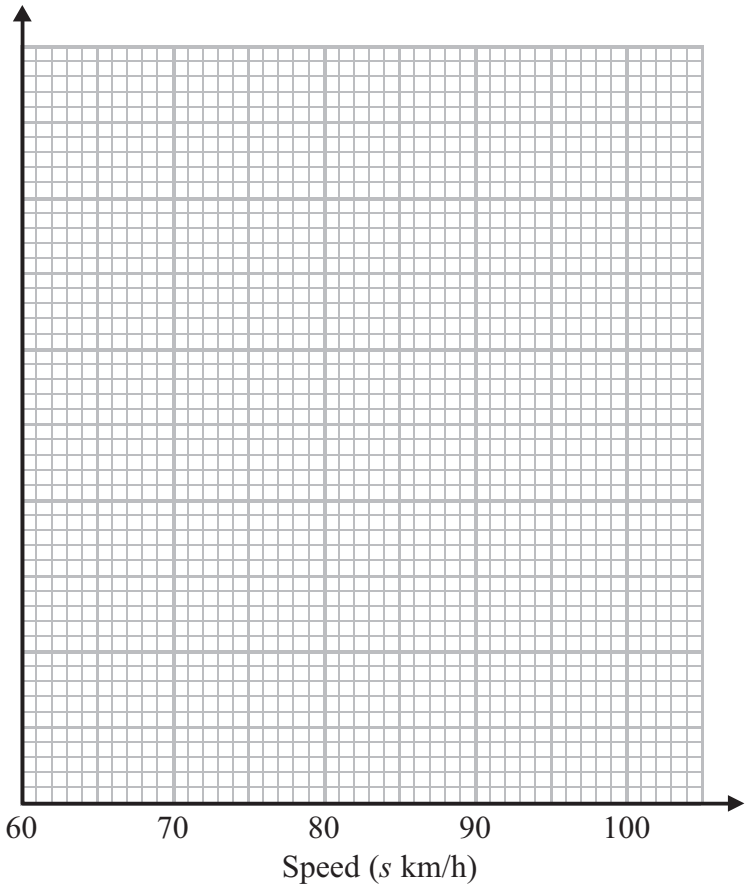
1 The table gives some information about the speeds, in km/h, of 100 cars.

Speed (s km/h)	Frequency
$60 < s \leqslant 65$	15
$65 < s \leqslant 70$	25
$70 < s \leqslant 80$	36
$80 < s \leqslant 100$	24

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



(3)

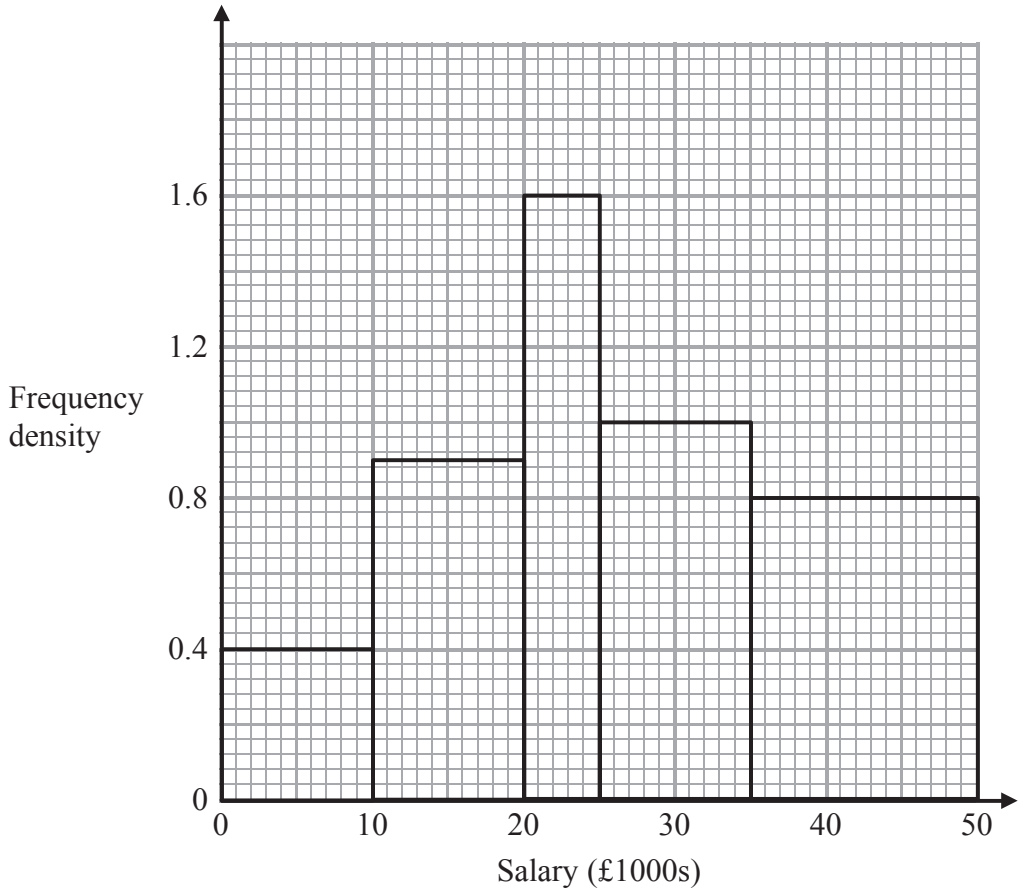
(b) Work out an estimate for the number of cars with a speed of more than 85 km/h.

.....

(2)

(Total for Question 1 is 5 marks)

2 The histogram shows some information about the salaries of a sample of people.



(a) Use the histogram to complete the frequency table.

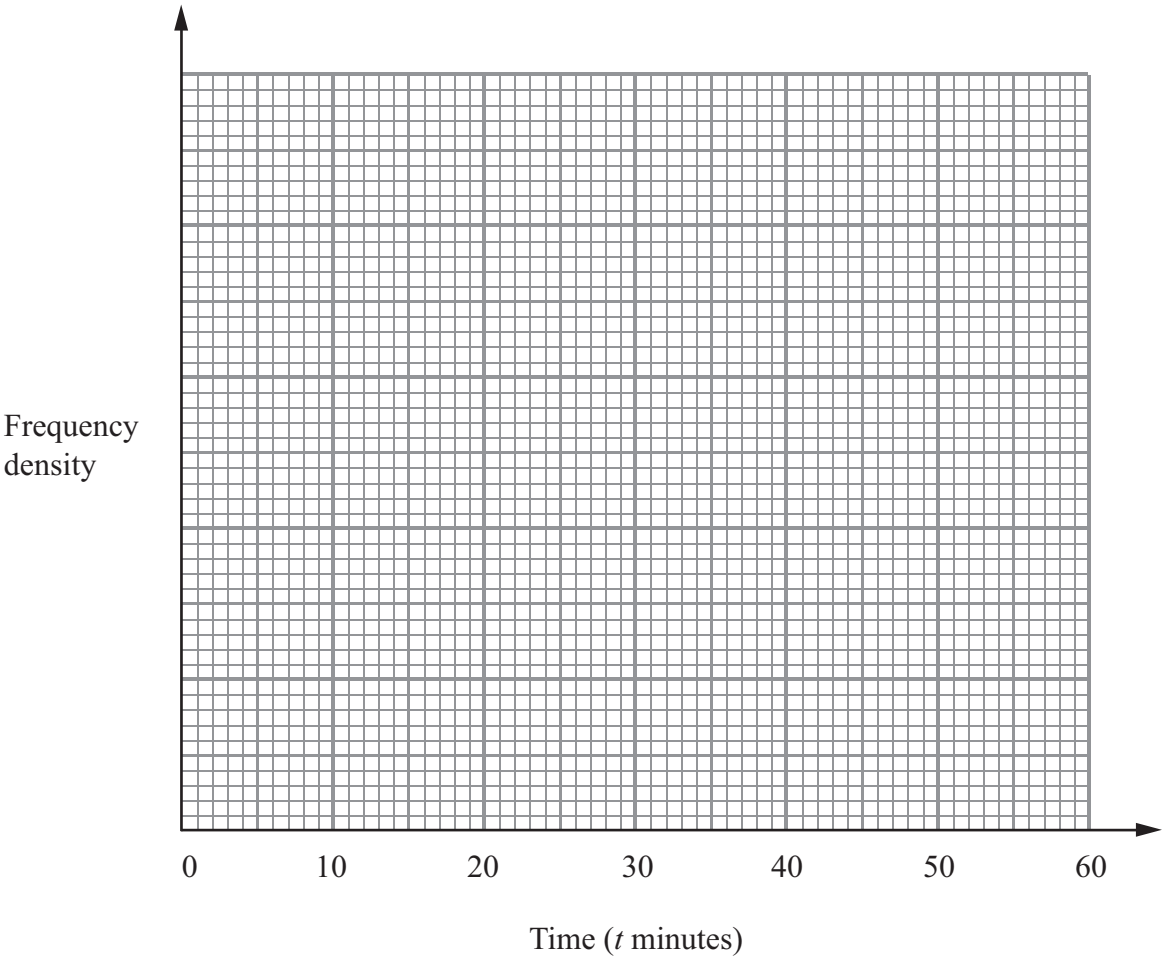
Salary (p) in £1000s	Frequency
$0 < p \leqslant 10$	4
$10 < p \leqslant 20$	
$20 < p \leqslant 25$	
$25 < p \leqslant 35$	
$35 < p \leqslant 50$	

(2)

3 The table shows information about the lengths of time, t minutes, it took some students to do their maths homework last week.

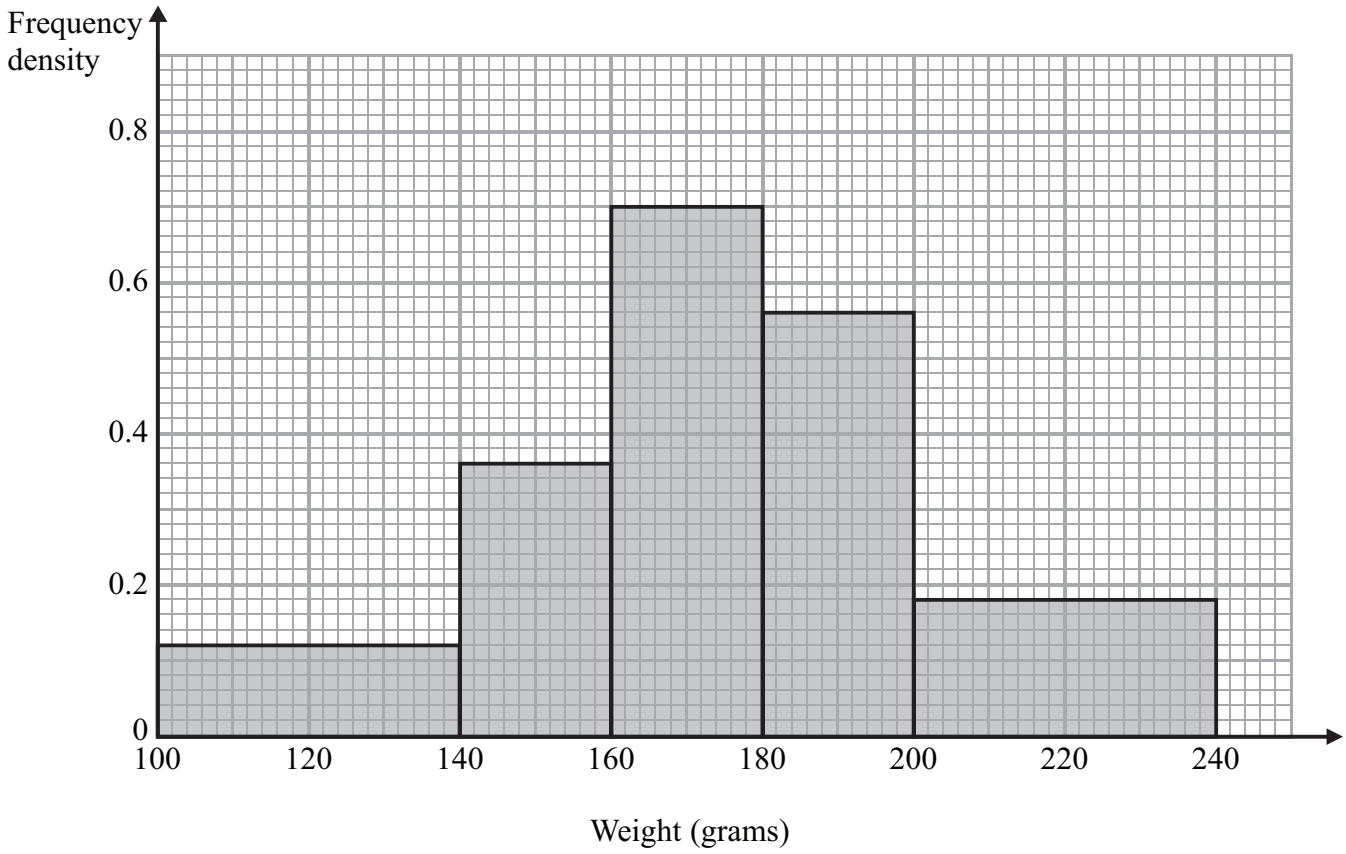
Time (t minutes)	Frequency
$0 < t \leqslant 10$	4
$10 < t \leqslant 15$	8
$15 < t \leqslant 20$	24
$20 < t \leqslant 30$	16
$30 < t \leqslant 50$	5

Draw a histogram for this information.



(Total 3 marks)

4 The histogram shows some information about the weights of a sample of apples.



Work out the proportion of apples in the sample with a weight between 140 grams and 200 grams.

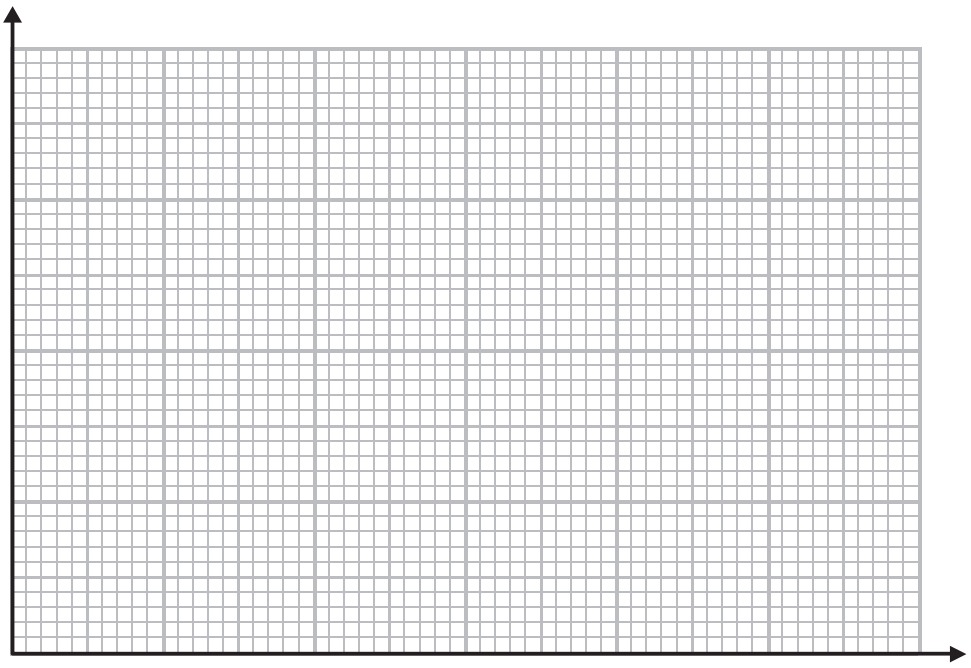
.....

(Total for Question 4 is 4 marks)

5 The table gives information about the heights, h metres, of trees in a wood.

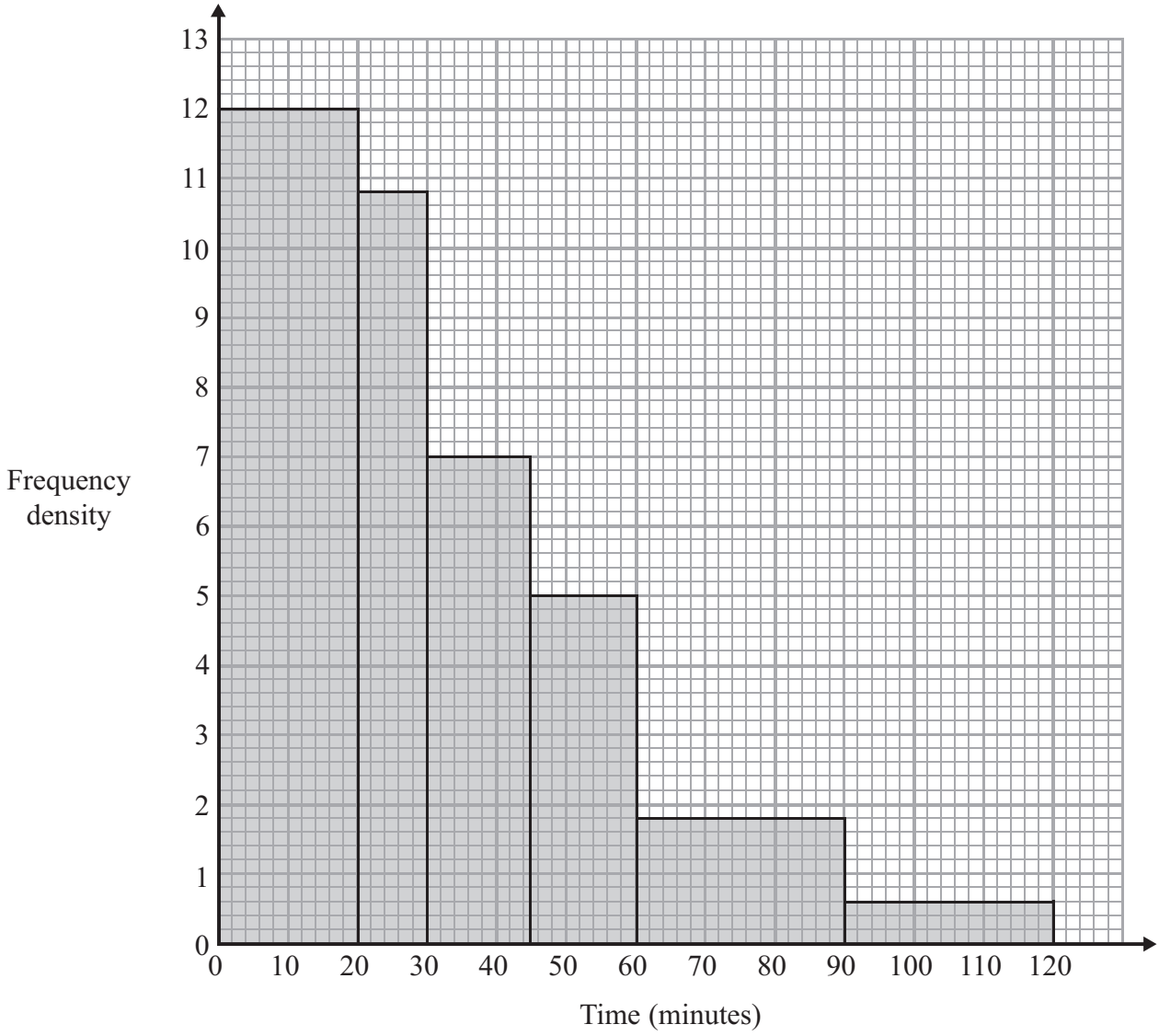
Height (h metres)	Frequency
$0 < h \leqslant 2$	7
$2 < h \leqslant 4$	14
$4 < h \leqslant 8$	18
$8 < h \leqslant 16$	24
$16 < h \leqslant 20$	10

Draw a histogram to show this information.



(Total for Question 5 is 3 marks)

6 The histogram shows information about the times, in minutes, that some passengers had to wait at an airport.



Work out the percentage of the passengers who had to wait for more than one hour.

.....

(Total for Question 6 is 3 marks)

7 The table gives some information about the lengths of time, in hours, that some adults watched TV last week.

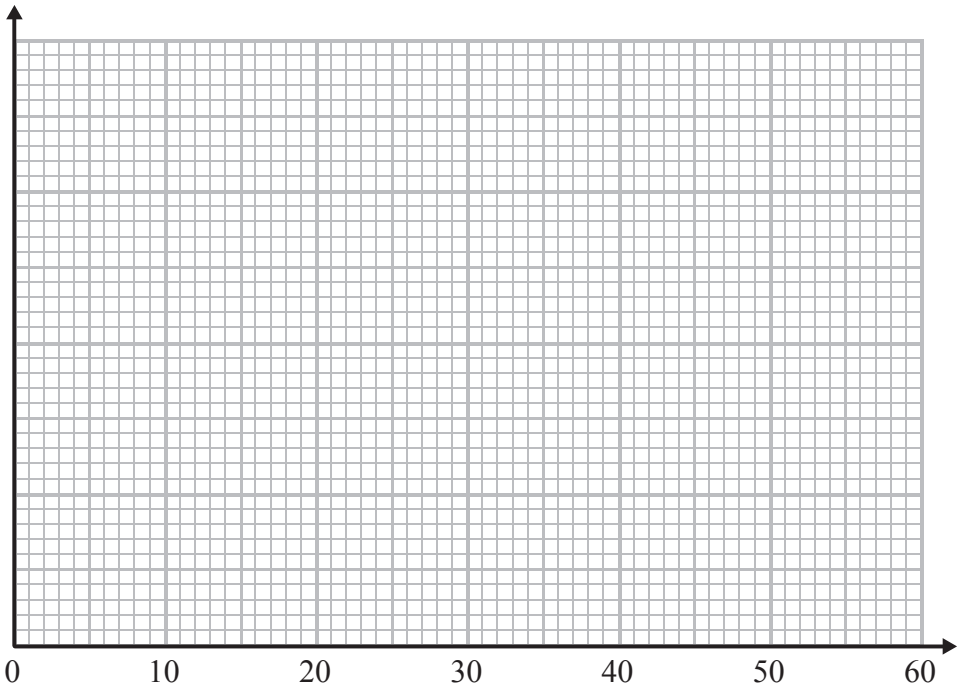
Length of time (t hours)	**Frequency**
$0 \leqslant t < 10$	8
$10 \leqslant t < 15$	15
$15 \leqslant t < 20$	11
$20 \leqslant t < 30$	10
$30 \leqslant t < 50$	6

(a) Work out an estimate for the mean length of time.

..... hours

(4)

(b) Draw a histogram for the information in the table.

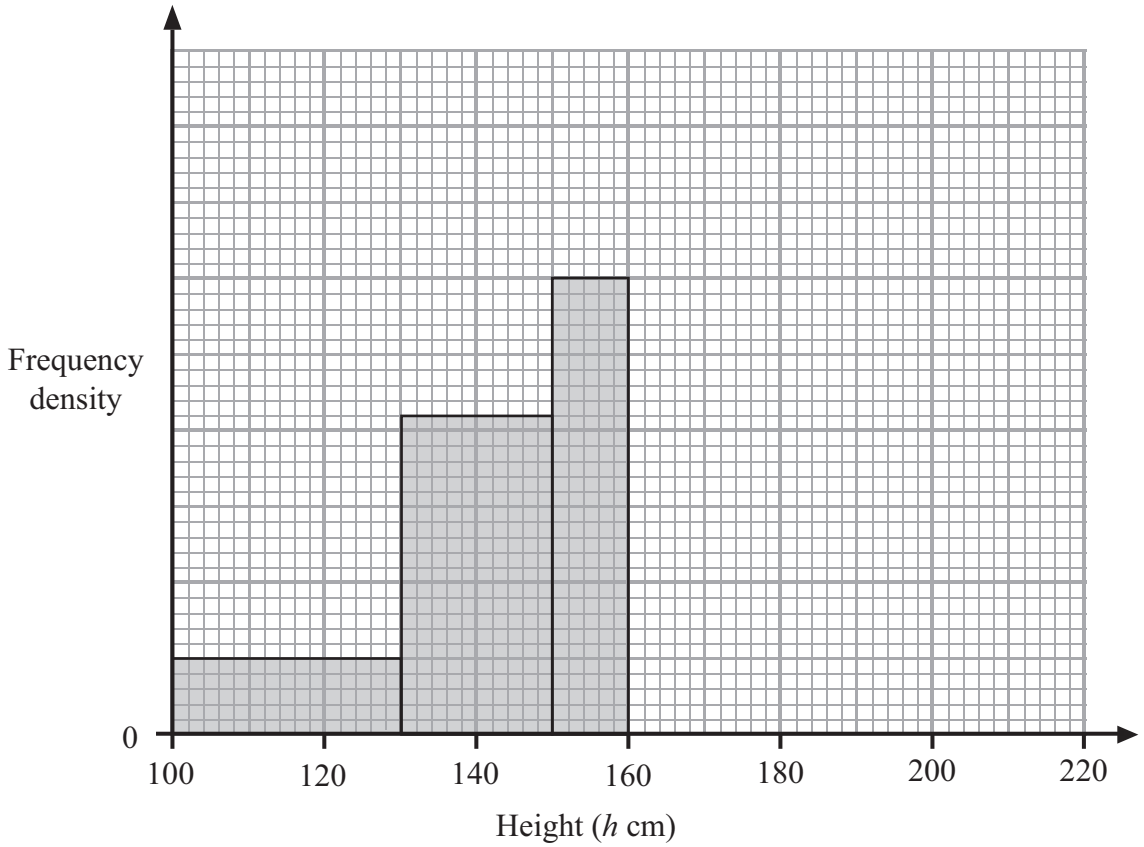


(3)

(Total for Question 7 is 7 marks)

8 The incomplete table and histogram give some information about the heights (in cm) of some sunflowers.

Height (h cm)	Frequency
$100 < h \leqslant 130$	30
$130 < h \leqslant 150$	
$150 < h \leqslant 160$	
$160 < h \leqslant 180$	40
$180 < h \leqslant 210$	18



(a) Use the histogram to complete the table.

(2)

(b) Use the table to complete the histogram.

(2)

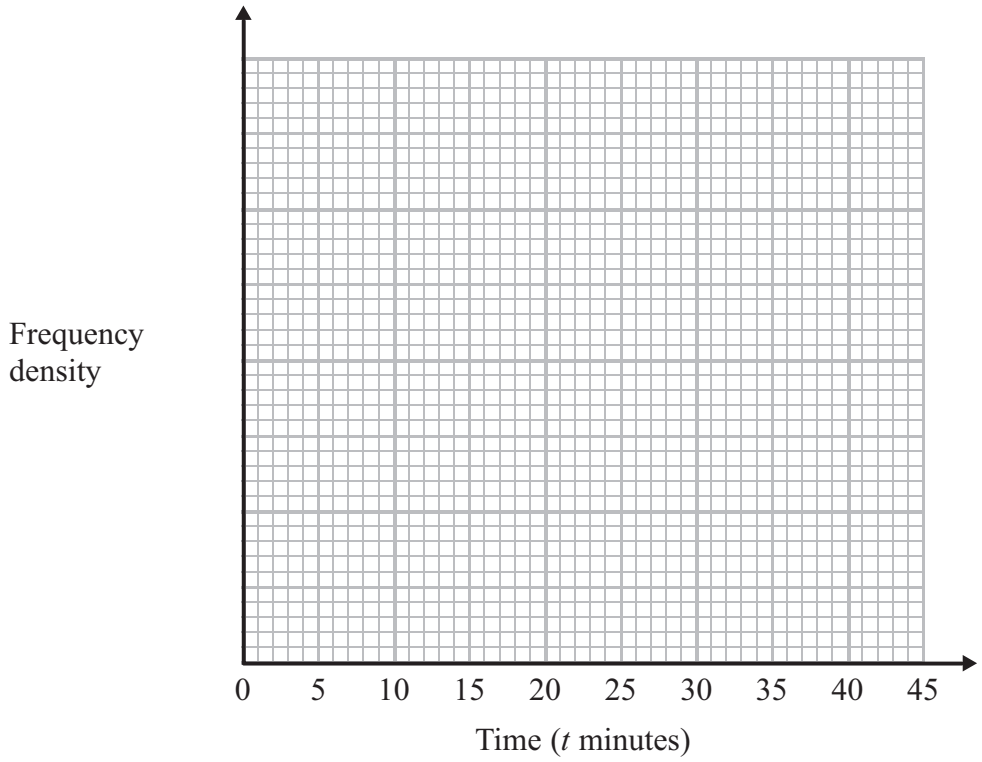
(Total 4 marks)

9 Bill works for a computer service centre.

The table shows some information about the length of time, t minutes, of the phone calls Bill had.

Time (t minutes)	$0 < t \leqslant 10$	$10 < t \leqslant 15$	$15 < t \leqslant 20$	$20 < t \leqslant 30$	$30 < t \leqslant 45$
Number of calls	12	15	13	18	3

On the grid, draw a histogram to show this information.

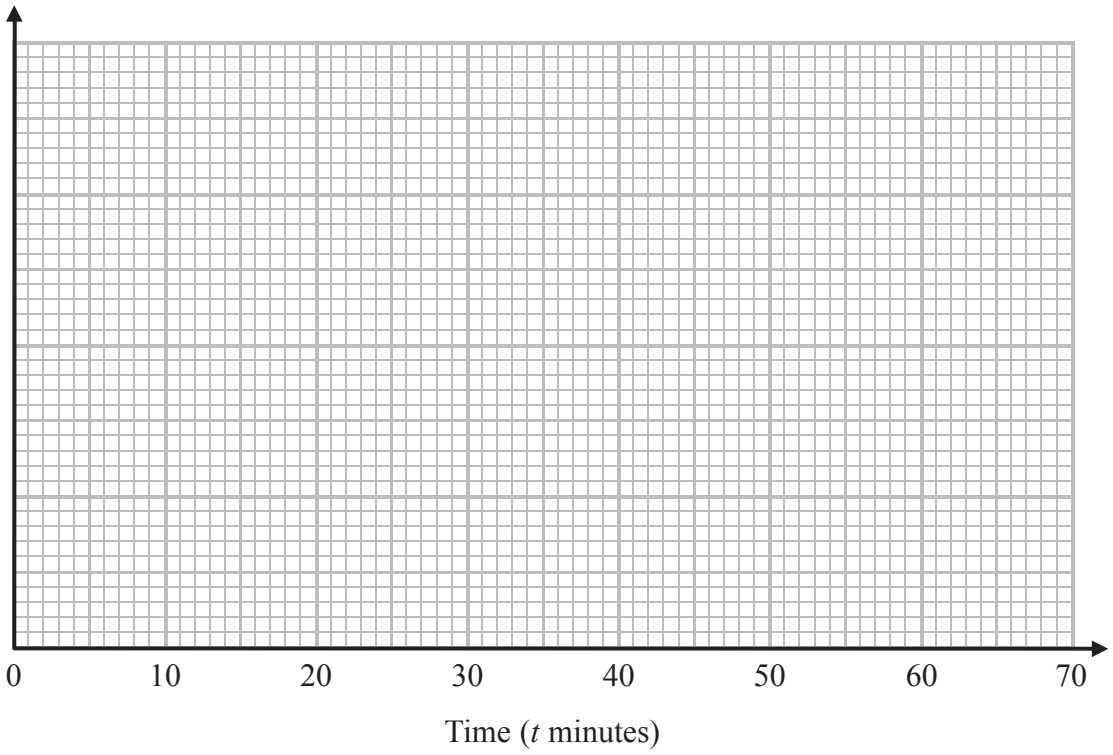


(Total for Question 9 is 3 marks)

10 The table gives information about the lengths of time some people were in a supermarket.

Time (t minutes)	Frequency
$0 < t \leqslant 5$	8
$5 < t \leqslant 15$	32
$15 < t \leqslant 30$	36
$30 < t \leqslant 40$	18
$40 < t \leqslant 60$	6

Draw a histogram for the information in the table.



(Total for Question 10 is 3 marks)