

How to solve the puzzle

1. Solve the number crossword using the clues.

Example: $3A + 2$ means use the answer from 3 across and add 2.

2. Once you have completed the number crossword, add up the numbers in **each** row and column shown by the arrows and write them in the box.
3. Use the cypher below to work out what letter each number stands for. These six letters form an anagram of where Ada Lovelace was born!

		1	2		3	1	0	
4								7
8				9		10		
			11		12			
13				14		15	16	
			17		18	6		
		19			20	1		

Birth place:

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Clues

A = across
D = down

- Across**
- 1 $3A + 2$
 - 8 $18D + 2D$
 - 9 $20A - 8$
 - 10 $13A - 2$
 - 11 $17D - 14A$
 - 12 $2D \div 4$
 - 13 $17D \times 2$
 - 14 $1A - 3$
 - 15 $14A \times 5$
 - 19 $2D + 9A$
 - 20 $1A + 2$

- Down**
- 2 $13D - 1A$
 - 3 $3A + 1$
 - 4 $1A \times 4$
 - 7 $3A \times 5$
 - 13 $10A + 2$
 - 16 $15A + 3A$
 - 17 $9A + 3A$

Did you know?

Ada Lovelace was an English mathematician and writer. She is considered to be the first computer programmer!

Do you think she would have been able to solve this tricky numbers puzzle?



Answers

4	→		¹ 1	² 2		³ 1	0	
		⁴ 4		0		1		⁷ 5
12	→	⁸ 8	1		⁹ 6		¹⁰ 3	0
				¹¹ 7		¹² 5		
14	→	¹³ 3	2		¹⁴ 9		¹⁵ 4	¹⁶ 5
		2		¹⁷ 1		¹⁸ 6		5
			¹⁹ 2	6		²⁰ 1	4	

Birth place: **LONDON**

↑

15

↑

14

↑

15