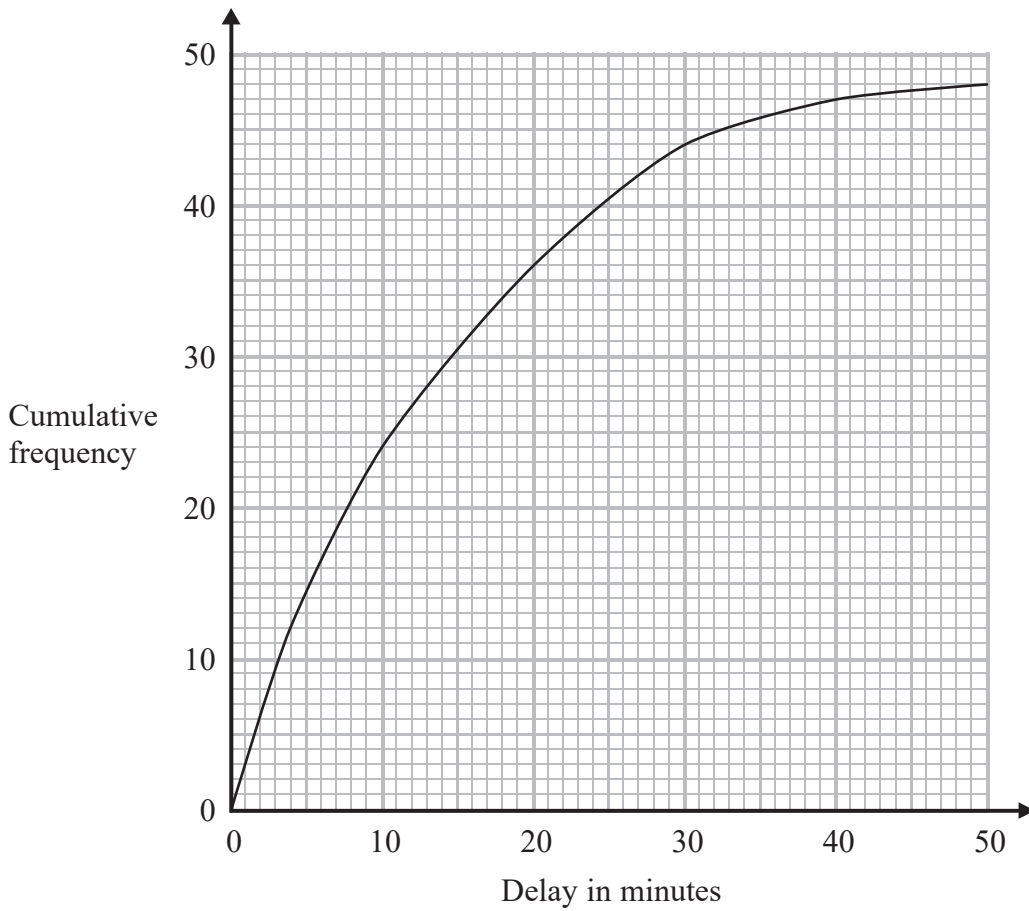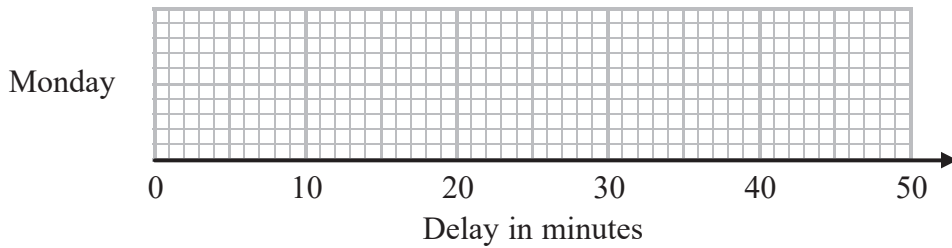**9** The times that 48 trains left a station on Monday were recorded.

The cumulative frequency graph gives information about the numbers of minutes the trains were delayed, correct to the nearest minute.
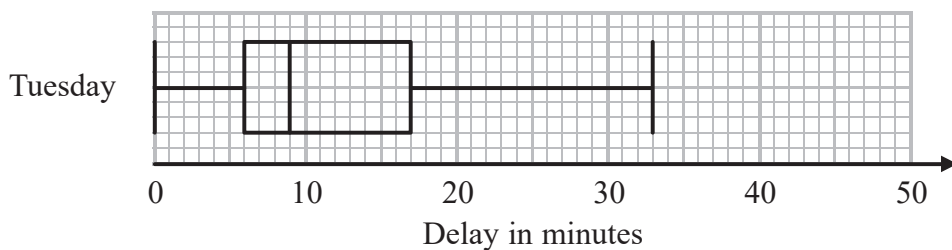
AP9A

The shortest delay was 0 minutes.
The longest delay was 42 minutes.

(a) On the grid below, draw a box plot for the information about the delays on Monday.

(3)

48 trains left the station on Tuesday.
The box plot below gives information about the delays on Tuesday.

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(b) Compare the distribution of the delays on Monday with the distribution of the delays on Tuesday.

....

....

....

....

(2)

Mary says,

"The longest delay on Tuesday was 33 minutes.
 This means that there must be some delays of between 25 minutes and 30 minutes."

(c) Is Mary right?
   You must give a reason for your answer.

....

....

(1)

(Total for Question 9 is 6 marks)

10 (a) Simplify $\dfrac{x-1}{5(x-1)^2}$

....

(1)

(b) Factorise fully $50 - 2y^2$

....

(2)

(Total for Question 10 is 3 marks)