

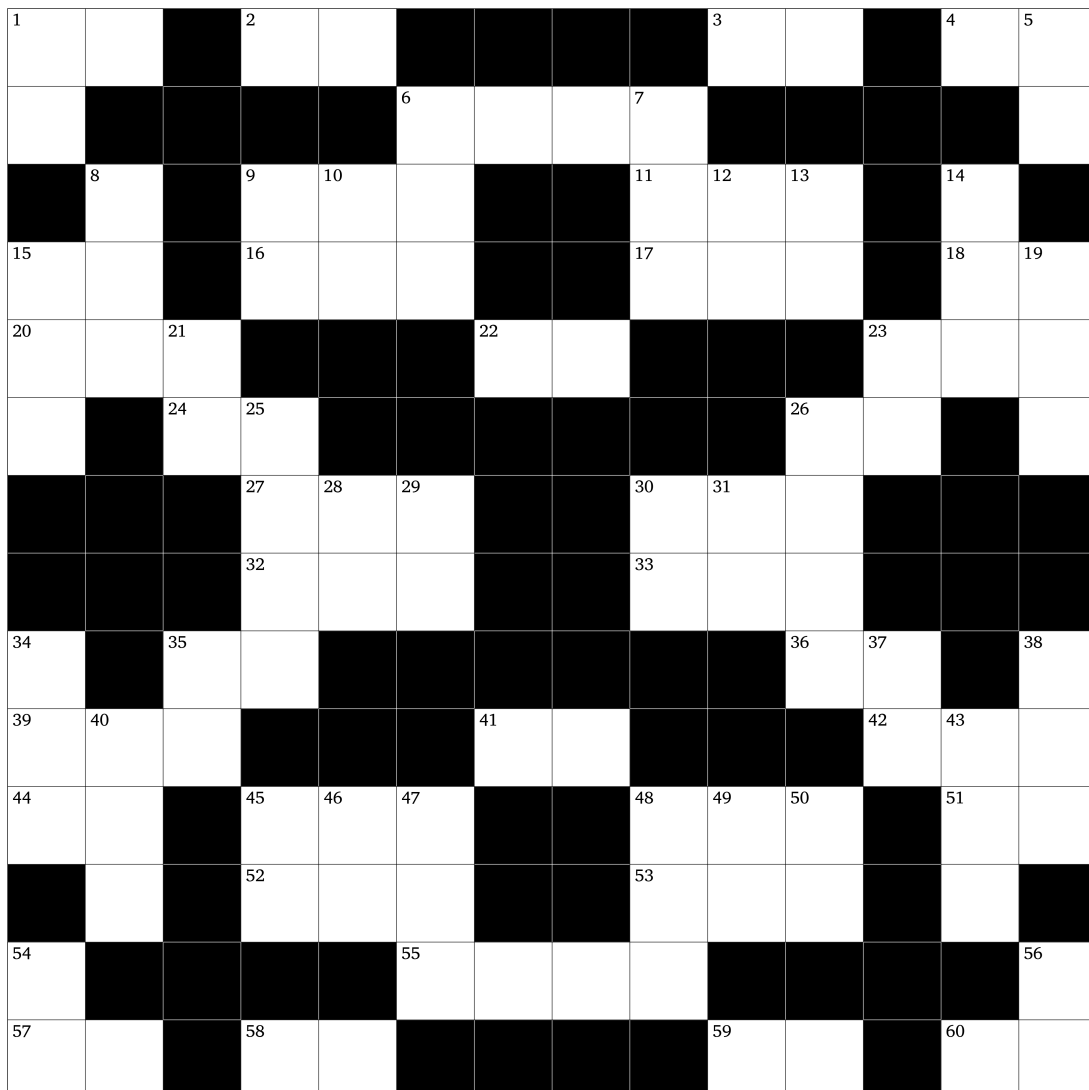
Difficulty: ★★★★★

## Cross Figure - Hard Puzzle #20

This puzzle is like a crossword, but with numbers. Each digit occupies a square and can be a part of a "word" in the across and down directions.

### Rules:

1. "Words" may not start with a zero.
2. "Words" read from left to right and top to bottom.
3. There is one unique solution which satisfies all the clues given below.
4. Some "words" may not have clues. They will be determined by the "words" which intersect them.



**Across**

- 1 12 down minus 28 down
- 2 Mean of 60 across and 23 down
- 3 Two-thirds of 8 down
- 4 Mean of 46 down and 10 down
- 6 Nine times a prime number
- 9 34 down minus 7 down
- 11 Mean of 47 down and 59 across
- 15 9 down minus 22 across
- 16 53 across minus 59 across
- 17 Same as 16 across
- 18 A square
- 20 Consecutive digits in descending order
- 22 28 down minus 30 down
- 23 34 down minus 59 across
- 24 Twice the result of 55 across minus 19 down
- 26 58 across plus 5 down
- 27 34 down minus 35 down
- 30 Half of 23 across, then subtract 16 across
- 32 3 across plus 37 down
- 33 Mean of 40 down and 35 across
- 35 59 across minus 26 across
- 36 55 across minus 27 across
- 39 9 across plus 26 across
- 41 Twice the result of 45 down minus 36 across
- 42 20 across plus half of 43 down
- 44 59 across minus 46 down
- 45 Mean of 14 down and 9 across
- 48 42 across minus 15 down
- 51 45 down minus 26 across
- 52 33 across plus 5 down
- 53 Six times 28 down
- 55 39 across plus 2 across
- 57 1 down plus 9 down
- 58 Mean of 57 across and 15 across
- 59 53 across minus 17 across
- 60 4 across minus 29 down

**Down**

- 1 Half of 2 across, then subtract 1 across
- 5 6 across minus 25 down
- 6 42 across minus 28 down
- 7 50 down plus 59 across
- 8 37 down plus 41 across
- 9 Mean of 10 down and 45 down
- 10 26 across plus 60 across
- 12 8 down minus 4 across
- 13 A prime number
- 14 20 across plus 24 across
- 15 Mean of 48 across and 26 across
- 19 27 across minus 5 down
- 21 57 across minus 54 down
- 23 Mean of 9 down and 57 across
- 25 A prime number
- 26 Seven times a prime number
- 28 45 across minus 14 down
- 29 18 across minus 51 across
- 30 Same as 1 across
- 31 59 across minus 56 down
- 34 A prime number
- 35 28 down minus 21 down
- 37 Mean of 50 down and 2 across
- 38 54 down plus 9 down
- 40 Mean of 55 across and 58 across
- 43 35 across plus 57 across
- 45 Mean of 2 across and 30 across
- 46 53 across divided by 35 down
- 47 48 across minus 11 across
- 48 53 across plus 1 down
- 49 Mean of 45 down and 35 down
- 50 45 down minus 22 across
- 54 A square
- 56 22 across plus 60 across

## Solution:

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 |   | 5 | 2 |   |   |   |   | 9 | 0 |   | 5 | 1 |
| 4 |   |   |   |   | 6 | 9 | 2 | 1 |   |   |   |   | 0 |
|   | 1 |   | 8 | 8 | 4 |   |   | 1 | 8 | 1 |   | 7 |   |
| 2 | 3 |   | 3 | 4 | 1 |   |   | 3 | 4 | 1 |   | 4 | 9 |
| 6 | 5 | 4 |   |   |   | 6 | 0 |   |   |   | 9 | 0 | 6 |
| 1 |   | 8 | 6 |   |   |   |   |   |   | 7 | 0 |   | 3 |
|   |   |   | 9 | 7 | 3 |   |   | 1 | 1 | 2 |   |   |   |
|   |   |   | 1 | 2 | 7 |   |   | 2 | 7 | 7 |   |   |   |
| 9 |   | 2 | 1 |   |   |   |   |   |   | 3 | 3 |   | 1 |
| 9 | 5 | 4 |   |   |   | 9 | 8 |   |   |   | 7 | 1 | 3 |
| 7 | 3 |   | 8 | 1 | 2 |   |   | 4 | 5 | 2 |   | 1 | 2 |
|   | 3 |   | 2 | 8 | 7 |   |   | 4 | 3 | 2 |   | 8 |   |
| 4 |   |   |   |   | 1 | 0 | 0 | 6 |   |   |   |   | 7 |
| 9 | 7 |   | 6 | 0 |   |   |   |   | 9 | 1 |   | 1 | 4 |