

# CrossFigure - Challenging Puzzle #19

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:**

- "Words" may not start with a zero.
- "Words" read from left to right and top to bottom.
- There is one unique solution which satisfies all the clues given below.
- Some "words" may not have clues. They will be determined by the "words" which intersect them.

1						2		
			3	4	5			
6	7		8			9		
	10				11			
	12		13		14			
15			16	17		18		
			19					
20						21		

**Across**

- 1 Five times a prime number
- 2 12 across minus half of 6 across
- 3 A prime number
- 6 Mean of 4 down and 9 across
- 8 A prime number
- 9 20 across divided by seventy-five
- 10 11 across minus half of 20 across
- 11 20 across minus 17 down
- 12 Mean of 20 across and 18 across
- 14 Twice the result of 3 across plus 18 across
- 15 A prime number
- 16 Rearranged digits of 5 down
- 18 Twice a square

**Across (continued)**

- 19 3 down minus 9 across
- 20 A square
- 21 One hundred fifty-six less than 1 across

**Down**

- 3 Mean of 15 across and 10 across
- 4 Four times a prime number
- 5 1 across minus 8 across
- 7 Seventy-three times a prime number
- 9 Mean of 7 down and 21 across
- 13 A prime number
- 14 Mean of 13 down and 16 across
- 17 A prime number

Solution:

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