

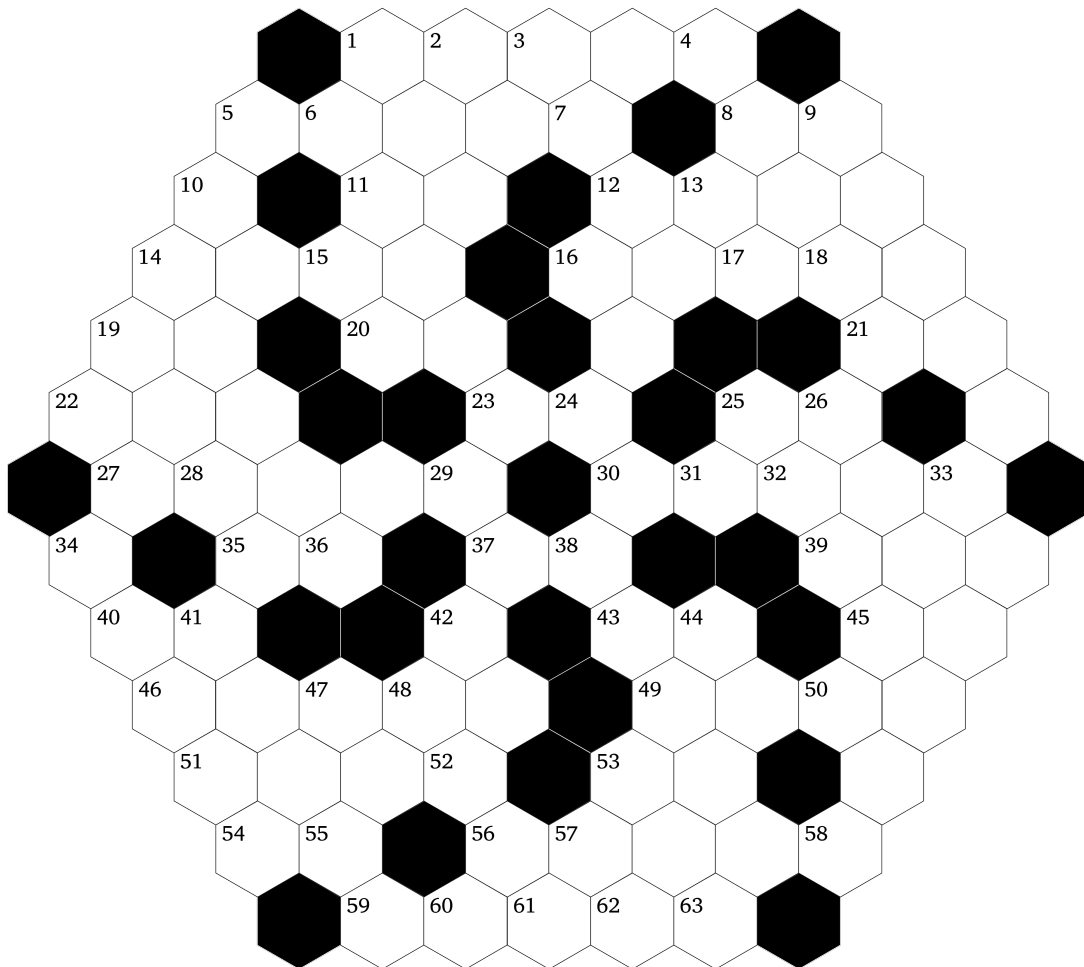
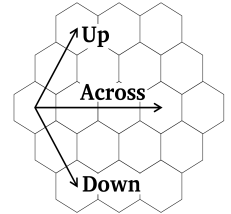
Difficulty: ★★★★★

TripleCross - Hard Puzzle #36

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 Fifty-nine times a prime number
- 5 Eighty-seven times a prime number
- 8 16 up minus 19 across
- 11 24 up minus 34 down
- 12 Three-fourths of 62 up
- 14 Twice a prime number
- 16 Eight hundred eleven more than 20 up
- 19 Mean of 44 down and 13 down
- 20 22 down plus 51 up
- 21 18 up plus 2 down
- 22 Three times a prime number
- 23 29 down minus 57 down
- 25 31 up reversed
- 27 Three thousand sixty-six more than 1 across
- 30 Three times a prime number
- 35 33 down plus 63 up
- 37 20 across minus 33 down
- 39 8 across times 29 down
- 40 11 across plus 57 down
- 43 39 up minus 13 down
- 45 Mean of 29 down and 31 up
- 46 32 up times 50 down
- 49 Twice a prime number
- 51 A prime number
- 53 15 down plus 63 up
- 54 63 up minus 16 up
- 56 A prime number
- 59 Thirty-six times a prime number

Up

- 6 Mean of 29 down and 45 across
- 7 Same as 50 down
- 15 One hundred thirty-four less than 51 across
- 16 54 up minus 28 up
- 17 25 down divided by 36 up
- 18 6 up minus 47 down
- 20 Last two digits are the same as 24 down
- 22 First two digits are the same as first two digits of 51 across
- 24 Four thousand four hundred twenty-three more than 22 up
- 28 A square
- 29 Mean of 40 across and 29 down
- 31 47 down minus 10 down
- 32 Rearranged digits of 46 up
- 34 Mean of 48 down and 20 up
- 36 25 across plus 31 up
- 38 A square
- 39 18 up plus 6 up
- 46 Five times a prime number
- 50 A prime number
- 51 Mean of 60 up and 18 up
- 52 Mean of 2 down and 54 up
- 54 42 down times 10 down
- 55 Forty-seven times a prime number
- 58 A prime number
- 60 16 up minus 19 across
- 61 12 across times 2 down
- 62 61 up divided by thirty-nine
- 63 28 up minus 50 down

Down

- 1 38 up times 19 across
- 2 Mean of 50 down and 52 up
- 3 Seventy less than 32 up
- 4 22 down plus half of 22 up
- 6 Twenty-eight times a prime number
- 9 Forty-seven times a prime number
- 10 6 up minus 13 down
- 13 Mean of 60 up and 21 across
- 14 Mean of 20 up and 22 across
- 15 A square
- 16 Mean of 43 across and 29 up
- 19 48 down plus 20 across
- 22 13 down minus 33 down
- 24 A square
- 25 17 up times 35 across
- 26 25 across plus half of 62 up
- 29 39 across divided by 60 up
- 33 Half of 36 up, then subtract 15 down
- 34 Four thousand ninety-five less than 59 across
- 38 A prime number
- 41 Mean of 38 down and 31 up
- 42 21 across minus 25 across
- 44 13 down minus 11 across
- 47 45 across minus 31 up
- 48 19 down minus 57 down
- 50 53 down divided by 21 across
- 53 7 up times 21 across
- 57 23 across plus 22 down

Solution:

