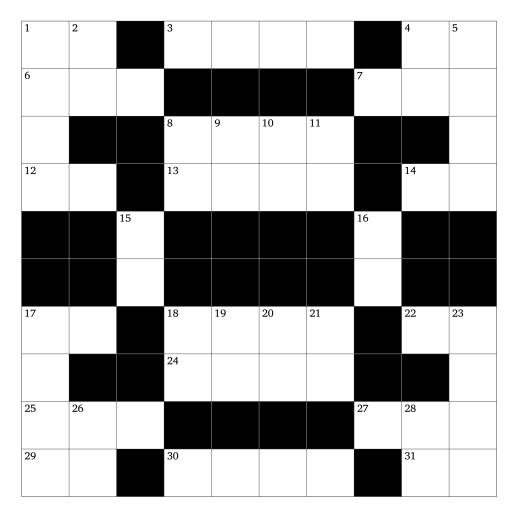
Difficulty: $\bigstar \bigstar \bigstar \bigstar$

CrossFigure - Challenging Puzzle #31

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 8 down plus 19 down
- **3** 22 across times 28 down
- 4 11 down minus 22 across
- **6** Five times a prime number
- 7 A prime number
- **8** 17 down minus 19 down
- **12** 31 across minus 21 down
- 13 Fourteen times a prime number
- 14 9 down minus 18 down
- 17 Mean of 12 across and 4 down
- **18** 6 across plus half of 27 across
- **22** 3 across divided by 1 across
- 25 8 down plus 31 across
- **27** Four times a prime number
- **29** Twice the result of 16 down plus 19 down
- **30** Twice the result of 13 across plus 4 down
- $\mathbf{31}$ 9 down plus 18 down

Down

- **1** Thirty-nine times a square
- 2 25 across minus 8 down
- 4 A cube
- 5 17 down plus 26 down
- **8** 28 down minus 19 down
- **9** 7 across minus 11 down
- 10 20 down reversed
- **11** Mean of 31 across and 10 down
- **15** 8 across divided by 12 across
- **16** 15 down minus 29 across
- **17** 5 down minus 17 across
- 18 2 down minus 9 down
- **19** A square
- **20** 25 across minus 14 across
- **21** 8 down minus 16 down
- 23 Mean of 24 across and 26 down
- **26** 18 down plus 21 down
- **28** A prime number

Solution:

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