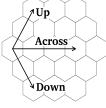


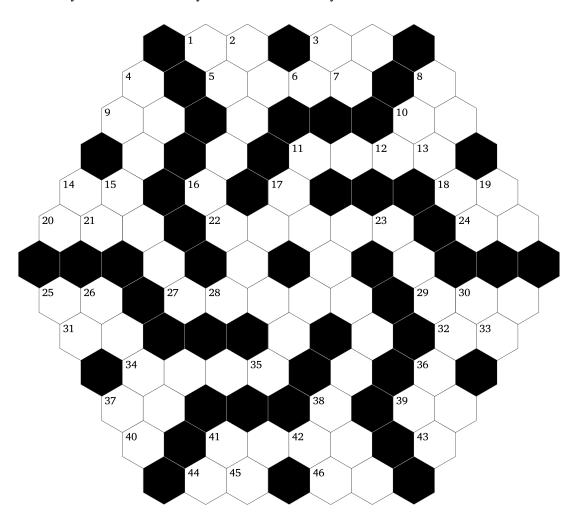
# **TripleCross - Hard Puzzle #33**

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

- 40 up divided by 3 across
- A square
- A square
- Mean of 25 down and 7 up
- 25 across minus 45 up
- 23 down plus 21 up
- A square
- Mean of 1 across and 5 up
- 11 across divided by 9 down
- 22 Its digits total 43 up
- 24 25 across minus 8 down
- 5 across divided by 14 across
- Last two digits are the same as 1 across
- 45 up plus 37 down
- Mean of 6 up and 41 down
- 39 across plus 5 up
- 44 across times 24 across
- 46 up plus 24 up
- 37 across minus 25 across
- 23 down minus half of 34 across
- 44 Mean of 46 up and 9 down
- 5 across divided by 44 up

### Up

- Mean of 43 up and 33 up
- 10 down divided by 9 across
- 2 down plus 46 across
- 46 up plus half of 19 down
- 12 A prime number
- 29 across minus 45 up
- **16** Half of 15 down, then subtract 12 up
- 20 Same as 14 down
- Four times a prime number
- 24 37 down minus 46 across
- 28 8 down plus half of 16 down
- Mean of 41 down and 25 across
- 33 38 down divided by 44 up
- Nineteen thousand one hundred thirty-eight more than 27 across
- 37 39 across plus 9 across
- A cube
- 40 1 across times 14 across
- A prime number
- 43 24 across minus 44 across
- 44 24 across minus 5 up
- 45 5 across divided by 42 down
- 7 up minus 36 down

#### Down

- 1 Four times a prime number
- 2 31 up minus 18 across
- 3 A square
- 24 up plus 43 up
- 46 up minus 3 across
- 6 up minus 45 up
- Last two digits are the same as 3 across
- 14 1 across minus 8 down
- Six times a prime number
- Ninety times a prime number
- 39 up times 39 down
- 25 across plus 43 up
- Nine hundred twenty-eight less than 42 up
- 5 up plus 42 down
- 35 up divided by forty-nine
- 46 up minus 45 up
- 9 down reversed
- Same as 13 up
- Nine times 31 across
- 39 Same as 30 down
- 44 up minus 8 down
- 42 Mean of 37 up and 44 across

# **Solution:**

