

Homework: due in Wednesday 16th January 2019

Air Hotel 3000



It is the year 3000, and the new 'Air Hotel 3000' is embarking on its maiden trip! You are working as a journalist and have the exciting job of writing a newspaper article reporting on its first outing.

Consider the following questions:

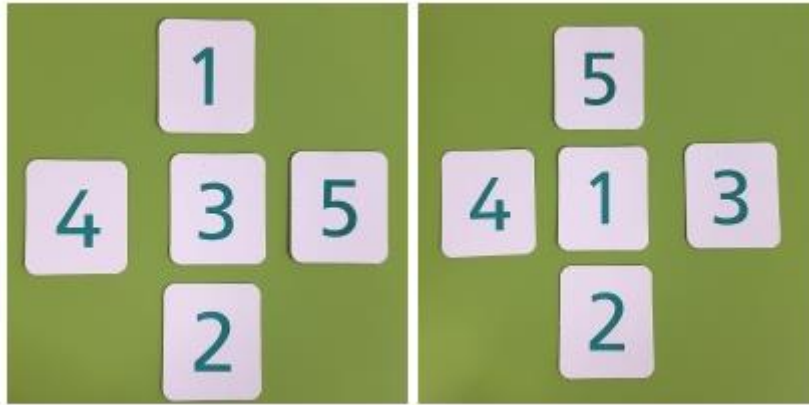
- What features do you think this new type of hotel has?
- How is it similar/different to hotels/holidays we go on today?
- How many people do you think can travel on the Air Hotel 3000?
- Where do you think it might be heading on its voyage?
- Who is flying it? How is it controlled?
- How do you think the hotel is powered?
- How do you think it lands?

Don't forget to include the following:

- a catchy headline
- an opening paragraph that is filled with information for the reader (who, what, where, why, when)
- paragraphs that (with information that becomes less important towards the end of the article)
- quotes (e.g. from some of the passengers on board / the 'pilot')
- rhetorical questions

Magic Crosses

Here are pictures of two crosses:



What do you notice about the two crosses?
What is the same?
What is different?

Both crosses use the digits 1, 2, 3, 4, and 5.
The left cross has a horizontal total of 12 and a vertical total of 6.
The right cross has a horizontal total of 8 and a vertical total of 8.

We call the cross on the right a *magic cross*, because its horizontal total is equal to its vertical total.

Can you find any more magic crosses using the digits 1, 2, 3, 4 and 5?
Can you find all the possibilities?

Can you convince yourself you have found them all?