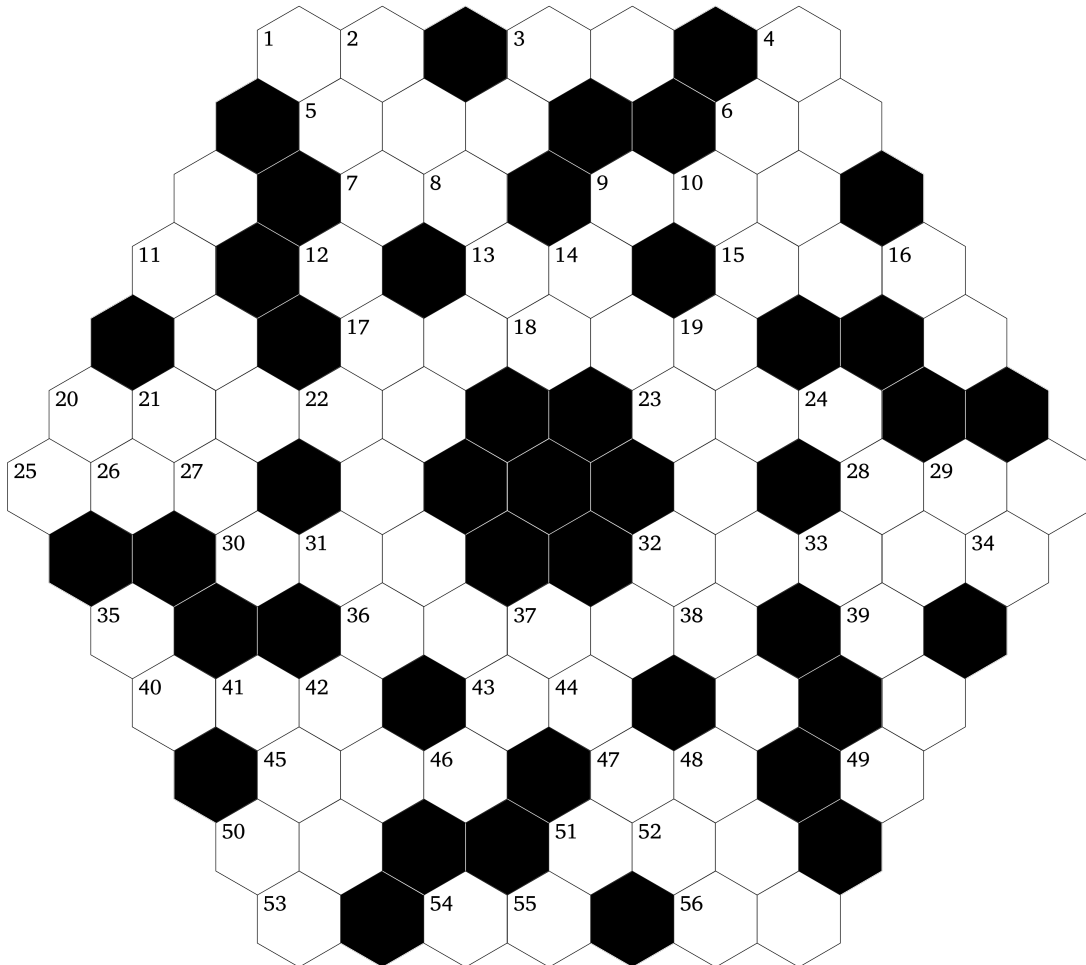
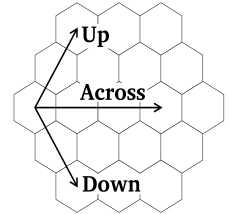


# TripleCross - Hard Puzzle #27

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** 11 up minus 5 up  
**3** 1 down minus 47 across  
**5** Mean of 1 down and 45 across  
**6** A square  
**7** 24 down minus 53 up  
**9** 6 down plus 10 up  
**13** 34 up minus 19 down  
**15** Mean of 9 across and 23 across  
**17** Its digits total 19 down  
**20** First two digits are the same as 5 up  
**23** 30 across minus 6 across  
**25** Twice a prime number  
**28** 56 up plus 8 up  
**30** 43 across plus 33 down  
**32** Eleven times a prime number  
**36** Ten thousand four hundred forty less than 31 up  
**40** Five times a prime number  
**43** Mean of 50 down and 38 up  
**45** 51 across divided by three  
**47** 55 up divided by 33 up  
**50** 35 down minus 20 down  
**51** 24 down minus 29 down  
**54** Same as 3 across  
**56** 11 up minus 1 across

**Up**

- 5** 49 up minus 7 across  
**8** Mean of 51 across and 52 up  
**10** 22 down divided by 39 up  
**11** 13 across plus 33 up  
**12** 33 up plus 40 across  
**18** 23 up divided by thirty-four  
**22** Three times 5 up  
**23** First two digits are the same as first two digits of 33 down  
**25** Mean of 50 across and 42 down  
**26** 45 across minus 5 up  
**27** 33 down minus 49 up  
**31** Twice the result of 14 down minus 25 up  
**33** 11 up minus 38 up  
**34** Half of 6 down, then subtract 1 down  
**38** 34 up minus 19 down  
**39** Mean of 16 down and 52 up  
**44** 36 across plus 11 down  
**46** Mean of 25 across and 22 up  
**49** 23 across minus 56 up  
**50** Twice a prime number  
**52** Mean of 6 down and 25 up  
**53** 12 up minus 52 up  
**55** 24 down plus 29 down  
**56** 52 up minus 30 across

**Down**

- 1** 35 down plus 11 up  
**2** Forty-nine times a prime number  
**4** 3 across reversed  
**6** A square  
**10** 19 down plus 16 down  
**11** Six times 10 down  
**12** 40 across minus 29 down  
**14** Nine times a prime number  
**16** Mean of 11 up and 54 across  
**19** 6 across minus 56 across  
**20** 50 across minus 43 across  
**21** Mean of 31 down and 53 up  
**22** 32 down times 10 up  
**24** Seventy-one times 19 down  
**29** 33 down minus 4 down  
**31** 27 up plus 43 across  
**32** Three-fourths of 30 across  
**33** 25 up plus 42 down  
**35** 30 across minus 7 across  
**37** Eight times a prime number  
**41** Mean of 40 across and 49 up  
**42** 7 across reversed  
**48** 12 up plus 56 across  
**50** 35 down minus 20 down

Solution:

