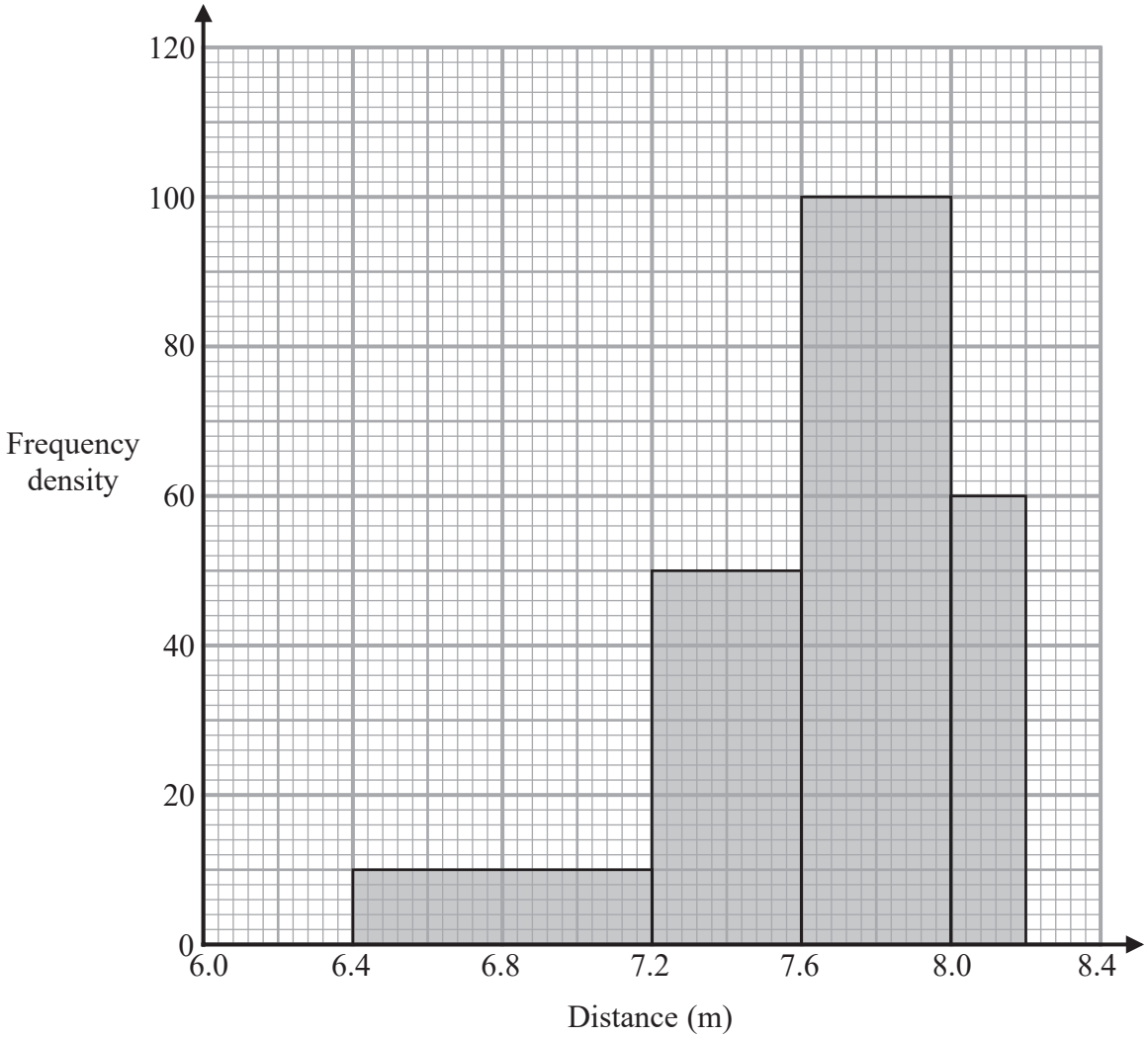
1 The histogram gives information about the distances 80 competitors jumped in a long jump competition.



Calculate an estimate for the mean distance.

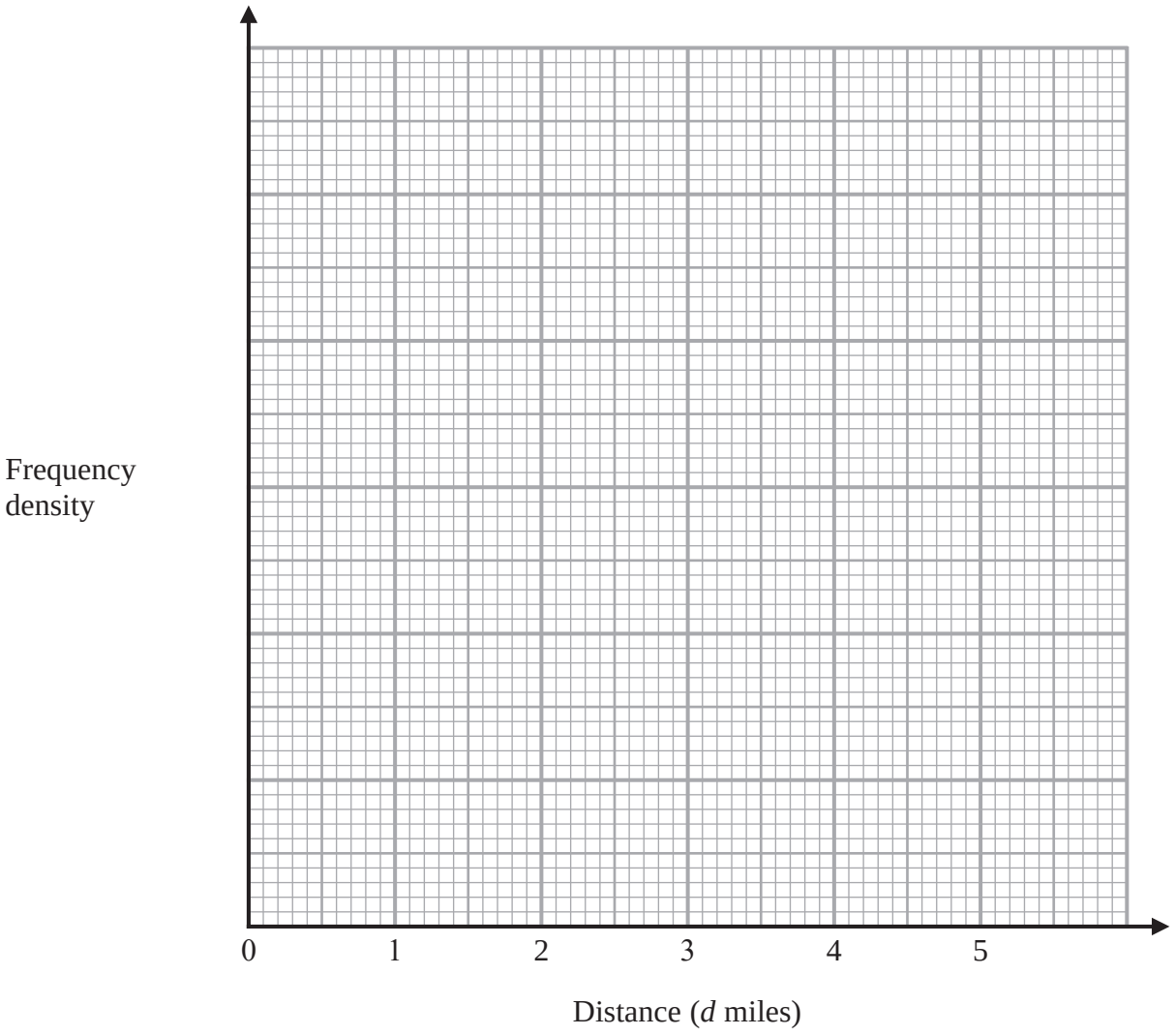
..... m

(Total for Question 1 is 4 marks)

2 The table gives information about the distances, in miles, that some Year 10 students live from school.

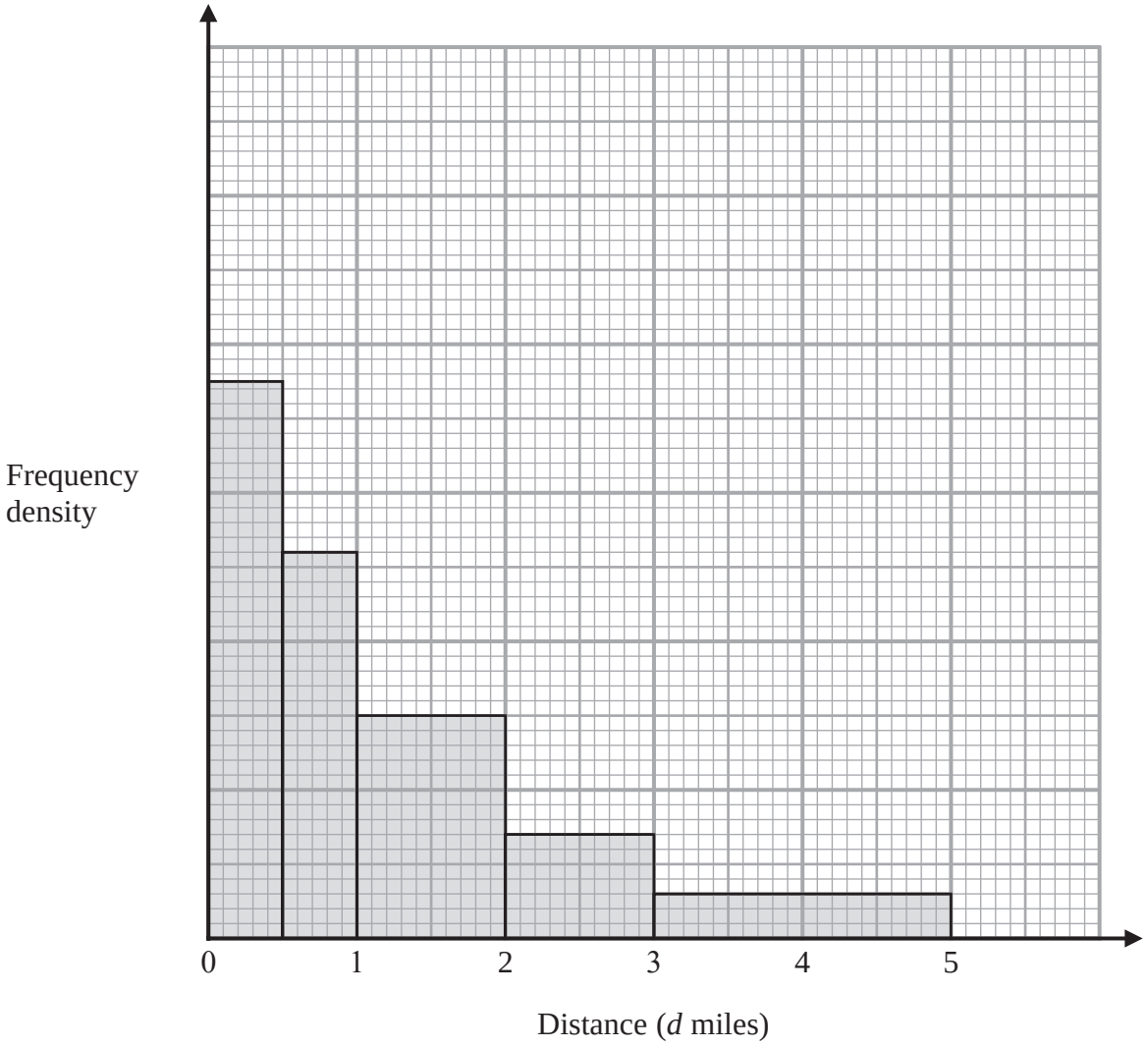
Distance (d miles)	**Frequency**
$0 < d \leqslant 1.0$	90
$1.0 < d \leqslant 1.5$	48
$1.5 < d \leqslant 2.0$	22
$2.0 < d \leqslant 3.0$	8
$3.0 < d \leqslant 5.0$	12

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



(3)

The histogram below shows information about the distances, in miles, that some Year 11 students live from school.



The number of Year 11 students who live between 1 and 2 miles from school is n.

(b) Find an expression, in terms of n, for the number of Year 11 students who live between 3 and 5 miles from school.

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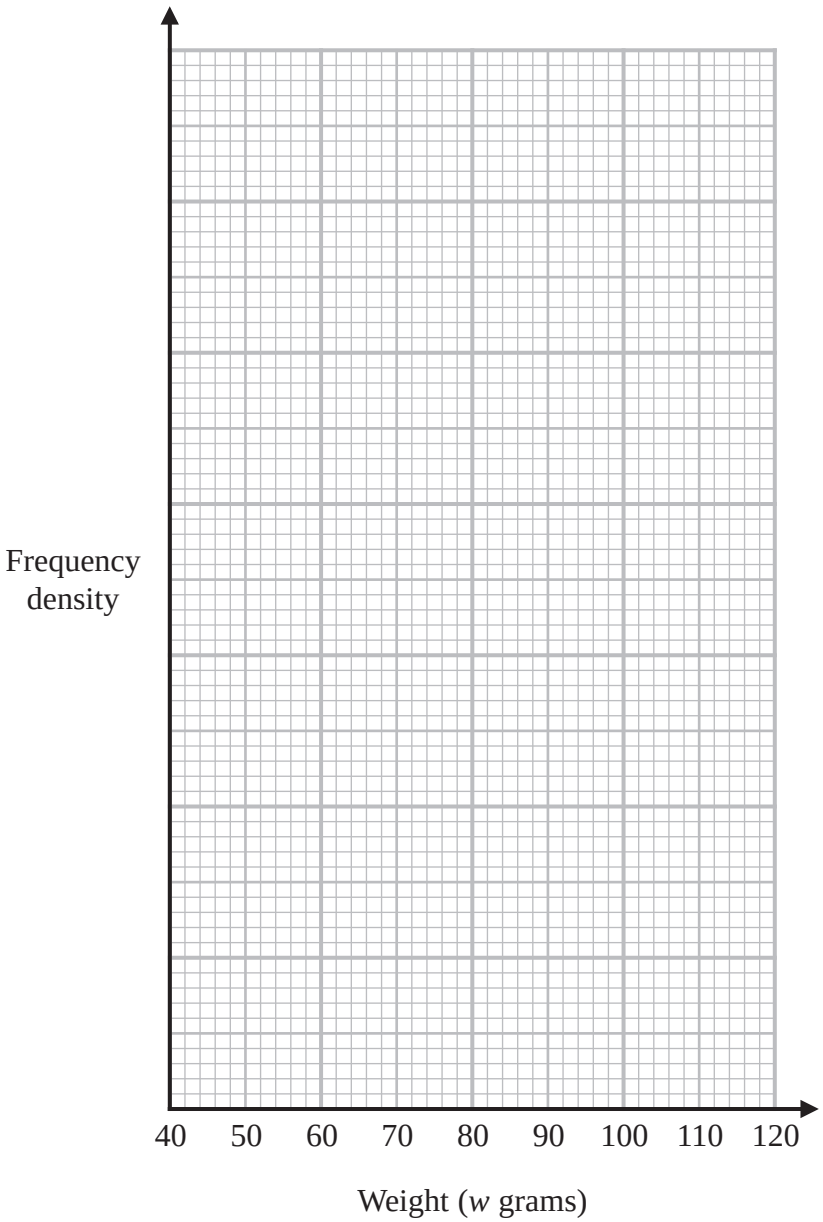
(2)

(Total for Question 2 is 5 marks)

3 The table shows information about the weights, in grams, of some potatoes.

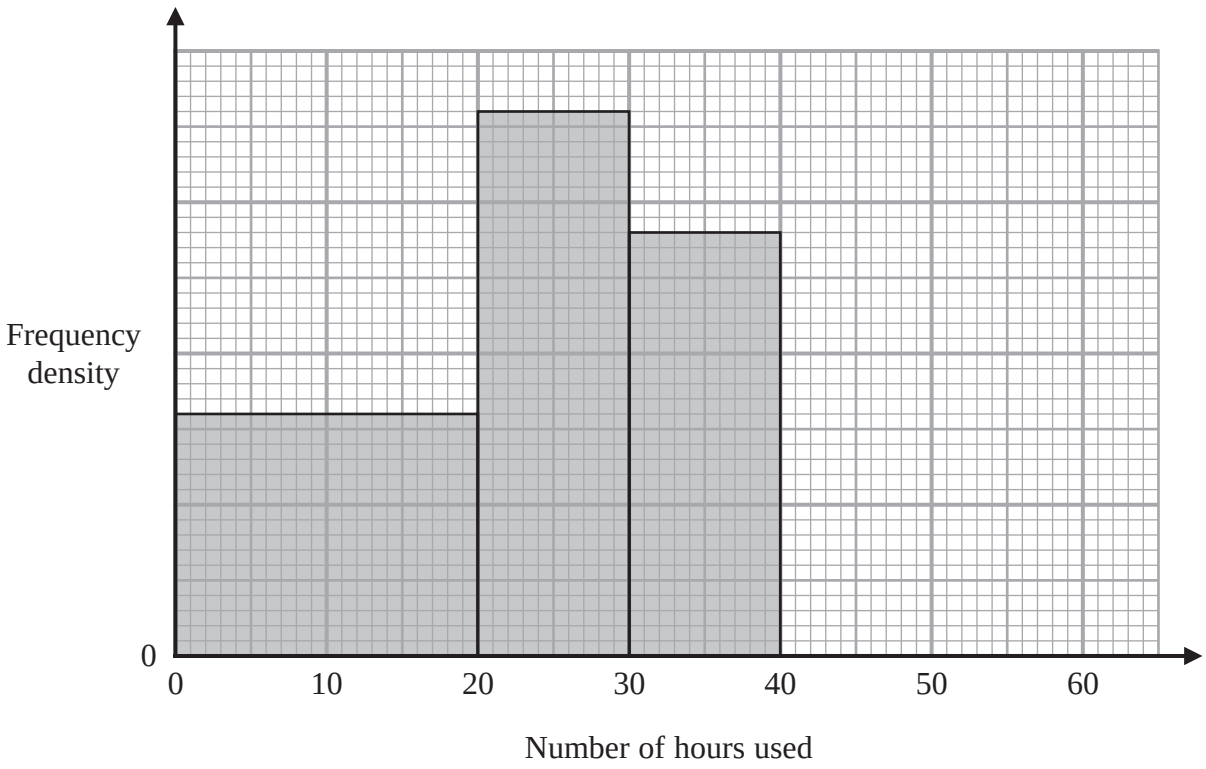
Weight (w grams)	**Number of potatoes**
$50 < w \leqslant 70$	20
$70 < w \leqslant 80$	50
$80 < w \leqslant 90$	60
$90 < w \leqslant 110$	30

On the grid, draw a histogram for this information.



(Total for Question 3 is 3 marks)

4 The histogram gives information about the number of hours some students used their phones last week.
The histogram is incomplete.



28 students used their phones for between 30 and 40 hours.
24 students used their phones for between 40 and 60 hours.

(a) Use this information to complete the histogram.

(2)

No student used their phone for more than 60 hours.

(b) Work out the total number of students.

.....

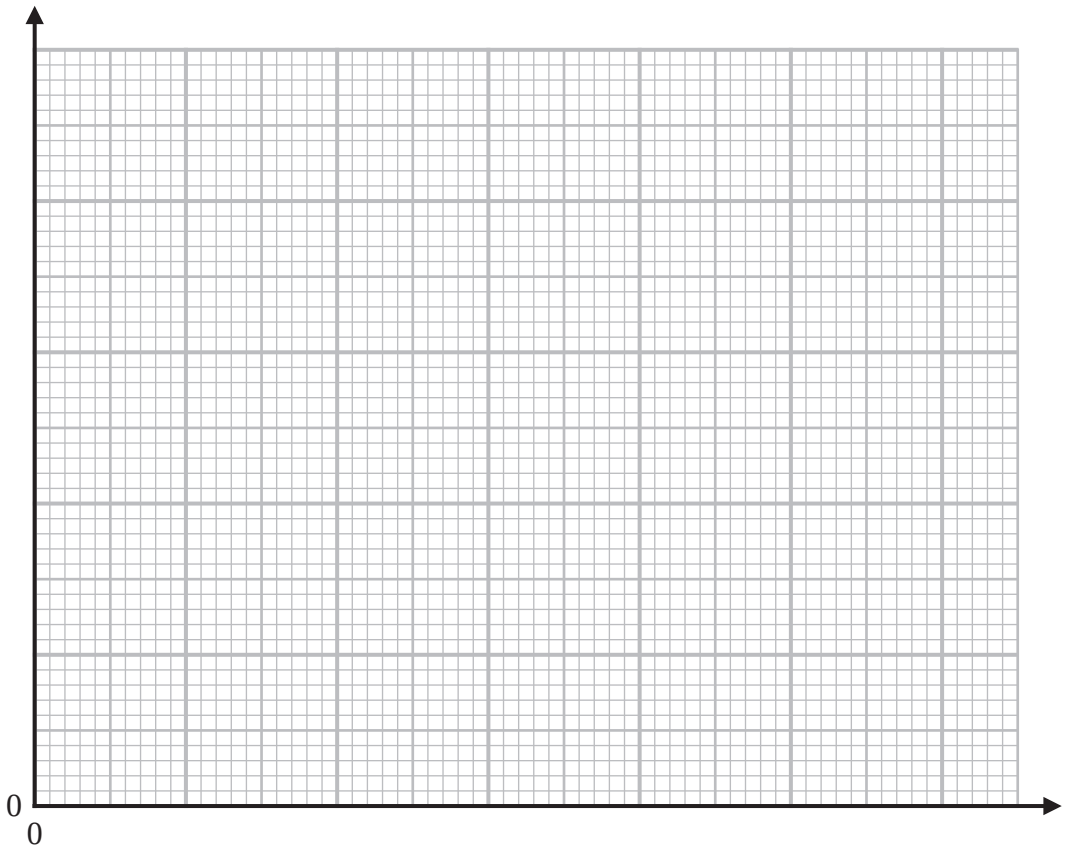
(2)

(Total for Question 4 is 4 marks)

5 The table gives information about the amount of time that each of 150 people were in a shop.

Time (t minutes)	**Frequency**
$0 < t \leqslant 10$	20
$10 < t \leqslant 30$	70
$30 < t \leqslant 35$	22
$35 < t \leqslant 50$	30
$50 < t \leqslant 60$	8

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



(3)

(b) Work out an estimate for the fraction of these 150 people who were in the shop for between 20 minutes and 40 minutes.

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(2)

(Total for Question 5 is 5 marks)