

# Cross Figure - Challenging Puzzle #4

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.

1		2		3	4		5			6		7
		8	9						10			
11	12		13			14		15			16	
17		18								19		
	20				21		22		23			
24												25
26			27				28				29	
		30								31		
	32								33		34	
35						36				37		38
39			40					41	42		43	
		44			45		46		47	48		
49				50			51			52		

**Across**

- 1 34 down reversed
- 3 12 down divided by 36 down
- 5 Half of 37 across, then subtract 24 down
- 6 25 down minus 4 down
- 8 3 across reversed
- 10 11 across plus 48 down
- 11 12 down divided by 3 across
- 13 A square
- 15 Half of 2 down, then subtract 14 down
- 16 48 down minus 44 across
- 17 16 across times 47 across
- 19 Twice a prime number
- 20 25 down minus 44 across
- 23 Mean of 35 down and 49 across
- 26 40 across reversed
- 27 39 across times 42 down
- 28 Mean of 44 across and 37 across
- 29 48 down minus 42 down
- 32 5 down plus half of 19 across
- 33 23 across minus 18 down
- 35 9 down plus 5 down
- 37 15 across plus 52 across
- 39 40 across minus 9 down
- 40 Mean of 5 down and 48 down
- 41 Sum of digits in 35 down
- 43 44 down plus 51 across
- 44 A square
- 47 49 across minus 32 down
- 49 Mean of 1 across and 45 down
- 50 12 down divided by 3 across
- 51 7 down divided by 40 across
- 52 10 across plus 19 down

**Down**

- 1 30 down times 46 down
- 2 10 across plus 9 down
- 4 A square
- 5 Five times 16 across
- 6 44 across plus 15 across
- 7 Ninety-three times 44 across
- 9 27 across divided by 39 across
- 10 50 across plus 43 across
- 12 Fifty-two times 16 across
- 14 4 down minus 50 across
- 16 28 across minus 10 across
- 18 25 down minus 32 down
- 19 13 across times 42 down
- 21 35 across times 20 across
- 22 34 down times 40 down
- 24 2 down plus 48 down
- 25 Fifteen times 8 across
- 30 33 across minus 16 down
- 31 Twice the result of 28 across plus 26 across
- 32 Mean of 52 across and 29 across
- 34 1 across reversed
- 35 Twenty-two times 40 down
- 36 6 down minus 44 down
- 38 A square
- 40 Mean of 35 across and 9 down
- 42 11 across minus 16 across
- 44 39 across reversed
- 45 35 across minus 46 down
- 46 6 down minus 39 across
- 48 10 across minus 50 across

**Solution:**

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