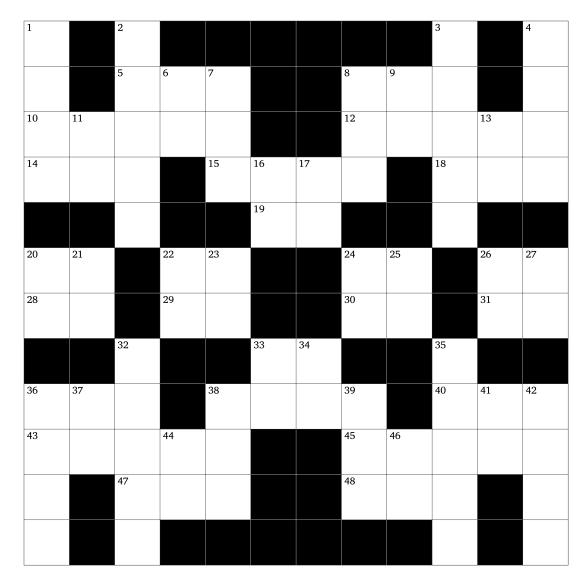
## Difficulty: $\bigstar \bigstar \bigstar \bigstar \bigstar$

# CrossFigure - Hard Puzzle #7

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

- **5** A prime number
- 8 Six times 25 down
- **10** Three times a prime number
- **12** A prime number
- 14 21 down times 24 down
- 15 Five hundred seventy-three less than 42 down
- **18** 48 across minus 9 down
- 19 36 across minus 30 across
- **20** 7 down minus 27 down
- 22 Mean of 13 down and 44 down
- **24** 25 down minus 21 down
- 26 39 down minus 20 across
- 28 38 down divided by 19 across
- 29 Same as 19 across
- 30 31 across plus 44 down
- **31** 22 down plus 25 down
- 33 47 across divided by 22 across
- 36 40 across plus 33 down
- **38** Forty-three times a prime number
- 40 46 down plus half of 31 across
- **43** Eleven times a prime number
- **45** 43 across plus half of 42 down
- **47** Mean of 26 down and 5 across
- 48 46 down plus 18 across

#### Down

- 1 2 down minus 35 down
- **2** Twenty-nine times a prime number
- **3** Last two digits are the same as last two digits of 40 across
- **4** Twice a prime number
- 6 Sum of digits in 3 down
- 7 47 across minus 8 down
- 8 29 across plus 18 across
- **9** 30 across reversed
- 11 Twice the result of 22 across plus 24 down
- 13 Mean of 21 down and 44 down
- **16** Sum of digits in 15 across
- 17 A square
- 20 21 down minus 33 across
- **21** 7 down minus 17 down
- $\mathbf{22} \,\, \textbf{36} \,\, \textbf{across minus 7 down}$
- 23 A square
- 24 Mean of 41 down and 33 across
- **25** 48 across minus 8 down
- **26** 40 across minus 22 across
- **27** 39 down minus 13 down
- **32** 12 across plus half of 18 across
- **33** 37 down minus 20 down
- **34** A square
  - **35** Six thousand nine hundred fifty-four less than 3 down
  - **36** Mean of 4 down and 8 across
  - 37 Mean of 34 down and 21 down
  - **38** 33 down times 29 across
  - **39** Mean of 18 across and 34 down
  - 41 Mean of 28 across and 34 down
  - **42** Six times a prime number
  - **44** 47 across divided by 24 across
  - 46 Mean of 23 down and 26 down

### Solution:

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