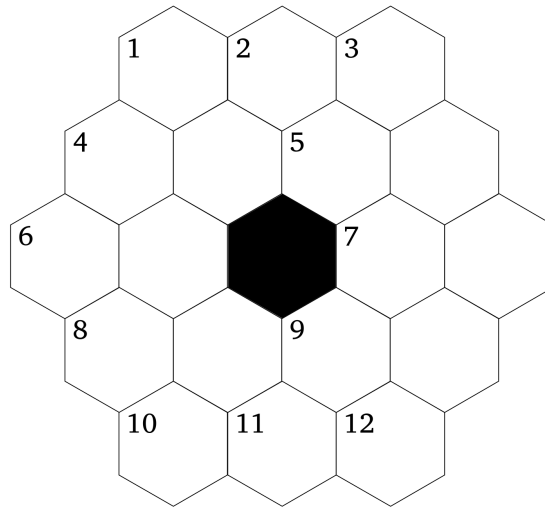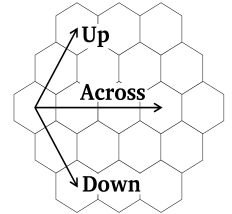# TripleCross - Intermediate Puzzle #16

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
4 Mean of 2 down and 1 down
6 Six times a square
7 Twice a prime number
8 3 down plus 1 across
10 Fifteen times a prime number

Up

5 A square
6 10 across minus 6 across
8 Seven times a prime number
10 6 up divided by eleven
11 Seven times a prime number
12 A cube

Down

1 10 across divided by fifteen
2 A prime number
3 Thirty-two times a prime number
4 Five times a prime number
6 Four times a prime number
9 Three times a square

Solution: