

# Solution to Evacuation

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The first step is to solve the logic puzzle to find the order of the passengers. Using the first letter of each name yields the outcome TAPCODE. Looking up the tap code online reveals that the tap code is an alphabet encoding assigning coordinates of a 5x5 grid to letters.

	1	2	3	4	5
1	A	B	C	D	E
2	F	G	H	I	J
3	L	M	N	O	P
4	Q	R	S	T	U
5	V	W	X	Y	Z

Each name in the passenger manifest is the name of a north Atlantic hurricane; the year that the hurricane occurred is given as a reference to differentiate between two hurricanes with the same name.

Two names appear in each statement of the logic puzzle. All the numbers of the tap code range from 1 to 5; also, the category (which measures the intensity, and can be looked up online) of a hurricane ranges from 1 to 5. Each hurricane name can be replaced by its category, which yields a pair of numbers representing a letter in the tap code.

1. Tanya, Edna = (1, 3) = **C**
2. Tanya, Camille = (1, 5) = **E**
3. Diane, Edna = (3, 3) = **N**
4. Opal, Pauline = (4, 4) = **T**
5. Pauline, Arlene = (4, 2) = **R**
6. Tanya, Tanya = (1, 1) = **A**
7. Diane, Tanya = (3, 1) = **L**

The letters, read from top to bottom, form the word **CENTRAL**.