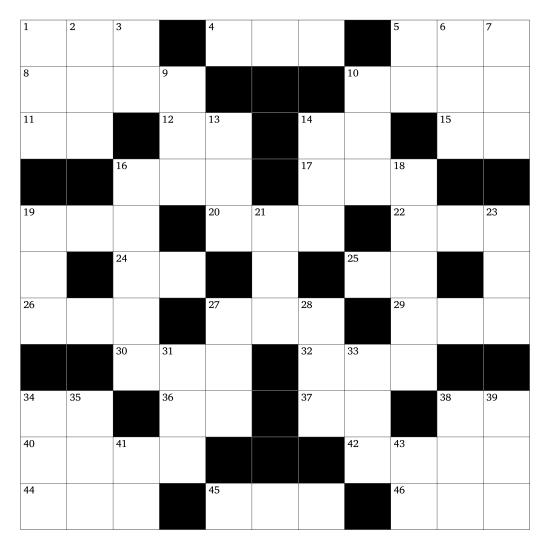
## Difficulty: $\bigstar \bigstar \bigstar \bigstar \bigstar$

# CrossFigure - Hard Puzzle #41

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 29 across plus 24 across
- **4** 3 down times 5 down
- 5 44 across minus 7 down
- **8** A prime number
- **10** 38 across plus 40 across
- 11 39 down minus 13 down
- 12 27 down minus 41 down
- 14 27 down minus 43 down
- 15 38 down divided by three
- **16** Twice 7 down
- **17** A square
- **19** 41 down plus 6 down
- **20** 26 across minus 27 across
- **22** Twice the result of 21 down minus 16 across
- **24** Sum of digits in 23 down
- **25** 2 down minus 32 across
- $\mathbf{26}$  A cube
- 27 45 across minus 6 down
- **29** 14 across plus 38 down
- **30** Mean of 34 across and 34 down
- **32** Five times 38 across
- **34** 33 down minus 15 across
- **36** 37 across minus 5 down
- **37** Twice the result of 45 across minus 19 down
- 38 Same as 14 across
- **40** 10 across minus 14 across
- 42 One thousand four hundred twenty-six more than 40 across
- 44 Mean of 26 across and 2 down
- 45 2 down plus 46 across
- 46 Mean of 9 down and 43 down

#### Down

- 1 26 across minus 28 down
- 2 Mean of 1 across and 25 across
- **3** 7 down minus 38 down
- **5** 34 across minus 14 across
- **6** 13 down plus 27 across
- 7 45 across minus 1 down
- 9 20 across plus 2 down
- **10** 2 down plus 45 across
- 13 29 across plus 11 across
- 14 46 across minus 31 down
- 16 Twenty-four times a prime number18 20 across times 31 down
- **19** Three times 2 down
- **21** 16 across plus 12 across
- **23** 15 across plus 20 across
- **27** Half of 44 across, then subtract 32 across
- **28** 17 across minus 1 down
- 31 41 down plus 32 across
- **33** 37 across plus 36 across
- **34** 37 across plus 1 down
- **35** Eight times a prime number
- 38 Mean of 19 across and 38 across
- **39** 5 across plus 30 across
- **41** 12 across minus 11 across
- 43 Mean of 32 across and 12 across

### Solution:

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