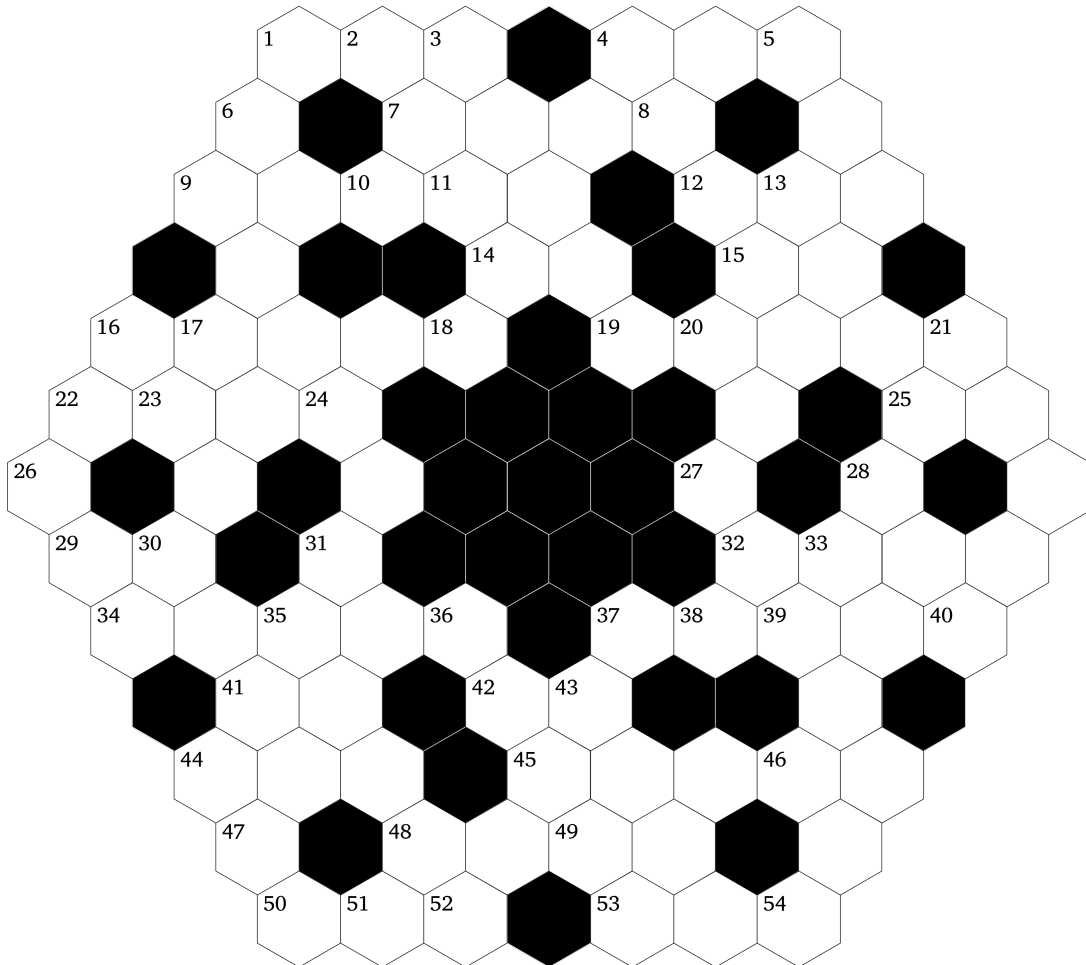
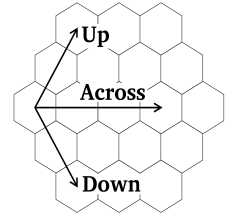


# TripleCross - Hard Puzzle #14

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** 9 up plus half of 28 down  
**4** Mean of 12 across and 15 across  
**7** 2 down plus 10 up  
**9** Thirty-six times a prime number  
**12** Mean of 9 up and 42 across  
**14** 46 down minus 49 up  
**15** Mean of 11 up and 4 across  
**16** Ten thousand nine hundred eighty-three more than 27 up  
**19** Five thousand four hundred sixty more than 37 across  
**22** Sixty-two times 31 down  
**25** 31 down minus 42 across  
**29** 34 across minus 35 down  
**32** Twice a prime number  
**34** A prime number  
**37** Eight thousand five hundred seventeen more than 9 down  
**41** A square  
**42** 24 up minus half of 6 down  
**44** 1 across plus 51 up  
**45** First two digits are the same as 49 up  
**48** Ninety-eight times 8 up  
**50** Half of 16 down, then subtract 53 up  
**53** Mean of 44 down and 14 across

**Up**

- 8** 46 down minus half of 51 up  
**9** Five times 46 down  
**10** Mean of 25 across and 53 across  
**11** 33 down minus 25 across  
**18** Mean of 3 down and 9 down  
**20** Twice a prime number  
**23** Last two digits are the same as last two digits of 30 down  
**24** Mean of 20 down and 6 down  
**26** Mean of 44 across and 1 across  
**27** Twice a prime number  
**34** Half of 19 across, then subtract 48 across  
**38** Mean of 4 across and 42 across  
**39** Twenty-two thousand eighty-one less than 16 across  
**40** A prime number  
**44** A prime number  
**46** Nine hundred fifty-six more than 23 up  
**47** Sixty-six times a prime number  
**49** 13 down minus 30 down  
**51** 14 across plus 11 up  
**52** 25 across plus half of 27 up  
**53** Mean of 46 down and 1 across  
**54** 29 across plus 46 down

**Down**

- 2** 9 across divided by thirty-six  
**3** Forty-five times a prime number  
**4** Seventy-four times a prime number  
**5** 27 down divided by 17 down  
**6** 40 up minus 21 down  
**9** Two thousand nine hundred forty-seven less than 52 up  
**13** 41 across plus 30 down  
**16** 53 across plus 44 across  
**17** Mean of 49 up and 28 down  
**20** 10 up minus 4 across  
**21** 44 across minus 28 down  
**26** Six times a prime number  
**27** Seven thousand six hundred sixteen more than 39 up  
**28** First two digits are the same as 41 across  
**30** Ten times a square  
**31** 26 up minus 40 up  
**33** 54 up minus 38 up  
**35** Two thousand nine hundred forty-two more than 34 up  
**36** Thirty-seven times a prime number  
**43** Thirteen times a prime number  
**44** Eleven times a prime number  
**46** 42 across plus 20 down

Solution:

