

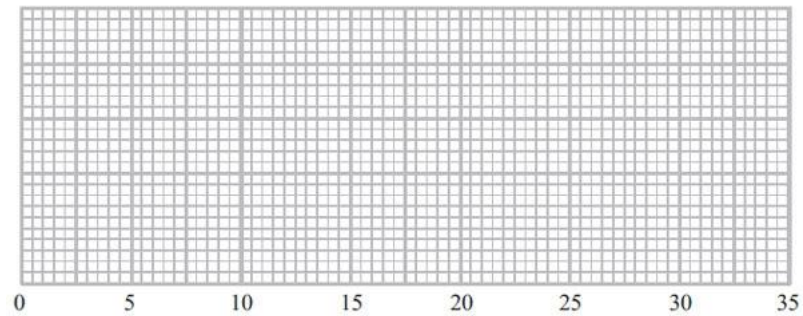
**Questions**

**Q1.**

The table below shows information about the times, in minutes, a group of students took to answer 10 maths questions.

	Least	Lower quartile	Median	Upper quartile	Greatest
Time in minutes	14	18	20	25	30

On the grid below, draw a box plot to show the information in the table.

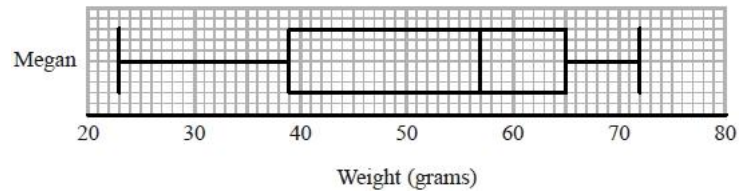


**(Total for Question is 3 marks)**

**Q2.**

Megan grows potatoes.

The box plot below shows information about the weights of Megan's potatoes.



Megan says that half of her potatoes weigh less than 50 grams each.

(a) Is Megan correct?

Give a reason for your answer.

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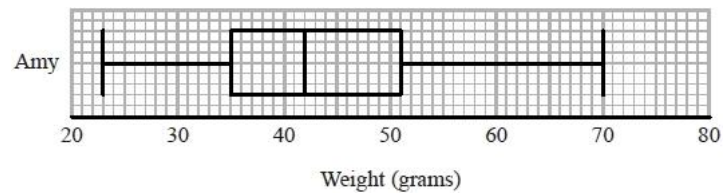
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(1)

Amy also grows potatoes.

The box plot below shows information about the weights of Amy's potatoes.



(b) Compare the distribution of the weights of Megan's potatoes with the distribution of the weights of Amy's potatoes.

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(2)

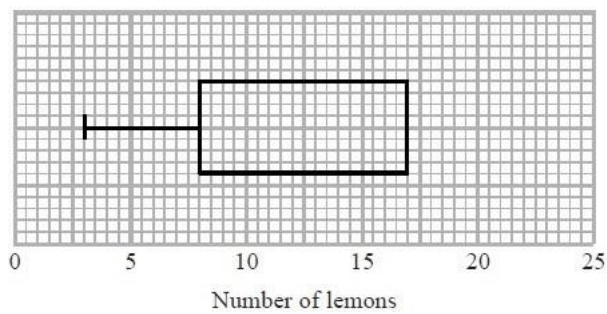
**(Total for question = 3 marks)**

**Q3.**

Presta recorded the number of lemons on each of 60 lemon trees.

The incomplete table and box plot give information about her results.

	Number of lemons
Smallest number	
Lower quartile	8
Median	11
Upper quartile	
Greatest number	22



(a) (i) Use the information in the table to complete the box plot.

(ii) Use the information in the box plot to complete the table.

(3)

Some of these 60 lemon trees have 8 or more lemons on them.

(b) Find an estimate for the number of lemon trees with 8 or more lemons on them.

(2)

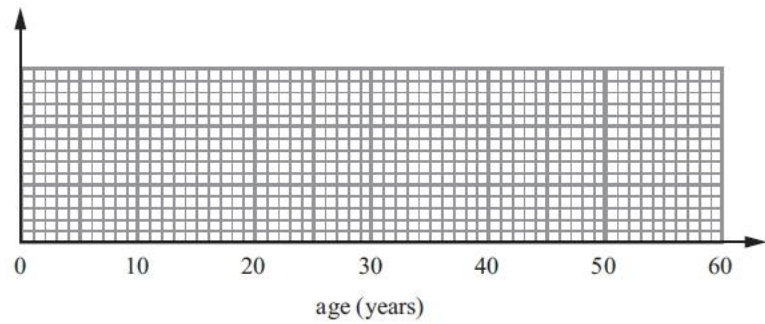
(Total for Question is 5 marks)

**Q4.**

Here are the ages, in years, of 15 women at West Ribble Tennis Club.

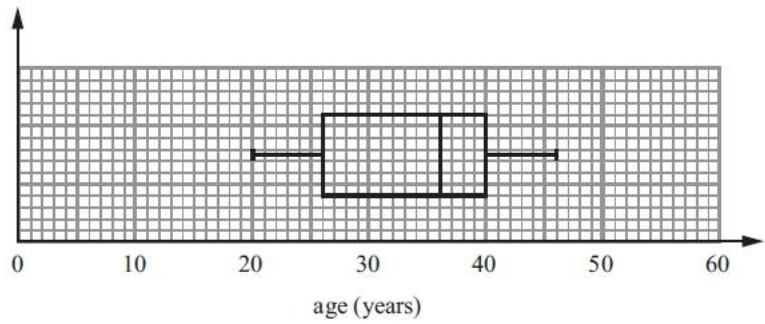
16, 18, 18, 20, 25, 25, 27, 28, 30, 35, 38, 42, 45, 46, 50

(a) On the grid, draw a box plot for this information.



(3)

The box plot below shows the distribution of the ages of the men at West Ribble Tennis Club.



\*(b) Use the box plots to compare the distributions of the ages of these women and the distributions of the ages of these men.

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(2)

**(Total for Question is 5 marks)**

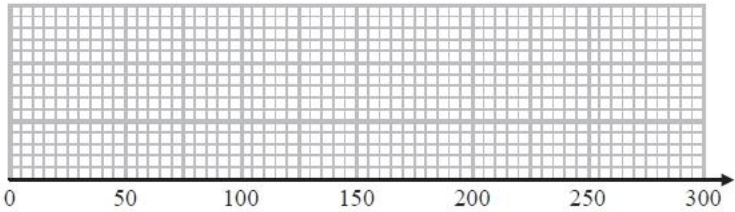
**Q5.**

The students in a class kept a record of the amount of time, in minutes, they spent doing homework last week.

The table shows information about the amount of time the girls spent doing homework last week.

	Minutes
Least amount of time	60
Range	230
Median	170
Lower quartile	100
Upper quartile	220

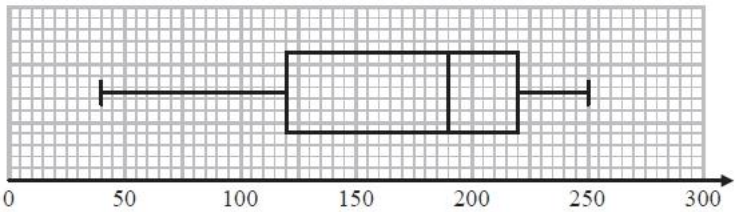
(a) On the grid, draw a box plot for the information in the table.



Amount of time (minutes)

(2)

The box plot below shows information about the amount of time the boys spent doing homework last week.



Amount of time (minutes)

(b) Compare the amount of time the girls spent doing homework with the amount of time the boys spent doing homework.

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(2)

(Total for Question is 4 marks)