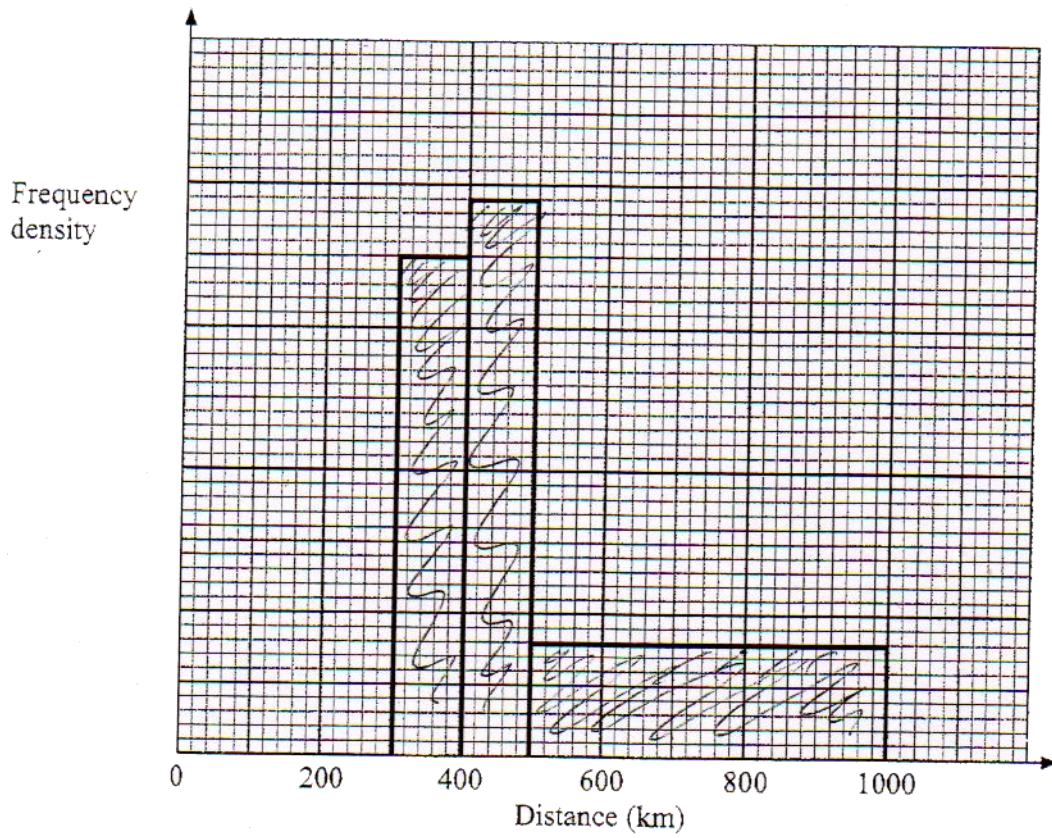


17. The incomplete table and histogram give some information about the distances walked by some students in a school in one year.



- (a) Use the information in the histogram to complete the frequency table.

Distance (d) in km	Frequency
$0 < d \leq 300$	210
$300 < d \leq 400$	350
$400 < d \leq 500$	
$500 < d \leq 1000$	

(2)

- (b) Use the information in the table to complete the histogram.

(1)

(Total 3 marks)

21. The incomplete histogram and table show information about the weights of some containers.

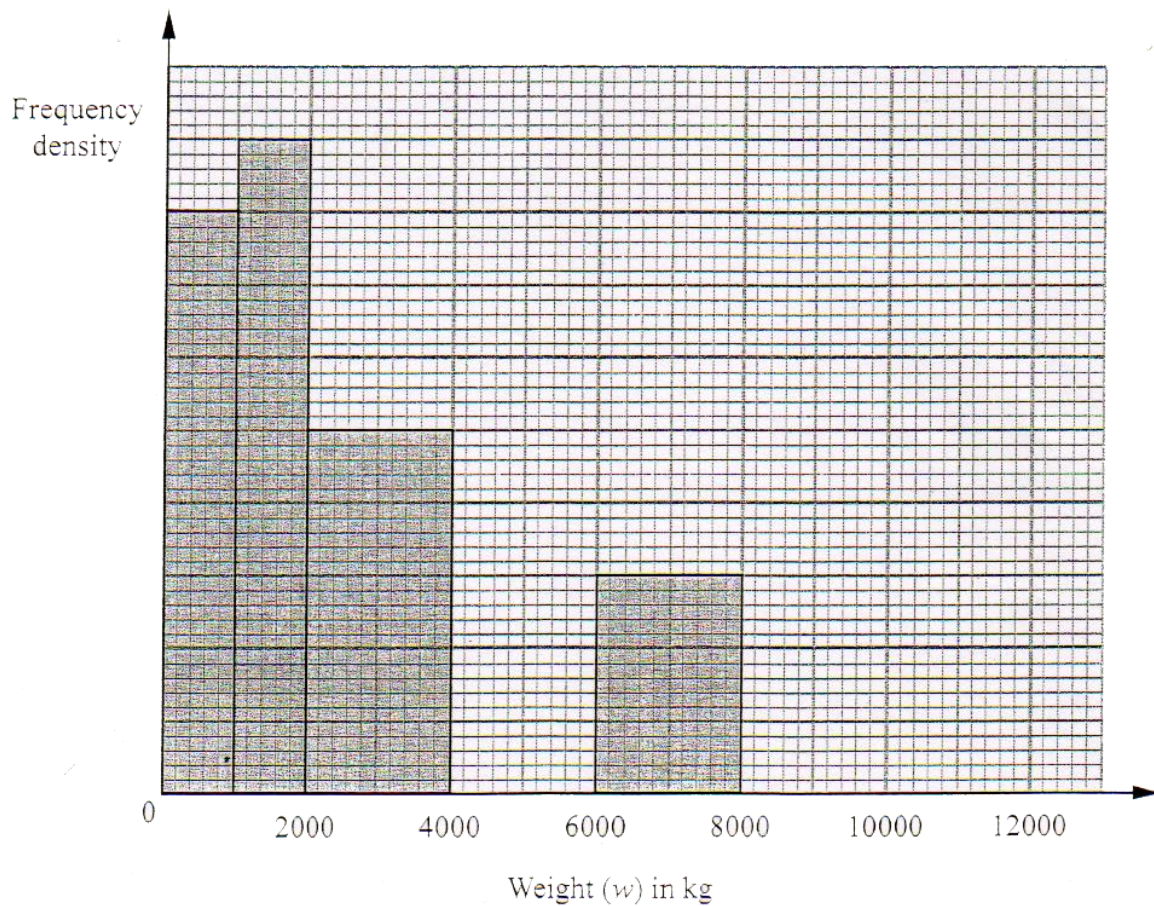
Weight (w) in kg	Frequency
$0 < w \leq 1000$	16
$1000 < w \leq 2000$	
$2000 < w \leq 4000$	
$4000 < w \leq 6000$	16
$6000 < w \leq 8000$	
$8000 < w \leq 12000$	8

- (a) Use the information in the histogram to complete the table.

(2)

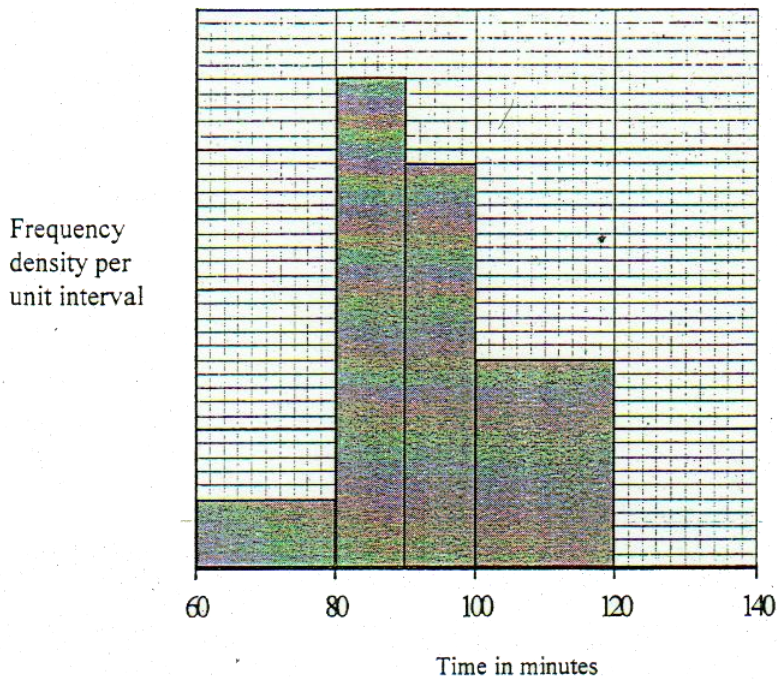
- (b) Use the information in the table to complete the histogram.

(2)



(Total 4 marks)

21. Leon recorded the lengths, in minutes, of the films shown on television in one week. His results are shown in the histogram.



20 films had length from 60 minutes up to, but not including, 80 minutes.

- (a) Use the information in the histogram to complete the table.

Length in minutes (m)	Frequency
$60 \leq m < 80$	20
$80 \leq m < 90$	
$90 \leq m < 100$	
$100 \leq m \leq 120$	

(2)

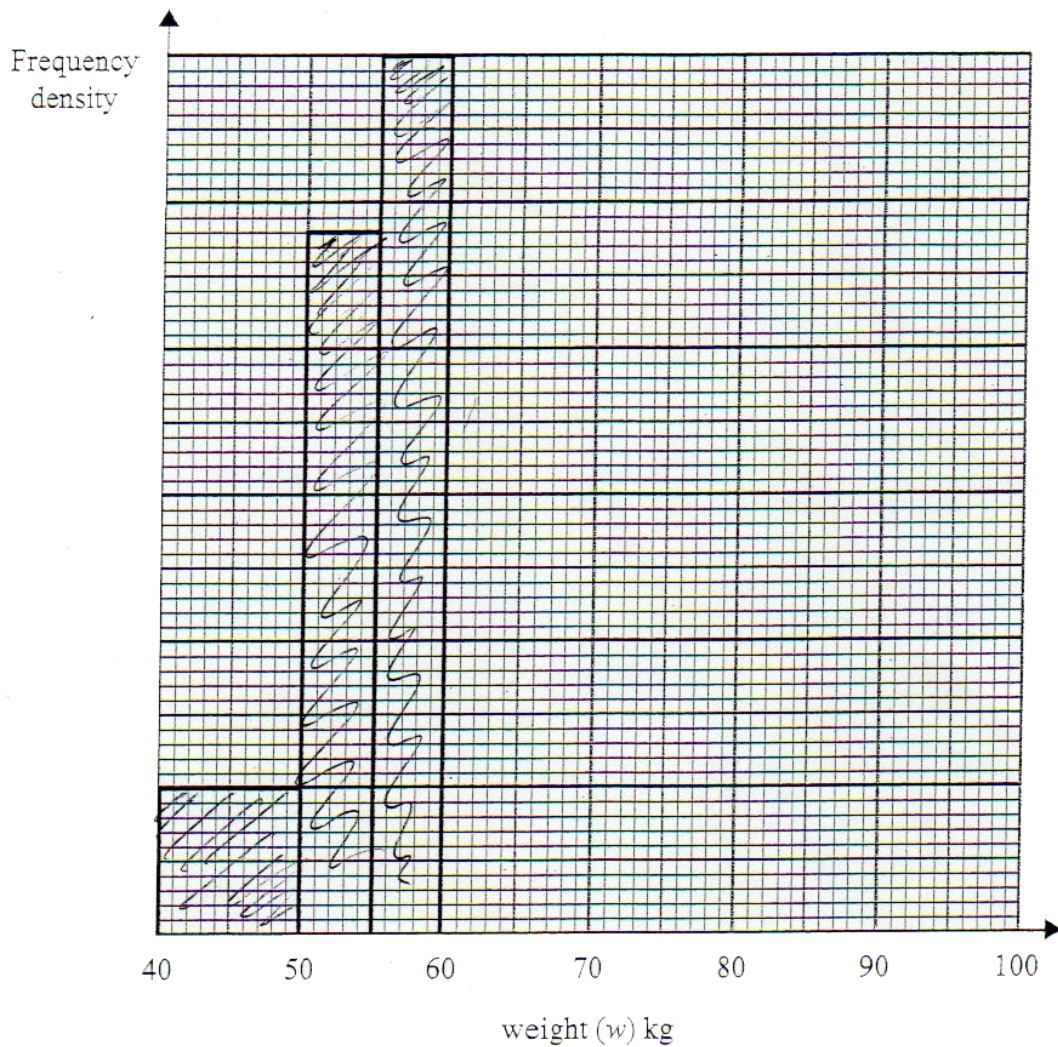
Leon also recorded the lengths, in minutes, of all the films shown on television the following week. His results are given in the table below.

Length in minutes (m)	Frequency	Height
$60 \leq m < 100$	72	36
$100 \leq m < 160$	x	

- (b) Complete the table giving your answers in terms of x .

(2)
(Total 4 marks)

22. The incomplete table and histogram give some information about the weights of people at a keep-fit session.



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

Weight (w) kg	Frequency
$40 \leq w < 50$	10
$50 \leq w < 55$	
$55 \leq w < 60$	
$60 \leq w < 75$	15
$75 \leq w < 95$	8

(2)

(b) Complete the histogram.

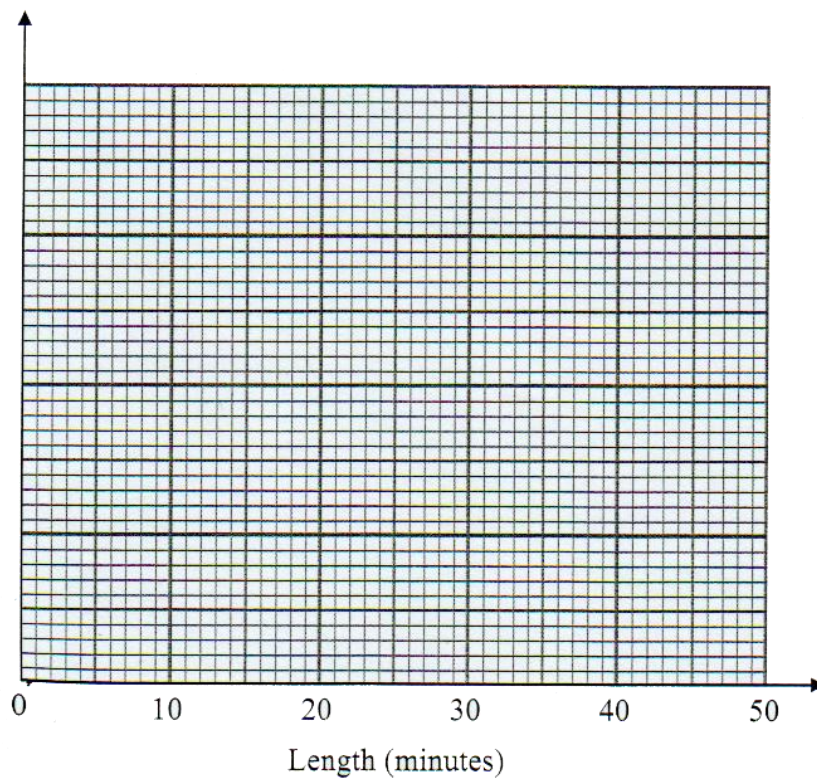
(2)

(Total 4 marks)

22. A call centre receives 64 telephone calls one morning.
The table gives information about the lengths, in minutes, of these telephone calls.

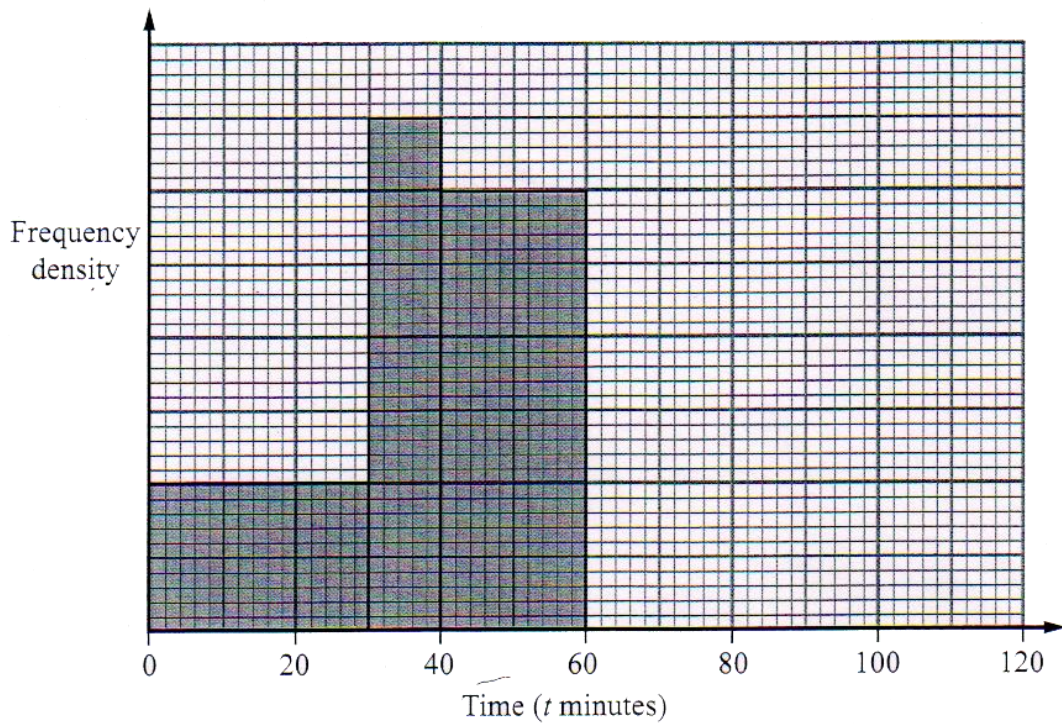
Length (x) minutes	Frequency
$0 < x \leq 5$	4
$5 < x \leq 15$	10
$15 < x \leq 30$	24
$30 < x \leq 40$	20
$40 < x \leq 45$	6

Draw a histogram for this information.



(Total 4 marks)

27. The incomplete histogram and table give some information about the times, in minutes, that cars were parked in a car park.



- (a) Use the information in the histogram to complete the frequency table.

Time (t minutes)	Frequency
$0 < t \leq 30$	
$30 < t \leq 40$	35
$40 < t \leq 60$	
$60 < t \leq 80$	30
$80 < t \leq 120$	20

(2)

- (b) Use the information in the table to complete the histogram.

(2)

(Total 4 marks)

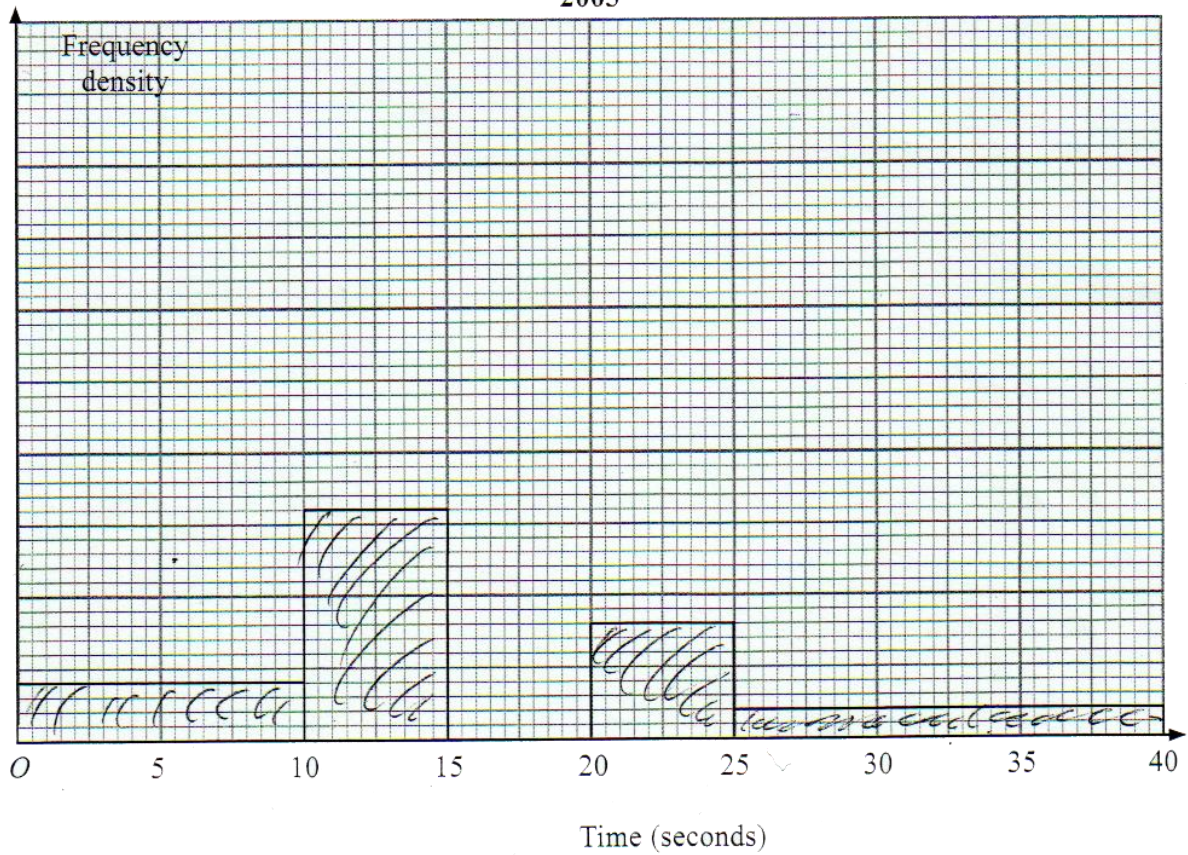
19. The table and histogram show information about the length of time it took 165 adults to connect to the internet.

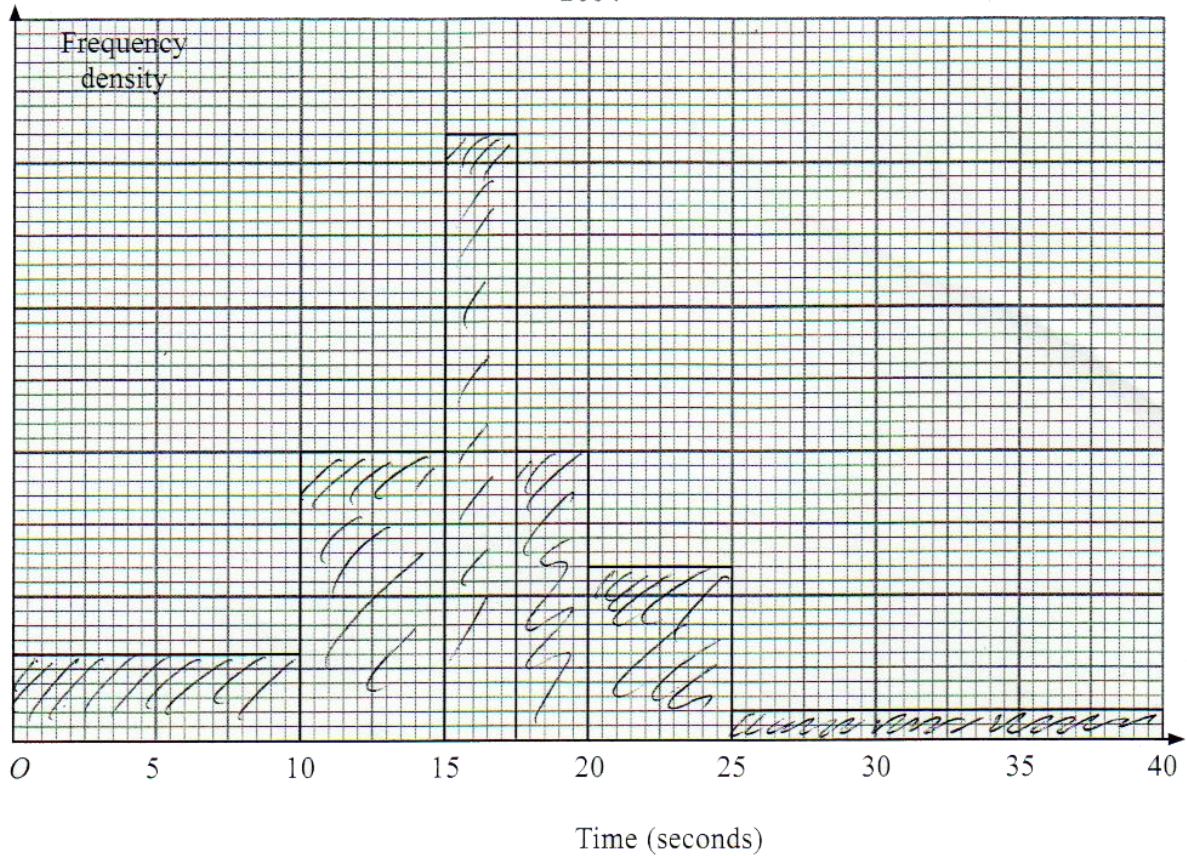
Time (t seconds)	Frequency
$0 < t \leq 10$	20
$10 < t \leq 15$	
$15 < t \leq 17.5$	30
$17.5 < t \leq 20$	40
$20 < t \leq 25$	
$25 < t \leq 40$	

None of the adults took more than 40 seconds to connect to the internet.

- (a) Use the table to complete the histogram. (2)
- (b) Use the histogram to complete the table. (2)

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The histogram shows information about the time it took some children to connect to the internet.

None of the children took more than 40 seconds to connect to the internet.

110 children took up to 12.5 seconds to connect to the internet.

- (c) Work out an estimate for the number of children who took 21 seconds or more to connect to the internet.

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(3)

(Total 7 marks)