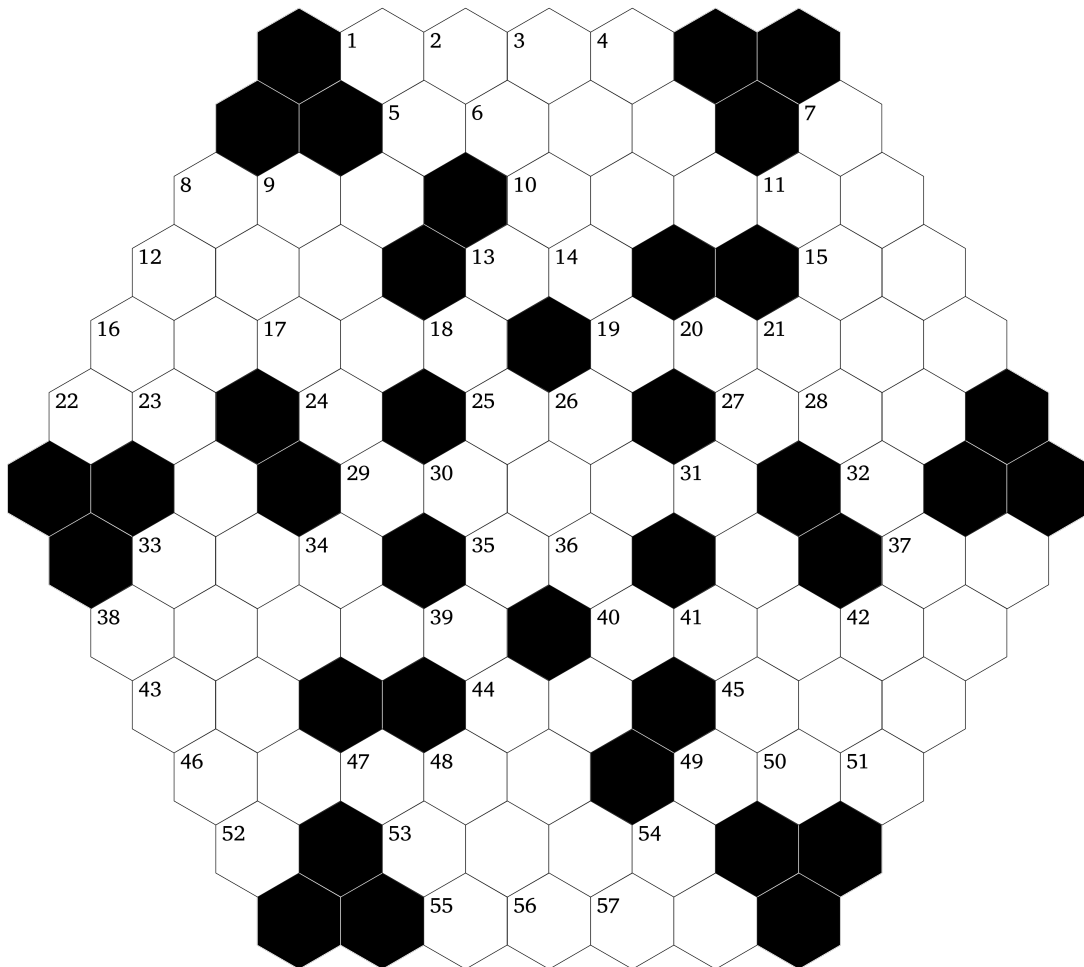
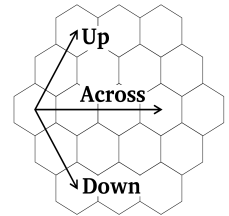


# TripleCross - Hard Puzzle #13

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 5 across plus 24 up  
 5 Three times a prime number  
 8 Forty times 37 across  
 10 Seven times a prime number  
 12 53 up plus half of 13 across  
 13 A square  
 15 Mean of 26 down and 22 across  
 16 50 up times 56 up  
 19 Four times a prime number  
 22 Sum of digits in 19 across  
 25 9 down minus 28 up  
 27 Mean of 8 across and 32 up  
 29 Three thousand nine hundred thirty-eight more than 21 down  
 33 Mean of 41 down and 36 up  
 35 Mean of 42 down and 20 down  
 37 A square  
 38 Six times a prime number  
 40 Seven hundred six more than 16 across  
 43 Twice the result of 35 across minus 41 up  
 44 15 across plus 22 across  
 45 A prime number  
 46 7 down plus half of 2 down  
 49 12 across plus 22 across  
 53 Ninety-three times a square  
 55 Four times a prime number

**Up**

- 6 Mean of 24 up and 36 up  
 11 35 across reversed  
 14 49 across minus 26 down  
 17 Eleven times a prime number  
 18 Fifteen times a prime number  
 22 Fourteen times a prime number  
 23 Seven hundred fifty-two less than 22 up  
 24 1 down plus 36 up  
 28 Mean of 8 across and 37 across  
 30 Half of 8 across, then subtract 47 down  
 31 Twenty-three times a prime number  
 32 38 up plus 41 down  
 36 Mean of 37 across and 38 up  
 38 Twice the result of 10 across minus 21 down  
 39 Twelve times a prime number  
 41 30 up minus 56 up  
 43 Six times 54 down  
 46 Two hundred nineteen less than 46 across  
 50 A prime number  
 51 Three hundred seventy more than 22 up  
 52 13 across minus 34 down  
 53 49 across minus 13 across  
 55 Four thousand fifty-five less than 39 down  
 56 54 down minus 41 up  
 57 Twice the result of 8 down minus 55 up

**Down**

- 1 Mean of 37 across and 52 up  
 2 Nine thousand twenty-four more than 19 across  
 3 6 up plus 43 up  
 4 3 down plus 12 down  
 7 Twelve times 27 across  
 8 Seventy-nine times a prime number  
 9 Twice the result of 31 up minus 29 across  
 11 Twice a prime number  
 12 Mean of 22 across and 15 across  
 16 Twice the result of 38 across plus 54 down  
 18 Seven thousand seven hundred forty-four more than 17 up  
 20 A prime number  
 21 A prime number  
 26 Half of 32 up, then subtract 28 up  
 30 56 up plus 41 up  
 31 Five thousand six hundred forty-one more than 57 up  
 33 51 up minus 52 up  
 34 A square  
 38 Eleven times 38 up  
 39 Twice a prime number  
 41 One hundred forty-one more than 48 down  
 42 12 down plus 22 across  
 47 Mean of 14 up and 12 down  
 48 49 across plus 52 up  
 54 Same as 30 up

