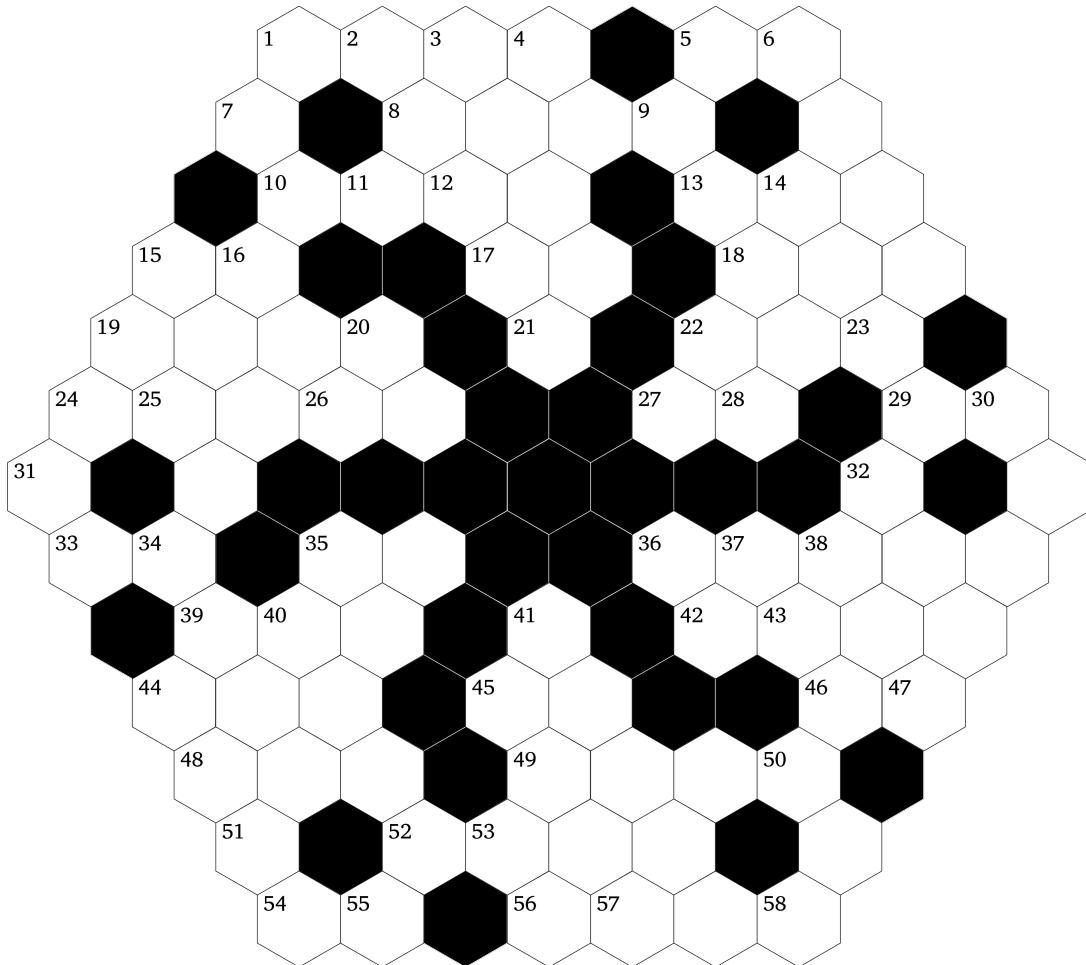
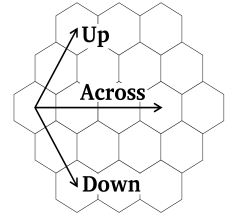


# TripleCross - Hard Puzzle #21

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** 2 down divided by 45 up  
**5** 9 up minus 4 down  
**8** Mean of 33 across and 42 across  
**10** Sixty-five times 54 across  
**13** 45 across times 30 down  
**15** 13 across minus 48 across  
**17** Twice the result of 39 across minus 16 down  
**18** 38 down plus half of 37 down  
**19** A prime number  
**22** 17 up plus 22 down  
**24** Fourteen times a prime number  
**27** 47 up divided by 50 down  
**29** A prime number  
**33** Mean of 45 across and 4 down  
**35** 37 down minus 22 down  
**36** Last two digits are the same as last two digits of 14 down  
**39** Thirteen times a prime number  
**42** 54 across times 55 up  
**44** Nine times 7 up  
**45** 13 across minus 48 across  
**46** 47 up divided by 50 down  
**48** A square  
**49** Mean of 37 down and 9 down  
**52** Twice the result of 31 up plus 17 up  
**54** 38 down minus 55 up  
**56** Seven times a prime number

**Up**

- 7** 27 across minus 7 down  
**9** 1 across divided by 33 across  
**11** 39 across minus 45 up  
**12** 15 down reversed  
**17** 1 across minus 39 across  
**21** 7 up plus 29 across  
**23** 7 down plus 22 down  
**25** One thousand two hundred fifty-six less than 52 across  
**26** 33 across plus 22 down  
**27** Twice a prime number  
**28** Six times a square  
**31** Eight hundred sixty-eight less than 47 up  
**34** 44 across times 20 down  
**42** Mean of 54 across and 33 across  
**43** 33 across times 21 up  
**44** Mean of 9 up and 33 across  
**45** 55 up minus 22 down  
**47** One hundred ninety-six more than 42 across  
**48** Rearranged digits of 50 up  
**50** Twice the result of 49 across plus 22 across  
**51** Mean of 41 down and 46 across  
**53** A prime number  
**55** 33 across plus 29 across  
**56** Rearranged digits of 11 up  
**57** 25 up divided by 31 down  
**58** 20 down plus 54 across

**Down**

- 2** Three times a square  
**3** Twelve times a prime number  
**4** 58 up minus 26 up  
**6** Seventeen times a prime number  
**7** Same as 17 across  
**9** Ninety-one times 50 down  
**14** Seventy-seven times 53 down  
**15** 12 up reversed  
**16** 29 across plus 32 down  
**19** 13 across minus 21 up  
**20** 17 across minus 33 across  
**22** 53 up minus 32 down  
**30** 13 across divided by 15 across  
**31** 26 up minus 15 across  
**32** 9 down minus 10 across  
**34** Four times a prime number  
**35** 37 down minus 44 up  
**36** Half of 47 up, then subtract 8 across  
**37** 9 up plus 54 across  
**38** 18 across minus 50 down  
**40** Mean of 6 down and 5 across  
**41** Eight thousand five hundred seventy-seven less than 24 across  
**44** 29 across times 35 down  
**45** Four times a prime number  
**50** A square  
**53** 48 up divided by 58 up

**Solution:**

