

- 27** Kim works at an airport in the UK.
She records the number of planes landing between 10 am and 2 pm each day.
The table shows the data for the first 10 days in January.

Day	1	2	3	4	5	6	7	8	9	10
Number of planes	148	151	147	155	153	147	155	102	151	154

- 27 (a)** The airport was affected by fog on one of the days.
Which day do you think it was?
Give a reason for your answer.



[1 mark]

Day _____

Reason _____

- 27 (b)** Kim uses the data to predict how many planes will land at the airport in a year.
In her method, she
 uses an estimate of 150 planes in each 4-hour period throughout the day
 assumes the same number of planes each day.

Work out her prediction.

[3 marks]

Answer _____



27 (c)

In fact,

fewer planes land in winter than in summer

fewer planes land at night than during the day.

What does this tell you about Kim's prediction?

Tick **one** box.

Her prediction is too low

Her prediction is too high

Her prediction could be too low or too high

Give a reason for your answer.

[2 marks]

Turn over for the next question**Turn over ►**