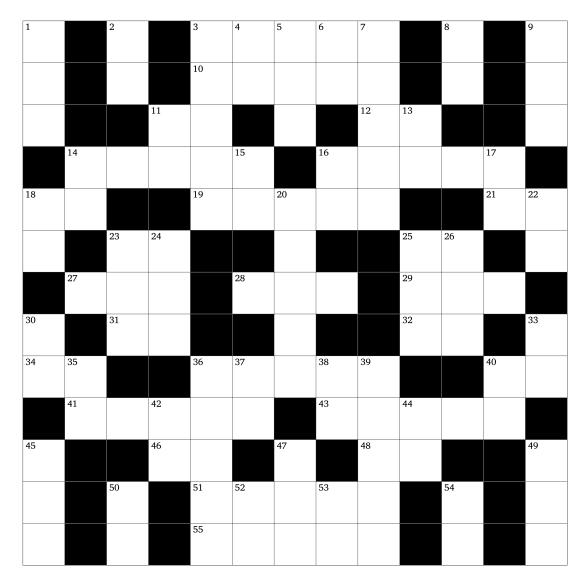


# CrossFigure - Hard Puzzle #49

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

- **3** Twice a prime number
- 10 49 down times 2 down
- 11 6 down plus 52 down
- **12** 23 down minus half of 1 down
- 14 A prime number
- 16 Its digits total 52 down
- 18 Five times 38 down
- **19** Seven thousand ninety-six less than 14 across
- **21** Half of 45 down, then subtract 27 across
- 23 15 down minus half of 22 down
- **25** A prime number
- **27** A prime number
- 28 42 down plus half of 9 down
- 29 36 down minus 19 across
- 31 23 down minus 29 across
- **32** 13 down minus 40 across
- $\mathbf{34}$  Half of 48 across, then subtract 44 down
- **36** Four times a prime number
- 40 14 down minus 21 across
- 41 Mean of 3 across and 8 down
- **43** Eleven thousand three hundred seventy-nine less than 14 across
- 46 Mean of 22 down and 12 across
- **48** 49 down minus 28 across
- 51 Last two digits are the same as 34 across
- 55 25 down times 35 down

#### Down

- **1** Four times a prime number
- **2** 8 down plus 25 across
- **3** Last two digits are the same as last two digits of 5 down
- **4** Half of 37 down, then subtract 11 across
- **5** 54 down times 38 down
- 6 16 down minus 40 down
- 7 50 down plus half of 43 across
- 8 11 across minus 40 down
- **9** 52 down times 6 down
- **11** 40 down plus 44 down
- **13** Half of 24 down, then subtract 47 down
- 14 33 down plus half of 40 down
- **15** Mean of 29 across and 16 down
- **16** Mean of 53 down and 11 down
- 17 Half of 11 down
- **18** Twice the result of 32 across plus 17 down
- **20** Last two digits are the same as 30 down
- 22 Two-fifths of 9 down
- 23 9 down minus 30 down
- **24** 37 down plus 26 down
- 25 27 across plus 6 down
- **26** Two hundred thirty-eight less than 45 down
- **30** Sum of digits in 14 across
- **33** A square
- **35** 34 across plus 25 across
- **36** First two digits are the same as 48 across
- 37 Mean of 18 down and 18 across
- **38** 14 down divided by five
- **39** Mean of 20 down and 6 down
- **40** 50 down minus 35 down
- 42 34 across plus 23 across
- **44** A square
- **45** 16 down times 30 down
- **47** Five times a prime number
- **49** 28 across plus 31 across
- **50** 29 across minus 16 down **52** Mean of 23 across and 6 down
- **53** 33 down minus 42 down
- **54** 13 down minus 32 across

## Solution:

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