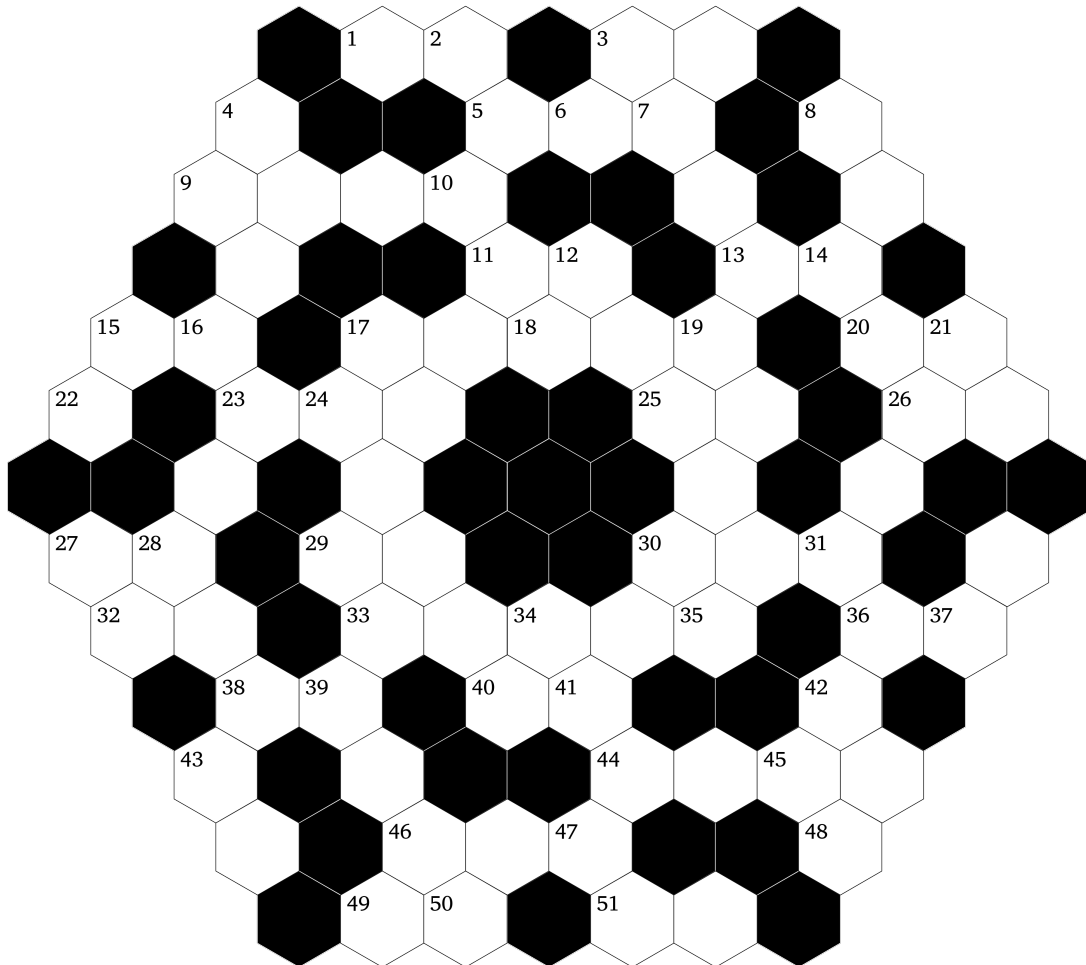
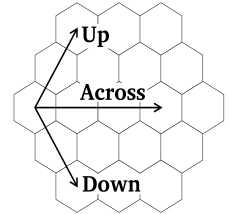


# TripleCross - Hard Puzzle #42

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 8 down minus 3 across  
 3 8 down minus 29 across  
 5 25 across plus 23 across  
 9 A square  
 11 43 up plus 47 up  
 13 3 across plus 16 down  
 15 27 across minus 30 down  
 17 Thirteen times a prime number  
 20 Mean of 31 down and 42 down  
 23 46 across plus 16 down  
 25 Mean of 47 up and 35 up  
 26 16 up minus 2 down  
 27 16 up minus 31 down  
 29 14 up minus 42 down  
 30 45 up minus 10 up  
 32 49 up minus 29 down  
 33 Twenty-two times a prime number  
 36 Mean of 32 across and 11 across  
 38 Twice the result of 29 down plus 40 up  
 40 2 down minus 40 up  
 44 Twice the result of 31 up plus 3 across  
 46 Twenty-six times 15 across  
 49 Mean of 25 across and 51 across  
 51 37 up plus half of 43 down

**Up**

- 6 17 down minus half of 48 up  
 7 Mean of 40 up and 27 across  
 9 Mean of 21 down and 7 up  
 10 3 down divided by 49 across  
 14 30 across divided by 43 up  
 16 27 down plus 8 down  
 18 A square  
 22 32 across plus 8 down  
 24 51 across plus 20 across  
 25 41 up divided by 11 across  
 29 Twice the result of 24 down minus 17 across  
 31 Thirteen times 23 across  
 32 39 down plus 4 down  
 35 A square  
 37 Mean of 1 across and 27 across  
 39 Mean of 14 down and 25 up  
 40 Mean of 10 up and 29 across  
 41 First two digits are the same as first two digits of 39 down  
 43 37 up minus 31 down  
 45 Thirteen times 48 up  
 47 43 down plus 35 up  
 48 27 down minus 3 across  
 49 24 up minus 31 down  
 50 31 down minus 43 down

**Down**

- 2 8 down plus 18 up  
 3 Mean of 49 up and 9 across  
 4 Mean of 47 down and 31 down  
 8 6 up minus 29 across  
 9 A prime number  
 10 Mean of 29 across and 34 down  
 12 First two digits are the same as 49 across  
 14 5 across plus 22 up  
 16 9 up minus 10 up  
 17 48 up plus 18 up  
 19 2 down minus 29 across  
 21 47 down minus 29 down  
 24 First two digits are the same as 38 across  
 27 49 up plus 42 down  
 28 51 across plus 39 up  
 29 Same as 43 down  
 30 48 up plus 16 down  
 31 Twice the result of 20 across minus 18 up  
 34 45 up plus 15 across  
 39 Thirty-three times a prime number  
 42 Half of 27 down, then subtract 29 across  
 43 31 down minus 29 down  
 45 49 across plus 31 down  
 47 Twice the result of 50 up plus 1 across

