



Madeline

By Ryan Thomas

answer: APPENDICITIS

This is a fairly straightforward, albeit difficult, logic puzzle with no extra layers. Solving the puzzle fully will leave you with the following line:

row	first name	last name	line 1	line 2	first name	last name
1	A	A			R	P
2	P	L			E	E
3	N	M			S	D
4	I	O			O	C
5	I	S			L	T
6	I	T			U	S

Reading down the inside columns will spell out “ALMOST RESOLU,” where *resolu* is French for “solved.” Reading across the outside columns instead (where the underlines are bolded) will spell out the final answer, “APPENDICITIS,” which refers to the original *Madeline* book, in which Madeline must get her appendix removed.

Here is an abridged series of logical steps which would result in the full solution of the puzzle:

1. Use Urel and Adriana’s rules to place them first.
2. Use Isabel’s rule to place her at either 1-5, 1-6, or 2-5.
3. Using Lou’s rule, conclude that line 2 cannot be in alphabetical order, so Nicole must be in line 1.
4. By Orva’s rule, place Orva in Line 2 and Inez in line 1. In combination with Iris’ rule, this allows Iriz and Inez at 1-4 and 1-5, respectively.
5. Since there is no last name between Motte and Olivier, Nicole must be at 1-3.
6. With Paula’s rule, you can determine that Paula must be at either 1-2 or 2-1. Combined with Ella’s rule, we can conclude that Ella must be at 2-2.
7. With no more empty adjacent spaces, we can conclude through Rchelle’s rule that Rachelle must be next to Adriana, at either 1-2 or 2-1.
8. By Nicole’s rule, Rachelle must be at 2-1, which forces Paula to be at 1-2. Adding on Ella’s rule, Suzanne must be at 2-3.
9. With Suzanne placed, Lou must also be in line 2, which allows us to place both Isabel and Lou.