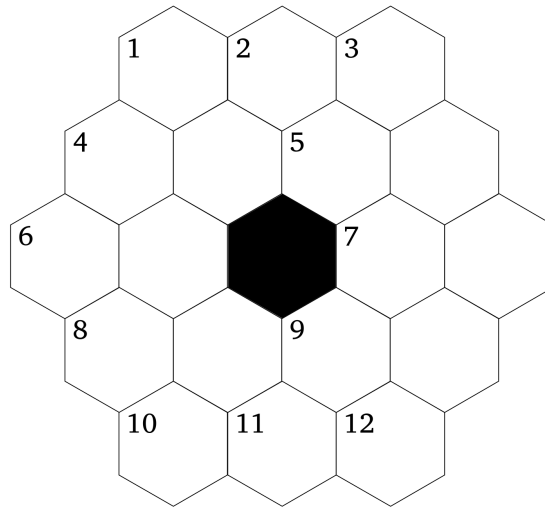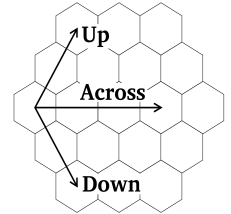Difficulty: ★☆☆☆☆

# TripleCross - Intermediate Puzzle #50

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** Four times a prime number
**4** Twice a prime number
**6** All digits are the same
**7** Half of 9 down
**8** Mean of 4 down and 6 up
**10** Four times a prime number

**Up**

**5** All digits are the same
**6** A prime number
**8** A prime number
**10** A prime number
**11** One thousand three hundred sixty more than 4 across
**12** Half of 6 down, then subtract 5 up

**Down**

**1** 8 across divided by eighty-nine
**2** Nine times a prime number
**3** 6 up minus 6 across
**4** Twenty-five times a prime number
**6** Four times a prime number
**9** Half of 11 up, then subtract 8 up

**Solution:**

```
        3   1   6
      4   1   6   6
    7   7   ■   2   6
      2   7   5   9
        4   5   2
```

**Intermediate-50**