

12 Days of ChrisMATH — Day 3

The rules of this Number Crossword is the same as a traditional Crossword. Place numbers from 1 to 9 in the cells (note, solution does not include zero).

For this challenge, solve the 3 Number Crossword on the next pages.

To submit your answer, write as a single number the digits from each cell in this order: ABCDEFGHIJK.

Don't use spaces or punctuation. For example, consider the following solved Number Crossword puzzle:

	A	B	C
	2	1	5
	D	E	F
	8	4	3
G	H	I	
3	2	3	
J	K	L	
1	8	9	

Your answer should look like: 215843323189.

Puzzle 1

ACROSS

- A. Consecutive even digits, ascending
- D. Consecutive digits, ascending
- G. The sum of the digits is 16
- J. The sum of digits is 10

DOWN

- A. Consecutive digits, ascending
- B. Four identical digits
- C. A multiple of 5
- G. A multiple of 9

	A	B	C
	D	E	F
G	H	I	
J	K	L	

Puzzle 2

ACROSS

- A. N-Down times 17
- D. Five identical odd digits
- H. A power of 2
- J. A perfect square written backward
- L. A number in the form ababa
- Q. N-Down times 19

DOWN

- A. A multiple of N-Down
- B. A multiple of 13
- C. A multiple of N-Down
- D. A multiple of 11
- G. The digits of the number 214, rearranged
- N. A prime number

	A	B	C	
D	E	F	F	G
H	I		J	K
L	M	N	O	P
	Q	R	S	

Puzzle 3

ACROSS

- A. Consecutive digits, increasing
- D. The sum of the digits is 13
- G. A perfect square
- J. A palindrome

DOWN

- A. Its last 3 digits are the same
- B. Its middle 2 digits are the same
- C. Square root of A-Down
- G. Square root of B-Down

	A	B	C
	D	E	F
G	H	I	
J	K	L	