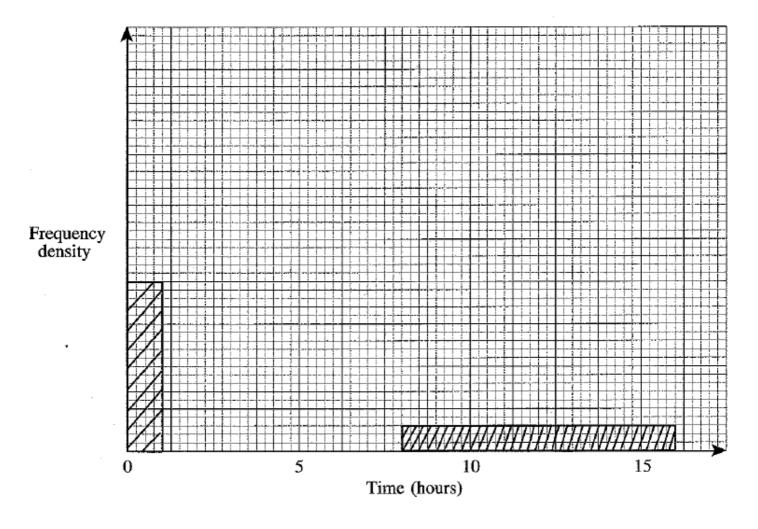
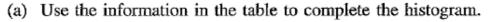
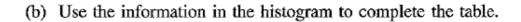
17. The unfinished table and histogram show information about the time, in hours, for which cars were parked in a short stay airport car park.

Time (t hours)	Frequency
$0 < t \leq 1$	20
$1 < t \leq 2$	28
$2 < t \leq 4$	34
$4 < t \leq 8$	52
$8 < t \le 16$	





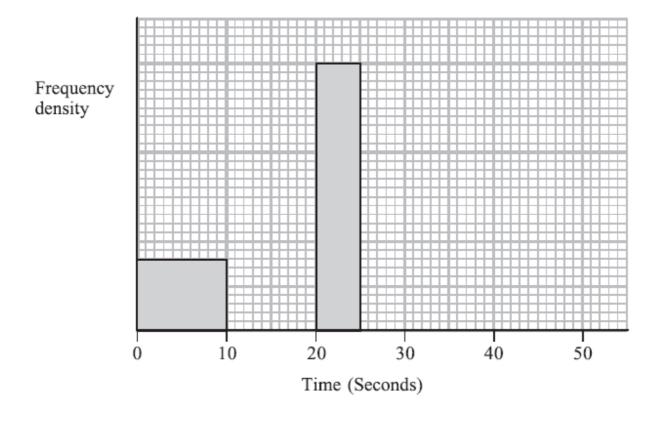


(3) (1) One Monday, Victoria measured the time, in seconds, that individual birds spent on her bird table.

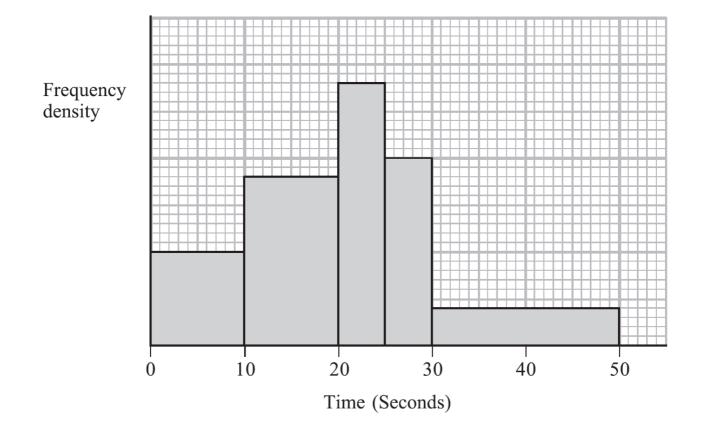
Time (t seconds)	Frequency
$0 \le t \le 10$	8
$10 < t \leq 20$	16
20 < <i>t</i> ≤ 25	15
$25 < t \leq 30$	12
30 < <i>t</i> ≤ 50	6

She used this information to complete the frequency table.

(a) Use the table to complete the histogram.



On Tuesday she conducted a similar survey and drew the following histogram from her results.

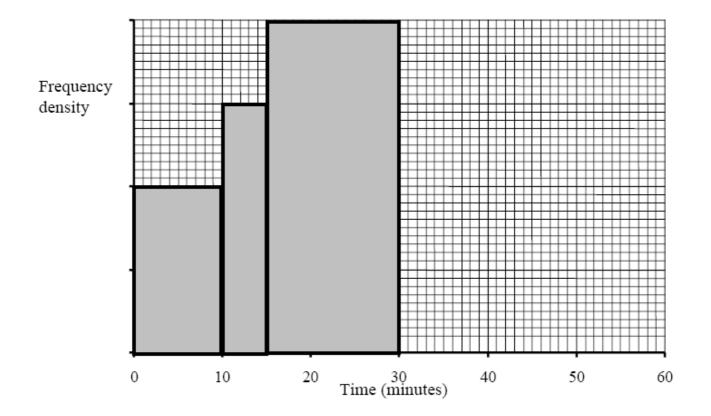


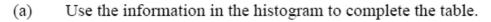
(b) Use the histogram for Tuesday to complete the table.

Time (<i>t</i> seconds)	Frequency
$0 < t \leqslant 10$	10
$10 < t \leq 20$	
$20 < t \leq 25$	
$25 < t \leqslant 30$	
$30 < t \leqslant 50$	

15. The table and histogram give information about how long, in minutes, some students took to complete a homework.

Time (<i>t</i>) in minutes	Frequency
$0 \le t \le 10$	20
$10 \le t \le 15$	
$15 \le t \le 30$	
$30 < t \le 50$	62
$50 < t \le 60$	23





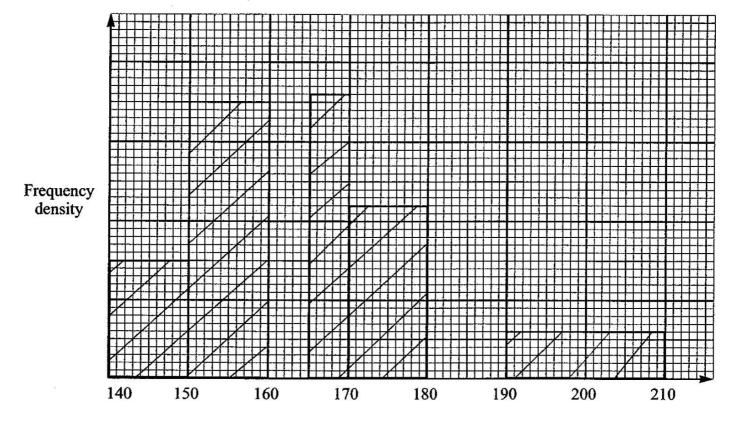
(2)

(b) Use the table to complete the histogram.

(2)

(Total 4 marks)

11. The unfinished histogram and table give information about the heights, in centimetres, of the Year 11 students at Mathstown High School.



Height (h cm)

Frequency
15
20
12

(a) Use the histogram to complete the table.

(3 marks)

(b) Use the table to complete the histogram.

(3 marks)

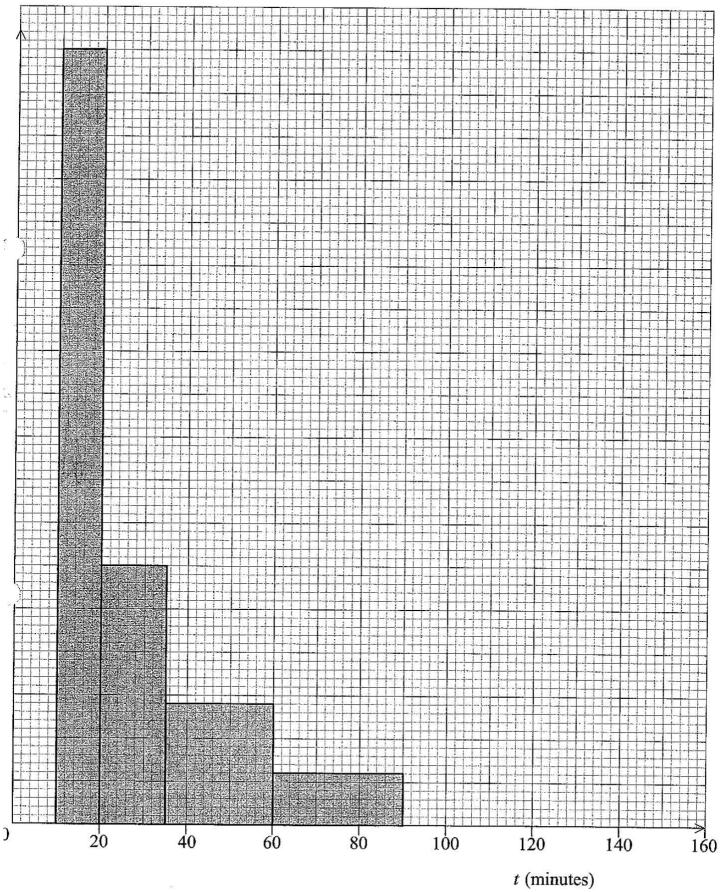
14. A record was kept of the length of time, t minutes, that computer users were connected to an internet server during a 150 minute period.

Time (t) minutes	Frequency
0 <i>< t</i> ≼5	40
5 < <i>t</i> ≤10	150
10 <i>≤t</i> ≤20	
20 <i>≤t</i> ≼35	225
35 < t≤60	
60 < <i>t</i> ≤90	
90 < <i>t</i> ≤150	60

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

(3)

Frequency density



(3)