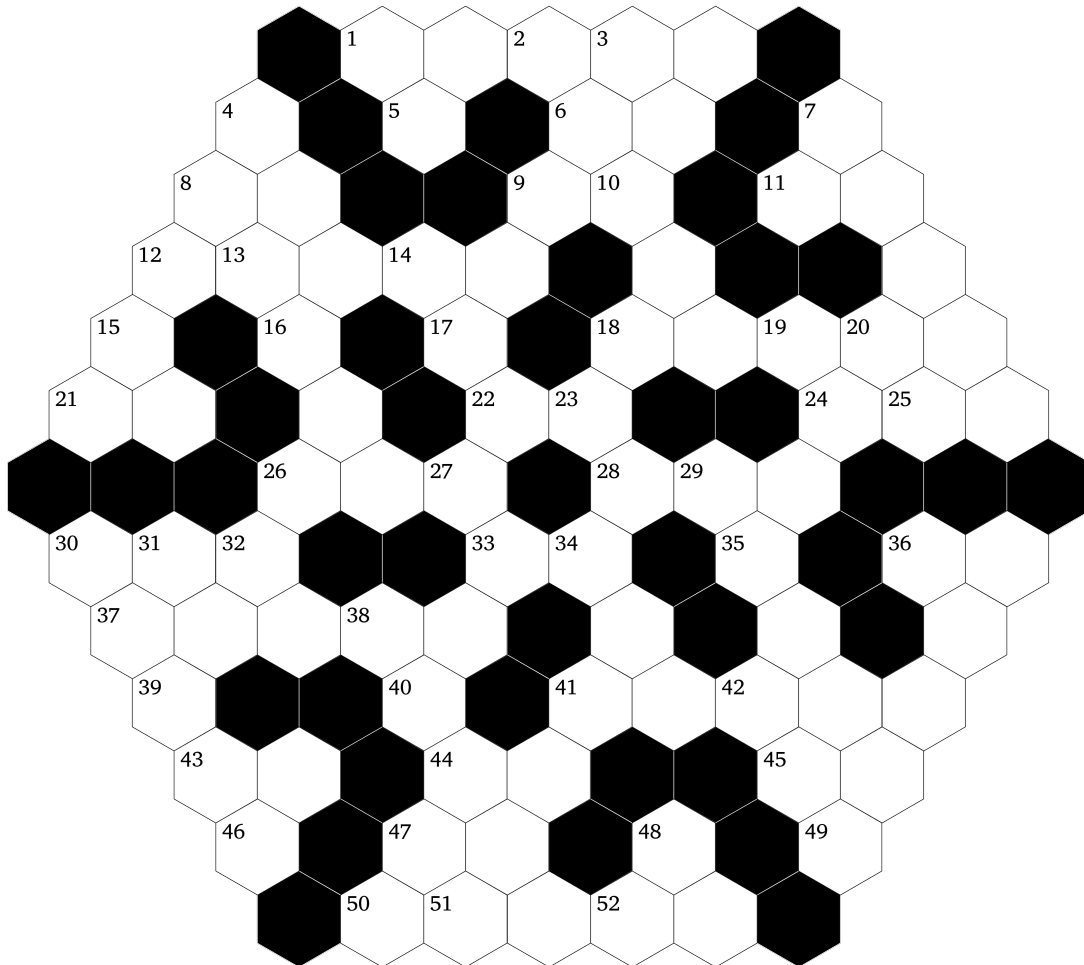
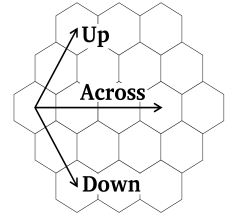


# TripleCross - Hard Puzzle #52

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  
**6** 42 down minus 32 down  
**8** 23 down minus 36 down  
**9** Twice the result of 38 down minus 12 across  
**11** 43 across minus 6 across  
**12** A prime number  
**18** Twice the result of 8 down plus 45 up  
**21** 43 across minus 1 down  
**22** 16 up plus 8 across  
**24** Five times 34 up  
**26** 50 up minus 42 up  
**28** 14 down plus 20 down  
**30** Half of 34 down, then subtract 21 across  
**33** 9 across minus 27 up  
**36** 47 across plus 13 up  
**37** Seven thousand four hundred ten less than 12 across  
**41** Five times a prime number  
**43** 9 across plus 19 down  
**44** 16 up minus 27 up  
**45** Mean of 8 across and 25 up  
**47** Mean of 25 up and 3 down  
**50** First two digits are the same as 23 down

**Up**

- 5** Twice the result of 1 down minus 47 across  
**10** Its digits total 42 up  
**11** 23 down minus 44 across  
**13** Mean of 42 up and 1 down  
**16** 21 across plus 44 across  
**17** Fifteen thousand two hundred forty less than 37 across  
**21** Fifty-seven times a prime number  
**23** Twice the result of 40 up plus 33 across  
**25** 1 down minus 45 up  
**27** 47 across minus 42 up  
**34** 47 across plus 6 across  
**35** Thirteen times a prime number  
**37** Mean of 1 down and 11 across  
**39** Mean of 35 up and 51 up  
**40** Five times a prime number  
**42** 25 up minus 47 across  
**45** Mean of 47 across and 47 down  
**46** 11 across plus 3 down  
**49** 23 down times 4 down  
**50** 28 across minus 21 across  
**51** A prime number  
**52** 48 down reversed

**Down**

- 1** 45 across plus 25 up  
**2** Thirteen thousand five hundred forty-two less than 37 across  
**3** 43 across minus 1 down  
**4** 49 up divided by 32 down  
**7** Mean of 50 across and 13 up  
**8** 51 up minus 37 across  
**14** Twenty-two times 47 down  
**15** 43 across minus half of 6 across  
**19** 7 down minus half of 50 across  
**20** 33 across plus 6 across  
**23** Same as 32 down  
**27** 37 up minus 11 up  
**29** Last two digits are the same as last two digits of 41 across  
**30** A prime number  
**31** Twice the result of 42 down minus 22 across  
**32** 36 down plus 8 across  
**34** Twice a prime number  
**36** Mean of 23 down and 52 up  
**38** 23 up times 1 down  
**42** 16 up plus 9 across  
**47** 36 across minus 6 across  
**48** 3 down plus 33 across

Solution:

