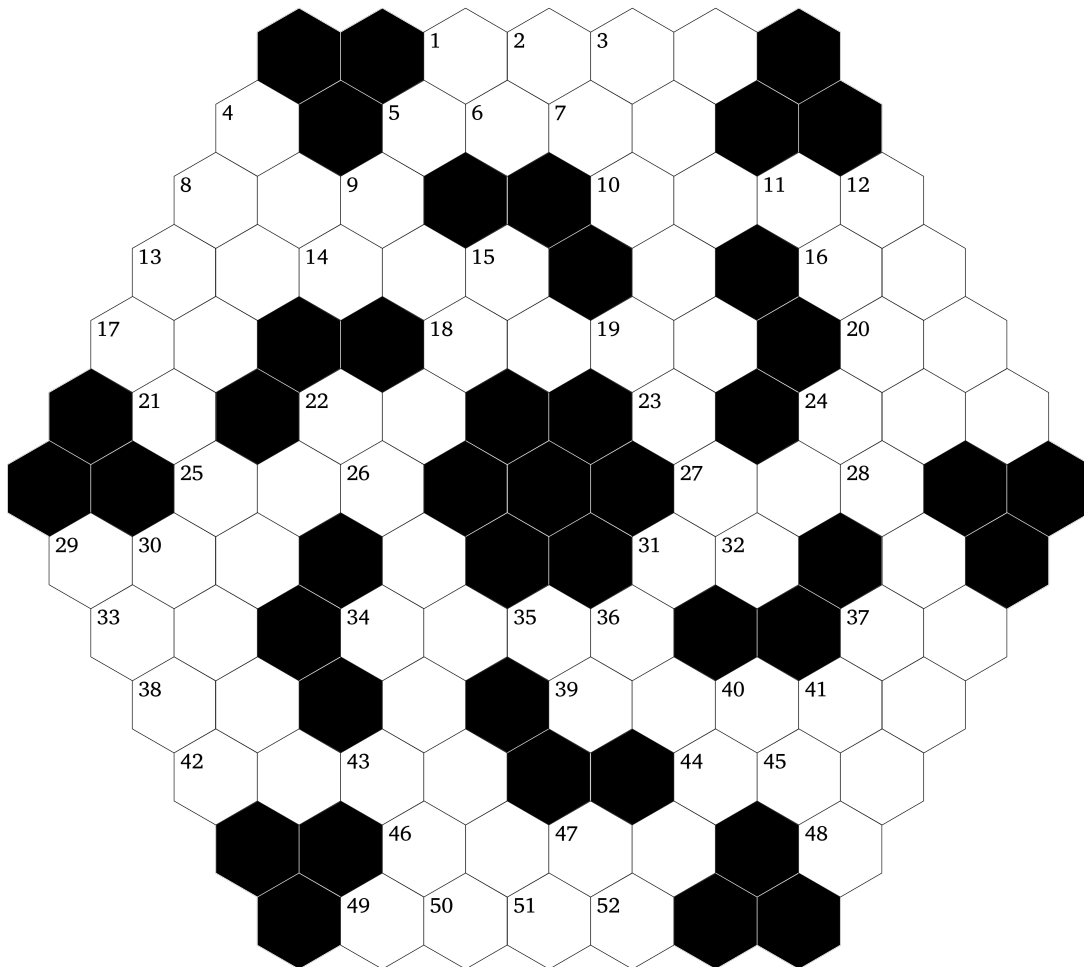
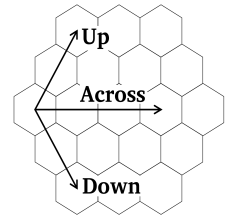


# TripleCross - Challenging Puzzle #3

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:

- "Words" may not start with a zero.
- "Words" in the 'across' direction read from left to right.
- "Words" in the 'up' direction read along the upward diagonal to the right.
- "Words" in the 'down' direction read along the downward diagonal to the right.
- There is one unique solution which satisfies all the clues given below.
- Some "words" may not have clues. They will be determined by the "words" which intersect them.



**Across**

- 1** Twenty-eight times a prime number  
**5** A palindrome  
**8** 24 across minus 44 across  
**10** Mean of 45 up and 27 across  
**13** Eighteen times a prime number  
**16** Same as 16 up  
**17** 43 up minus 13 down  
**18** Sixty-eight times a prime number  
**20** 43 up minus 35 down  
**22** 38 across minus 34 up  
**24** Eleven times a prime number  
**25** 49 up plus half of 23 up  
**27** Seven times 20 across  
**29** 19 up plus 17 across  
**31** 34 up plus 41 down  
**33** 38 across minus 34 up  
**34** 29 down minus 6 up  
**37** 43 up minus 35 down  
**38** A square  
**39** Last two digits are the same as 41 down  
**42** 18 across plus half of 14 up  
**44** 4 down plus half of 6 up  
**46** 11 down minus 50 up  
**49** A prime number

**Up**

- 6** 41 down minus 7 up  
**7** 41 down minus 51 up  
**10** Its digits total 7 up  
**14** Six times a prime number  
**16** Mean of 35 down and 23 up  
**17** Twice the result of 19 down plus 34 across  
**19** Mean of 43 down and 47 down  
**21** Nine hundred eighty-eight less than 46 across  
**23** A square  
**26** Four times a prime number  
**28** Nineteen times 42 up  
**32** Thirty-three times a prime number  
**33** 4 down minus 38 across  
**34** 36 down minus 33 up  
**38** Six times a prime number  
**39** Five hundred thirty-three more than 49 across  
**42** Mean of 22 across and 13 down  
**43** 37 down plus 35 down  
**45** Eight times a prime number  
**48** Twice the result of 29 down minus 9 down  
**49** A prime number  
**50** 20 across minus 47 down  
**51** 41 down minus 6 up  
**52** A prime number

**Down**

- 1** 31 across minus 16 up  
**2** First two digits are the same as 6 up  
**3** Twice the result of 26 up minus 24 across  
**4** 22 across plus 36 down  
**8** 6 up plus 17 across  
**9** A cube  
**11** Mean of 21 up and 39 up  
**12** 34 down minus half of 46 across  
**13** 11 down minus 46 across  
**15** Mean of 41 down and 42 up  
**17** One thousand forty-eight more than 52 up  
**19** 26 up plus 15 down  
**22** Mean of 30 down and 29 across  
**24** One thousand six hundred eight more than 39 up  
**29** 7 up plus 34 across  
**30** Twenty-three times a prime number  
**34** One thousand four hundred forty-eight more than 24 down  
**35** Mean of 33 across and 34 up  
**36** 4 down minus 33 across  
**37** 13 down plus 47 down  
**40** 8 across minus 44 across  
**41** 33 across plus 47 down  
**43** Mean of 50 up and 4 down  
**47** 37 across minus 13 down

Solution:

