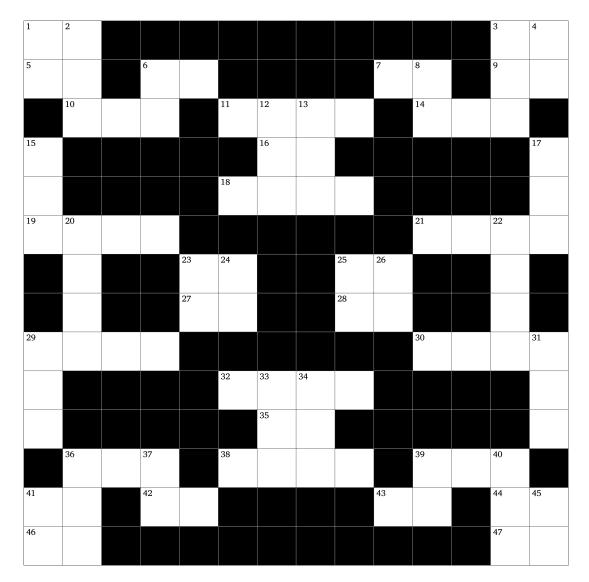
## Difficulty: $\bigstar \bigstar \bigstar \bigstar \bigstar$

# CrossFigure - Hard Puzzle #37

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 10 across minus half of 7 across
- 3 Mean of 35 across and 23 down
- **5** 6 down minus half of 45 down
- 6 Mean of 25 down and 16 across
- 7 41 down plus 23 down
- **9** Mean of 23 across and 3 across
- 10 Twice 8 down
- 11 33 down plus 39 across
- **14** 42 across plus 7 across
- 16 25 across minus 1 down
- 18 Sixty-two more than 38 across
- 19 A prime number
- 21 25 across plus half of 38 across
- **23** 6 down minus 23 down
- ${\bf 25}$  Mean of 43 across and 12 down
- 27 5 across plus 45 down
- **28** 36 across divided by 26 down
- 29 Mean of 19 across and 6 across
- 30 22 down minus 14 across
- 32 Two hundred sixty-three less than 19 across
- **35** Mean of 27 across and 7 across
- 36 28 across times 44 across
- **38** Eight times a prime number
- **39** Three times a prime number
- 41 Mean of 16 across and 7 across
- 42 A square
- 43 Mean of 1 down and 9 across
- 44 Same as 26 down
- 46 27 across minus 16 across
- 47 27 across minus 6 down

#### Down

- 1 41 across plus 26 down
- **2** 6 across plus 36 across
- **3** Twenty-seven times 16 across
- 4 Mean of 43 across and 12 down
- 6 Mean of 27 across and 5 across
- **8** 1 across minus 26 down
- **12** 18 across divided by 41 across
- **13** 7 across plus 31 down
- **15** 39 across minus 43 across
- **17** Half of 33 down, then subtract 42 across
- **20** Half of 32 across, then subtract 25 down
- **22** Sixteen times a prime number
- **23** Mean of 37 down and 5 across
- **24** 4 down minus 3 across
- **25** 1 down plus 23 across **26** 35 across minus 1 down
- **20** 35 across minus 1 dov **29** 34 down reversed
- **31** 10 across reversed
- **33** Last two digits are the same as 7 across
- **34** Three times a prime number
- **36** Thirteen times 42 across
- 37 Mean of 6 down and 47 across
- **39** 1 across minus 41 across
- 40 11 across minus 31 down
- 41 Mean of 16 across and 25 down
- 45 6 across plus 23 across

### Solution:

F	٩											5	9
1	2		5	7					8	6		4	1
	1	2	2		1	1	3	5		1	5	0	
1						2	0						3
٩					6	6	7	8					7
3	1	2	1							3	3	٩	٩
	3			2	3			٩	1			8	
	3			٩	2			4	8			7	
1	5	8	٩							٩	7	2	2
٩					2	8	5	8					2
5						8	٩						1
	8	6	4		6	6	1	6		2	4	9	
5	3		6	4					5	6		1	8
7	2											4	0