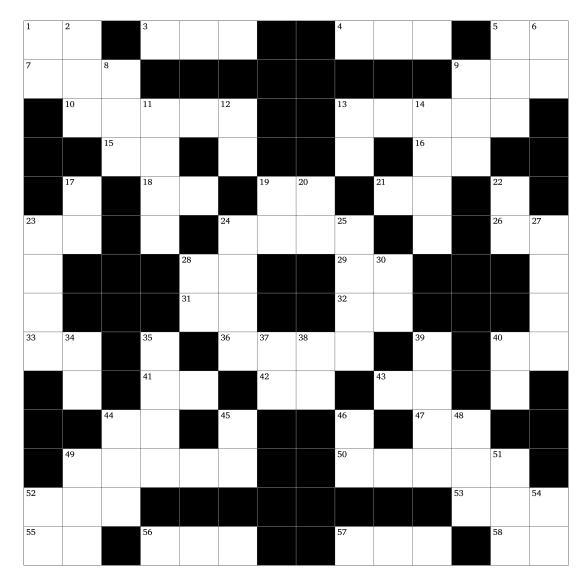
## Difficulty: $\bigstar \bigstar \bigstar \bigstar \bigstar$

# CrossFigure - Hard Puzzle #15

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** A square
- **3** 9 across minus 21 across
- 4 16 across plus half of 20 down
- **5** 12 down minus 16 across
- 7 Mean of 8 down and 6 down
- **9** A square
- 10 Its digits total 1 down
- **13** Twenty-nine times a prime number
- **15** Mean of 1 down and 31 across
- **16** 47 across plus 42 across
- **18** 32 across minus 42 across
- **19** 48 down minus 19 down
- 21 31 across minus 5 across
- 23 Mean of 32 across and 45 down
- **24** 51 down times 13 down
- **26** 18 across plus 15 across
- **28** 4 across minus 42 across
- 29 A square
- **31** 37 down plus 22 down
- **32** 27 down divided by 37 down
- **33** 4 across minus 40 across
- 36 Twice the result of 23 down plus 3 across
- 40 5 across plus half of 12 down
- 41 9 down minus 9 across
- 42 Mean of 32 across and 23 across
- 43 28 across minus 32 across
- 44 19 down minus 26 across
- 47 5 down minus 44 down
- 49 Last two digits are the same as 45 down
- **50** Fifty-eight times a prime number
- 52 2 down minus 1 across
- 53 34 down times 29 across
- 55 41 across plus 1 down
- 56 52 down plus 29 across
- 57 53 across plus 15 across
- 58 33 across plus 28 across

#### Down

- 1 17 down minus 22 down
- 2 Mean of 35 down and 23 across
- 5 Half of 49 down, then subtract 21 across
- 6 A square
- 8 23 across plus 2 down
- 9 16 across plus 44 down
- **11** Five times a prime number
- **12** 26 across plus 54 down
- 13 2 down divided by 22 down
- **14** A prime number
- 17 58 across minus 54 down
- 19 54 down plus 17 down
- **20** 45 down plus 32 across
- **22** 26 across minus 41 across
- **23** Twenty-nine times a prime number
- 24 Four times a prime number25 Four times a prime number
- **27** Forty-five times 20 down
- **28** 31 across minus 54 down
- **30** 27 down divided by 23 across
- **34** 24 across divided by 51 down
- **35** Forty-two times 33 across
- **37** Mean of 30 down and 13 down
- **38** Mean of 52 down and 12 down
- **39** Mean of 11 down and 28 across
- **40** 35 down minus half of 25 down
- **44** 43 across times 44 across
- 45 Half of 42 across, then subtract 18 across
- 46 Twice the result of 56 across minus 31 across
- 48 Same as 3 across
- 49 Fifty-eight times 43 across
- 51 A square
- 52 33 across plus half of 17 down
- **54** Sum of digits in 13 across

### Solution:

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