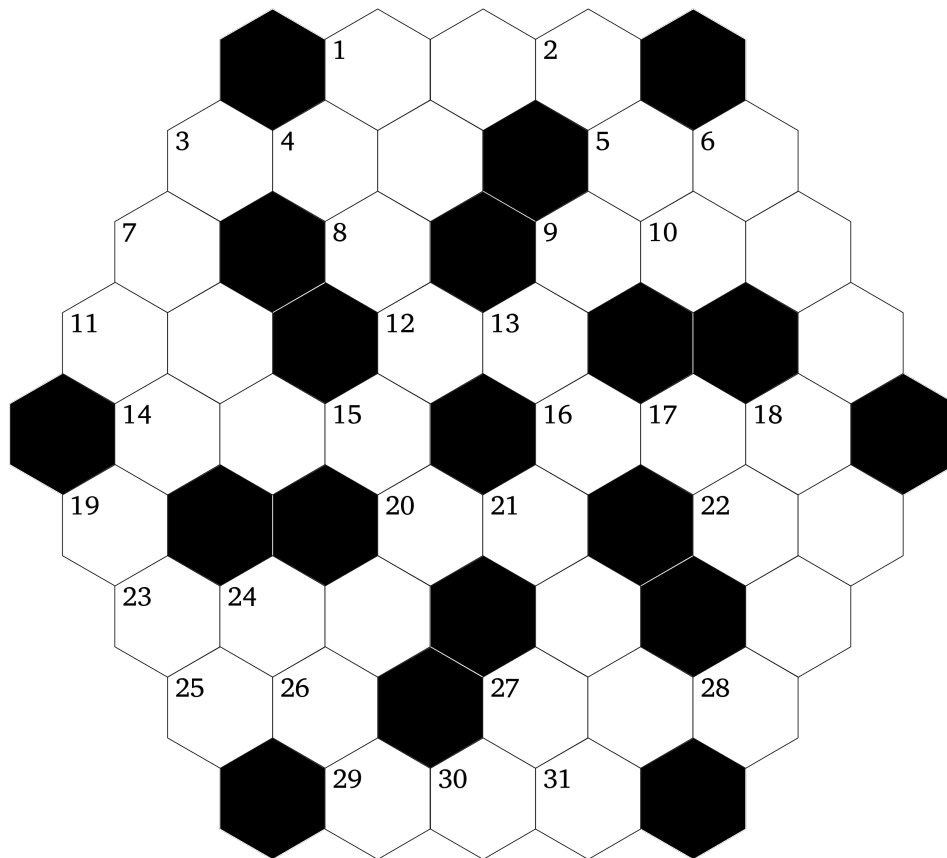
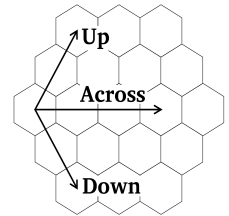


TripleCross - Challenging Puzzle #51

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 19 up minus 31 up
- 3 30 up plus 4 down
- 5 19 down minus 1 across
- 9 1 across plus 5 across
- 11 22 across minus 20 across
- 12 1 down minus 15 up
- 14 26 up minus 31 up
- 16 Eighteen times 18 down
- 20 21 up divided by five
- 22 A square
- 23 Mean of 24 down and 13 up
- 25 20 across reversed
- 27 Twice the result of 22 up plus 15 up
- 29 Twice a prime number

Up

- 4 19 up minus 8 up
- 8 11 up plus 23 across
- 10 11 up minus 13 up
- 11 23 across minus 11 across
- 13 29 across minus 17 down
- 15 Mean of 20 across and 18 down
- 19 9 across minus 18 down
- 21 4 up plus 22 across
- 22 Mean of 7 down and 3 across
- 25 Mean of 14 across and 27 down
- 26 Mean of 11 up and 13 down
- 28 Mean of 21 down and 18 down
- 30 Mean of 29 across and 10 up
- 31 11 down plus 10 up

Down

- 1 Mean of 10 up and 25 up
- 2 14 across plus 25 across
- 4 22 across plus 24 down
- 6 Forty-seven times 20 across
- 7 A square
- 11 Mean of 15 up and 10 up
- 13 A square
- 15 Half of 12 across
- 17 23 across minus 7 down
- 18 5 across minus 31 up
- 19 18 down plus 19 up
- 21 A prime number
- 24 Mean of 9 across and 25 across
- 27 13 up minus 2 down

Solution:

