

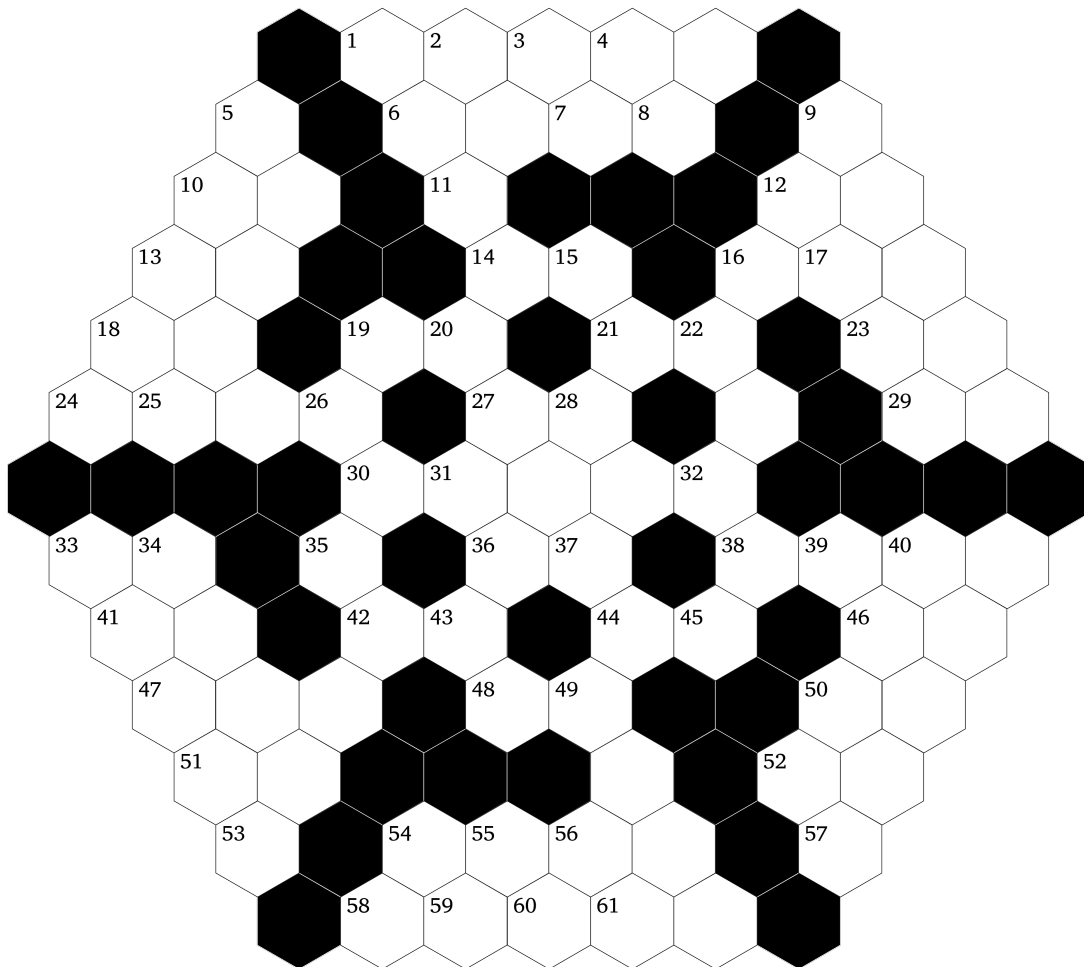
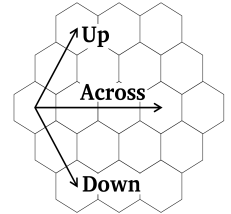
Difficulty: ★★★★★

TripleCross - Hard Puzzle #28

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 Seventy-five times a prime number
6 Half of 25 up, then subtract 10 down
10 2 down plus 12 across
12 Half of 37 up, then subtract 8 up
13 29 across minus 35 down
14 21 across minus 59 up
16 13 across times 35 down
18 13 down minus 5 down
19 52 across minus 50 across
21 35 down minus 50 down
23 35 up plus 56 down
24 21 across times 29 up
27 3 down minus 49 up
29 36 across plus 33 across
30 First two digits are the same as 37 up
33 Mean of 40 down and 54 down
36 29 across minus 20 up
38 6 up times 47 up
41 6 up minus 44 across
42 35 up plus 32 down
44 13 across reversed
46 26 down plus 45 up
47 1 down divided by 45 up
48 2 down minus 12 across
50 A square
51 Mean of 55 down and 6 up
52 A square
54 41 across times 33 across
58 Seven times a prime number

Up

6 Mean of 18 down and 13 across
7 29 up plus 55 down
8 12 across minus 58 up
11 41 up plus 23 up
17 49 up plus 15 down
20 Same as 33 across
22 Four times a prime number
23 11 up minus 4 down
24 Last two digits are the same as 10 across
25 Forty-six times a prime number
26 Mean of 23 up and 26 down
29 6 up plus 36 across
31 34 down divided by 22 down
32 A cube
35 Mean of 15 down and 28 down
37 59 up plus 2 down
41 Same as 32 down
43 Twice a prime number
45 60 up divided by 23 up
47 27 across plus 32 up
49 Mean of 45 up and 18 across
51 27 across plus 54 down
52 Twice a prime number
53 3 down times 29 up
57 Thirty times a prime number
58 1 down divided by 47 across
59 40 down minus 35 down
60 15 down times 44 across
61 46 across minus 6 up

Down

1 49 down minus 51 up
2 43 down minus 49 up
3 6 up plus 14 across
4 Same as 41 up
5 60 up divided by 14 across
9 30 across plus 53 up
10 31 up plus 20 up
12 18 down times 51 across
13 26 down plus 20 up
15 52 across minus 51 across
18 41 across plus 61 up
20 7 up plus 57 up
22 43 down minus 56 down
26 46 across minus 58 up
28 3 down plus 54 down
31 60 up divided by 15 down
32 59 up minus 50 down
33 A prime number
34 41 up times 22 down
35 18 across minus 50 across
39 28 down plus 60 up
40 41 across plus 19 across
43 20 down minus 57 up
49 Its digits total 54 down
50 1 down divided by 47 across
52 Mean of 52 across and 40 down
54 49 up minus 55 down
55 Mean of 31 down and 51 across
56 49 up minus 27 across

Solution:

