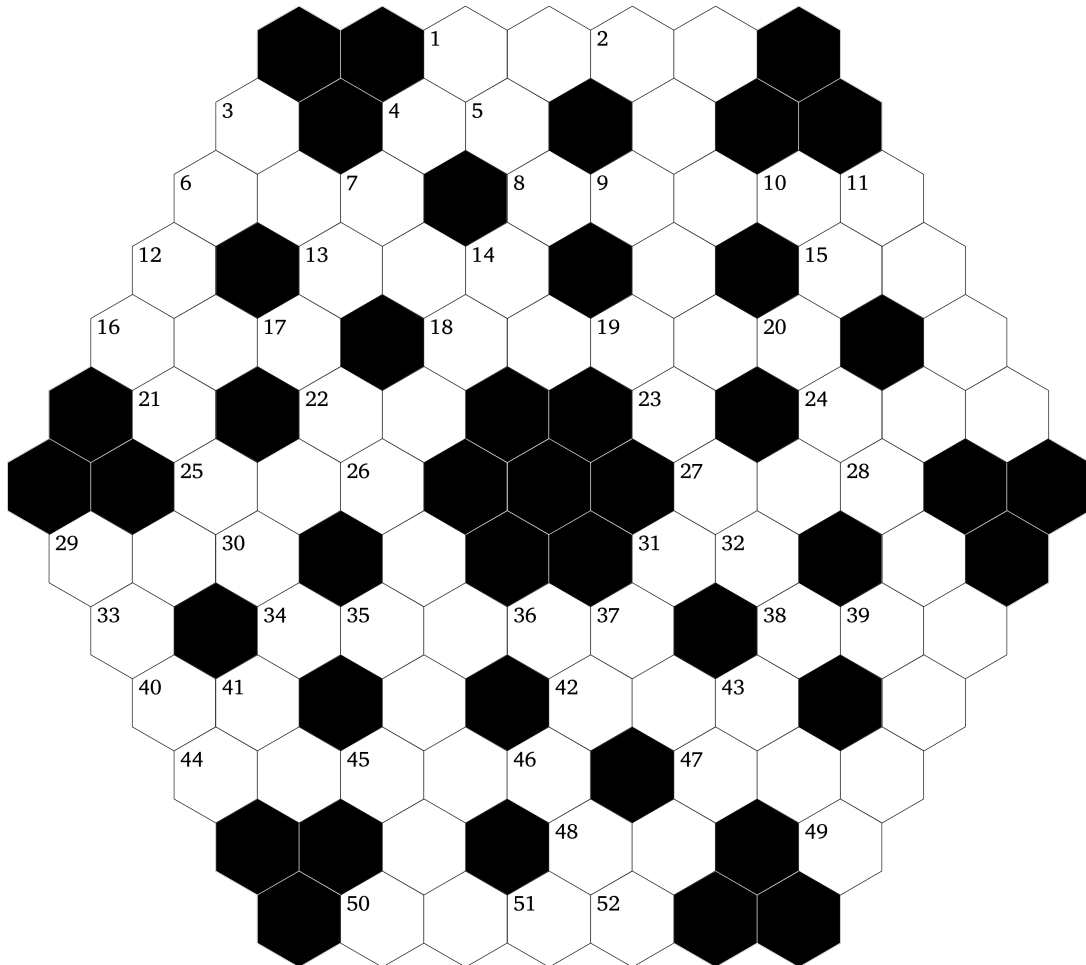
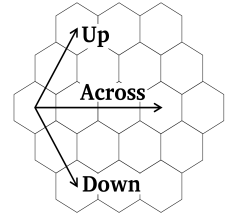


# TripleCross - Hard Puzzle #37

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** Rearranged digits of 49 up  
**4** 20 up divided by fifteen  
**6** 16 across plus 51 up  
**8** Two thousand seven hundred one more than 19 down  
**13** 36 down plus 30 up  
**15** 48 across minus 14 down  
**16** 44 up minus 50 up  
**18** Seventeen thousand five hundred three less than 20 down  
**22** 25 across minus 45 down  
**24** Mean of 50 up and 39 down  
**25** 45 down plus 39 down  
**27** Half of 47 across, then subtract 4 across  
**29** Mean of 28 up and 9 down  
**31** Twice the result of 9 up minus 7 down  
**34** Three thousand five hundred fifty-one more than 8 across  
**38** 47 across plus 24 across  
**40** Half of 44 across, then subtract 8 across  
**42** 2 down minus 27 across  
**44** Eleven thousand four hundred seventy-one less than 17 down  
**47** Fifteen times 31 across  
**48** 31 across plus 15 across  
**50** 6 across plus 16 across

**Up**

- 5** 38 across minus half of 43 down  
**9** 2 down minus 39 down  
**16** 29 down minus 35 up  
**17** 34 across plus half of 20 down  
**19** Mean of 1 down and 29 across  
**20** 28 up minus 41 down  
**21** Sum of digits in 19 down  
**23** 38 across divided by 10 down  
**26** Twelve times a prime number  
**28** Four times a prime number  
**30** 2 down minus half of 19 up  
**32** 37 down minus 46 down  
**33** 32 up plus 41 down  
**35** Half of 25 across, then subtract 42 across  
**39** 50 up minus 35 up  
**44** 19 up reversed  
**45** 44 up minus 40 across  
**46** Six thousand one hundred three less than 26 up  
**49** 40 across times 24 across  
**50** 36 down plus 35 up  
**51** 3 down minus 16 across  
**52** Three thousand two hundred twenty-seven less than 46 up

**Down**

- 1** Mean of 4 across and 7 down  
**2** Mean of 31 across and 28 up  
**3** Seven times 22 across  
**7** 32 up minus 51 up  
**9** Thirteen times 14 down  
**10** 21 up reversed  
**11** Six times a prime number  
**12** Twice the result of 33 up minus 32 up  
**14** Mean of 12 down and 21 up  
**16** Last two digits are the same as 31 across  
**17** A prime number  
**19** Six thousand two hundred fifty-two less than 34 across  
**20** Seven thousand two hundred ninety-one less than 17 down  
**29** Eight hundred sixteen more than 11 down  
**35** 7 down plus 19 up  
**36** Same as 39 up  
**37** 29 across plus 40 across  
**39** 6 across divided by seven  
**41** 40 across minus 21 up  
**43** Rearranged digits of 16 across  
**45** 35 down minus half of 51 up  
**46** Twice a square

Solution:

