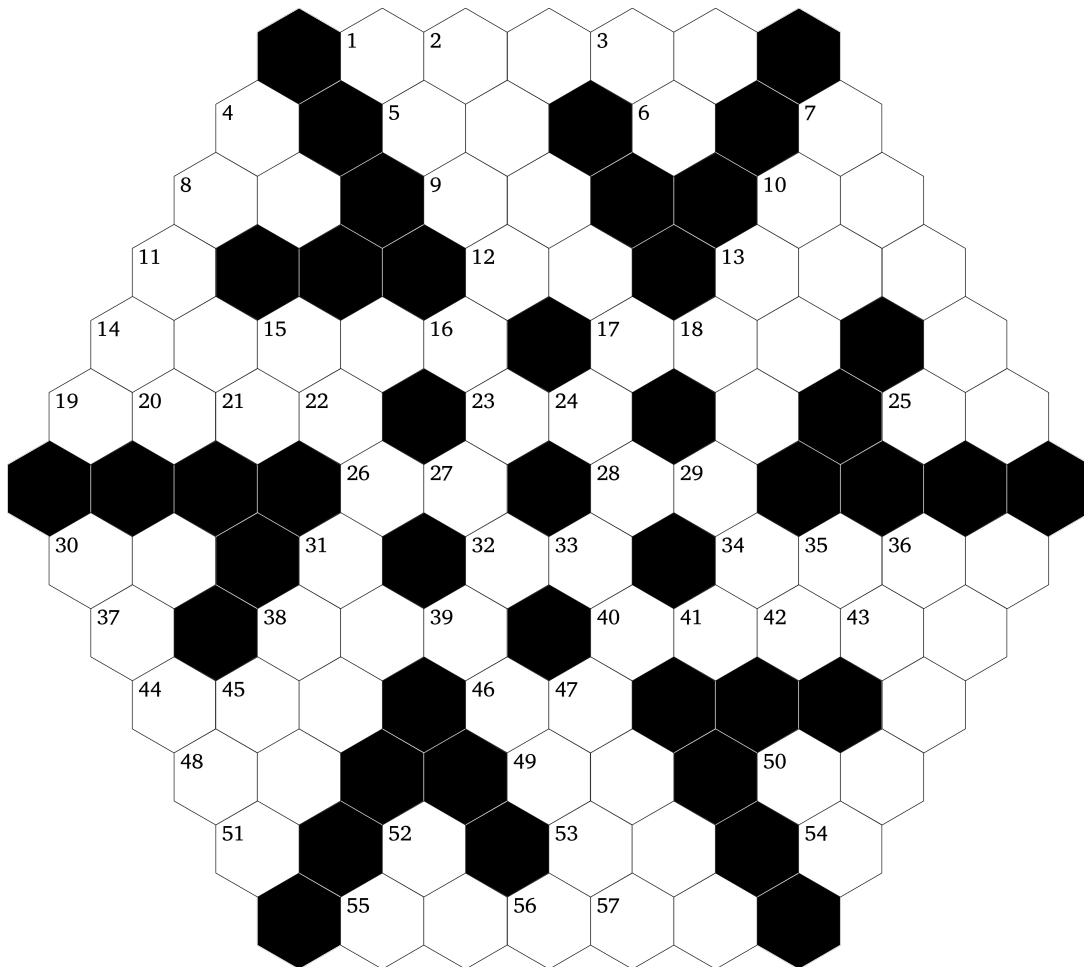
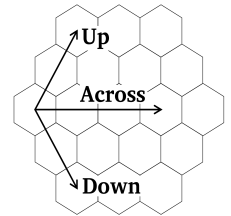
Difficulty: ★★★★★

TripleCross - Hard Puzzle #34

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 first two digits of 1 down
- 5 8 across plus 12 across
- 8 36 down plus 57 up
- 9 41 up minus 22 up
- 10 25 across plus 25 up
- 12 Twice the result of 14 down minus 52 down
- 13 6 up times 25 up
- 14 Twelve times a prime number
- 17 Six times 33 down
- 19 Twice a prime number
- 23 18 down minus 4 down
- 25 Mean of 53 across and 57 up
- 26 20 up minus 16 down
- 28 33 down minus 39 up
- 30 24 down plus 8 across
- 32 Same as 42 up
- 34 Ninety-two times a prime number
- 38 Half of 17 across, then subtract 37 up
- 40 Fifty-nine times a prime number
- 44 42 up plus 32 across
- 46 18 down minus 24 down
- 48 47 down divided by 15 down
- 49 43 up plus 57 up
- 50 A square
- 53 Mean of 57 up and 46 across
- 55 Ten times a prime number

Up

- 5 Mean of 14 down and 32 across
- 6 Mean of 33 up and 49 across
- 9 Seven times 52 down
- 16 Rearranged digits of 9 up
- 18 51 up minus half of 9 up
- 19 Four times a prime number
- 20 5 up minus 43 up
- 21 34 across divided by 33 down
- 22 A square
- 24 14 down minus 48 across
- 25 13 across divided by 23 across
- 27 56 up minus 39 up
- 29 Fifty-seven times a prime number
- 33 10 across plus 14 down
- 37 24 down plus 8 across
- 39 Mean of 8 across and 4 down
- 41 38 across minus 56 up
- 42 44 across minus 30 across
- 43 50 down minus 53 across
- 48 Twice a prime number
- 49 16 up plus 41 up
- 51 Forty times a prime number
- 54 Mean of 29 up and 25 across
- 55 Mean of 20 up and 8 across
- 56 Mean of 44 across and 45 down
- 57 5 up minus 23 across

Down

- 1 A square
- 2 Forty-five times a prime number
- 3 Sum of digits in 19 up
- 4 50 down minus 36 down
- 7 First two digits are the same as 10 across
- 10 25 up plus 25 across
- 11 4 down times 8 across
- 13 34 across divided by 33 down
- 14 18 down minus 4 down
- 15 Eleven times 53 across
- 16 24 up minus 26 across
- 18 55 up plus 50 down
- 24 8 across plus 4 down
- 27 39 up plus 45 down
- 29 Thirty-eight times 16 down
- 30 Nine times a prime number
- 31 22 up plus 10 across
- 33 Mean of 27 down and 27 up
- 35 Three times a prime number
- 36 24 up minus 49 across
- 38 Twice the result of 5 across minus 6 up
- 39 A prime number
- 45 Mean of 33 up and 55 up
- 47 24 up times 55 up
- 50 57 up plus 46 across
- 52 45 down minus 39 up

Solution:

