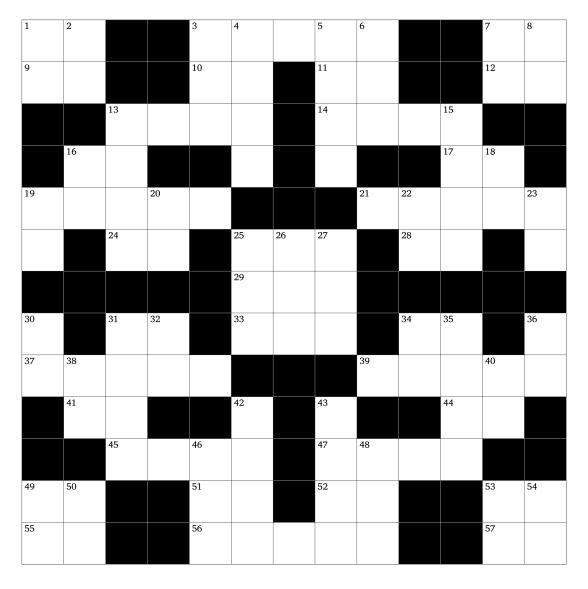


CrossFigure - Hard Puzzle #12

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 35 down divided by 1 down
- **3** 4 down times 52 across
- 7 Half of 15 down, then subtract 13 down
- 9 19 down minus 10 across
- 10 Mean of 52 across and 53 across
- 11 Mean of 8 down and 49 down
- 12 54 down plus 24 across
- 13 47 across plus 25 across
- 14 Consecutive digits in descending order
- 16 Mean of 30 down and 1 down
- 17 Mean of 26 down and 1 down
- **19** Twenty-four times a prime number
- 21 Last two digits are the same as 28 across
- **24** A square
- **25** 31 down minus 49 across
- 28 23 down minus 20 down
- **29** A cube
- 31 19 down minus 53 across
- **33** Twice a prime number
- **34** Twice the result of 22 down minus 50 down
- **37** First two digits are the same as first two digits of 6 down
- **39** Twice a prime number
- 41 Mean of 7 down and 57 across
- 44 10 across plus 36 down
- **45** 43 down plus 36 down
- 47 Mean of 8 down and 43 down
- **49** 18 down plus 34 down
- 51 29 across minus 19 down
- **52** A square
- 53 Mean of 9 across and 23 down
- 55 24 across minus 52 across
- **56** A prime number
- **57** 16 across minus 10 across

Down

- 1 7 down minus 20 down
- 2 22 down minus 9 across
- **3** Forty-nine times 31 across
- 4 3 across divided by 38 down
- 5 Two thousand three hundred twenty-one more than 14 across
- 6 21 across minus 19 across
- 7 26 down minus 20 down
- **8** 51 across plus half of 12 across
- **13** Sixty-nine times 57 across
- **15** Four times a prime number
- 16 Mean of 2 down and 26 down
- 18 Mean of 22 down and 49 down
- **19** 40 down minus 38 down
- **20** 40 down minus 53 down
- 22 26 down minus 28 across
- 23 57 across plus 55 across
- 25 Mean of 25 across and 33 across
- **26** Twice the result of 29 across minus 24 across
- **27** Four times a prime number
- 30 56 across minus 5 down
- 31 33 across plus 32 down
- 32 Mean of 7 down and 30 down
- 34 Half of 17 across, then subtract 2 down
- **35** Fifty-four times a prime number
- 36 53 across minus 57 across
- **38** A square
- **40** 57 across plus 53 down
- 42 Half of 39 across, then subtract 37 across
- **43** A square
- **46** A square
- **48** 49 down plus 16 across
- 49 Mean of 30 down and 49 across
- 50 Mean of 10 across and 40 down
- 53 Mean of 49 down and 2 down
- **54** Twice the result of 3 down minus 25 down

Solution:

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