

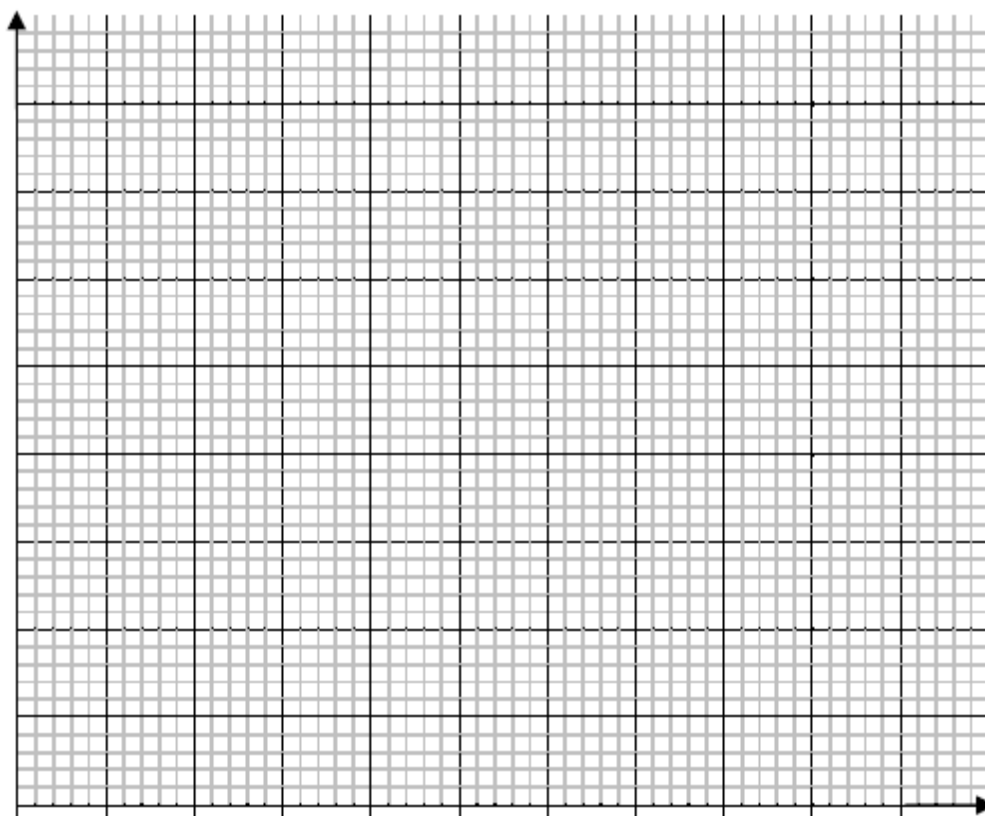
Histograms

1.

The table shows information about the heights of 40 bushes.

Height (h cm)	Frequency
$170 \leq h < 175$	5
$175 \leq h < 180$	18
$180 \leq h < 185$	12
$185 \leq h < 190$	4
$190 \leq h < 195$	1

Draw a histogram to illustrate this information.

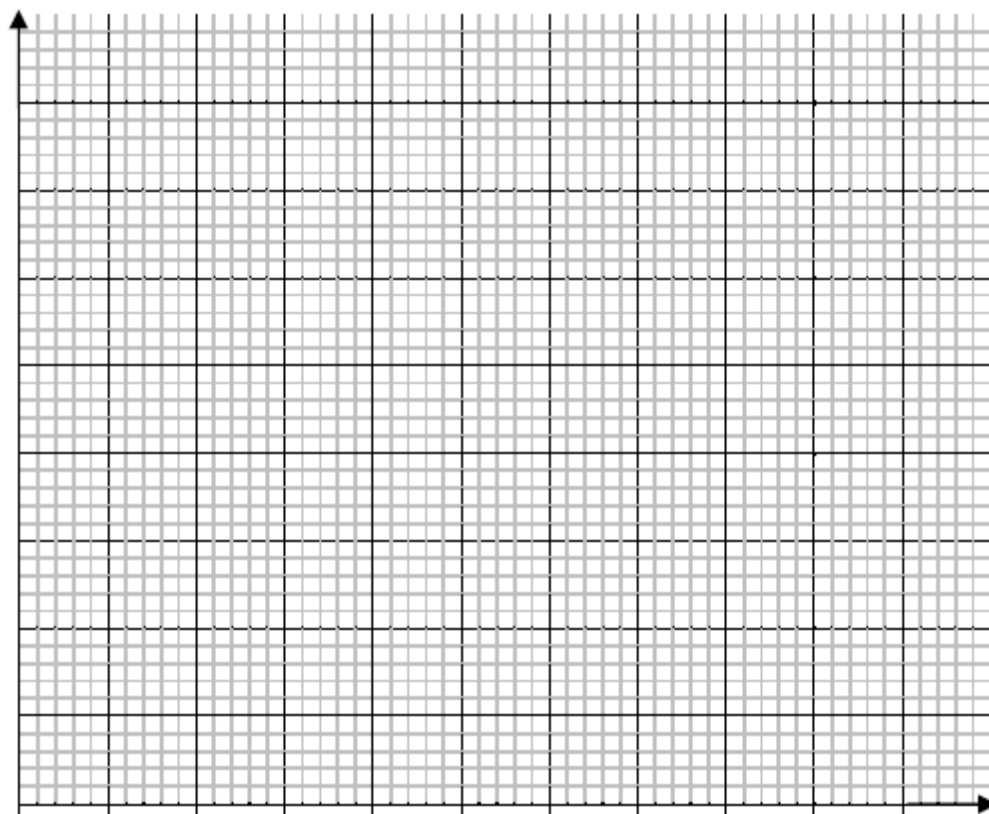


2.

The table gives information about the ages of 160 employees of an IT company.

Age (A) in years	Frequency
$15 < A \leq 25$	44
$25 < A \leq 35$	56
$35 < A \leq 45$	34
$45 < A \leq 55$	19
$55 < A \leq 65$	7

Draw a histogram to illustrate this information.



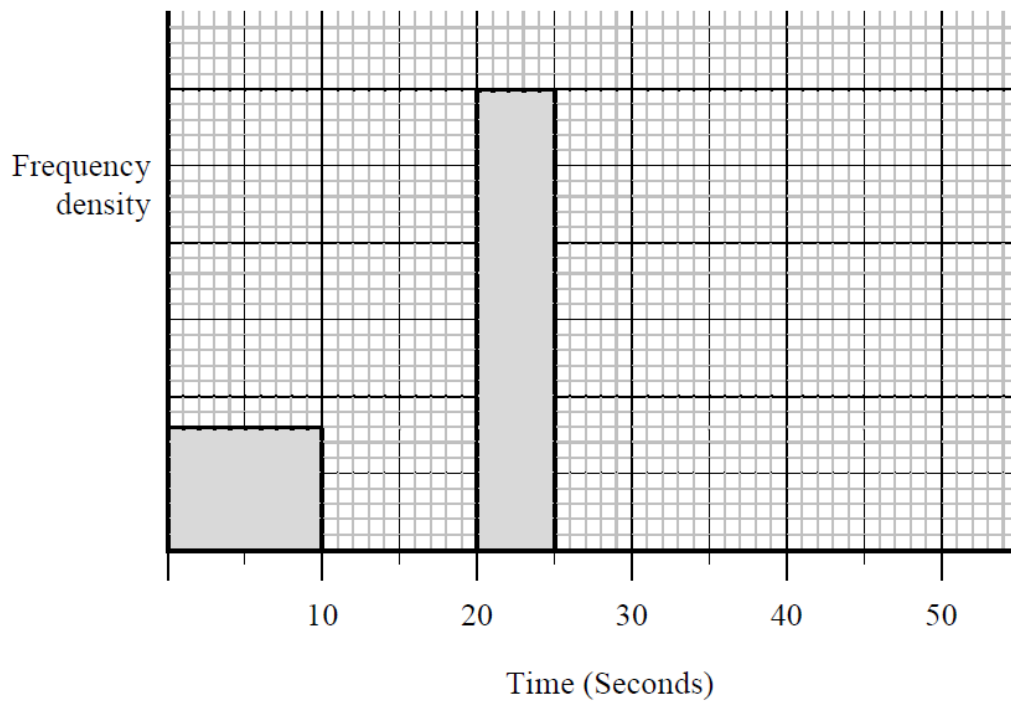
3.

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

She used this information to complete the frequency table.

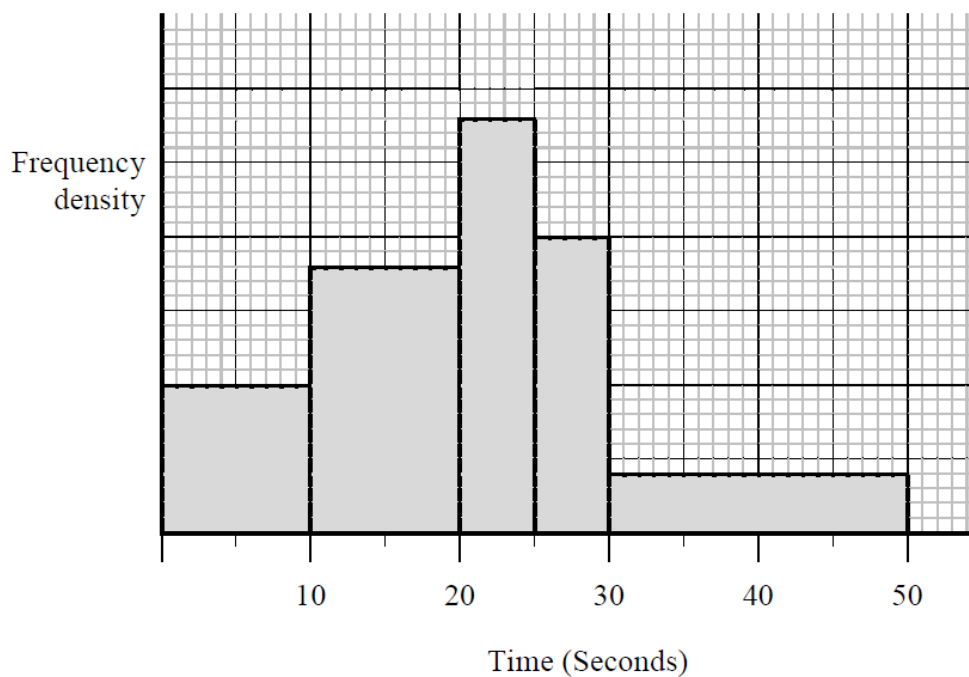
Time (t seconds)	Frequency
$0 < t \leq 10$	8
$10 < t \leq 20$	16
$20 < t \leq 25$	15
$25 < t \leq 30$	12
$30 < t \leq 50$	6

(a) Use the table to complete the histogram.



(3)

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



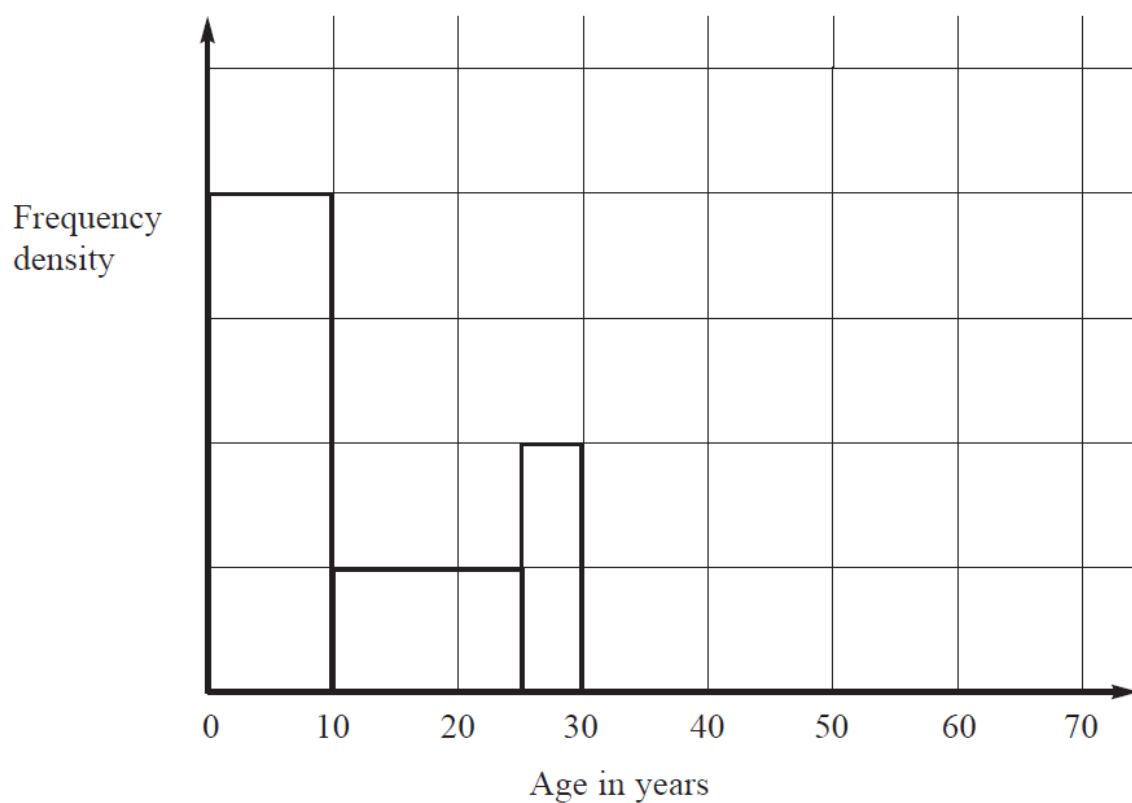
(b) Use the histogram for Tuesday to complete the table.

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

(2)

4.

The incomplete table and histogram give some information about the ages of the people who live in a village.



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

Age (x) in years	Frequency
$0 < x \leq 10$	160
$10 < x \leq 25$	
$25 < x \leq 30$	
$30 < x \leq 40$	100
$40 < x \leq 70$	120

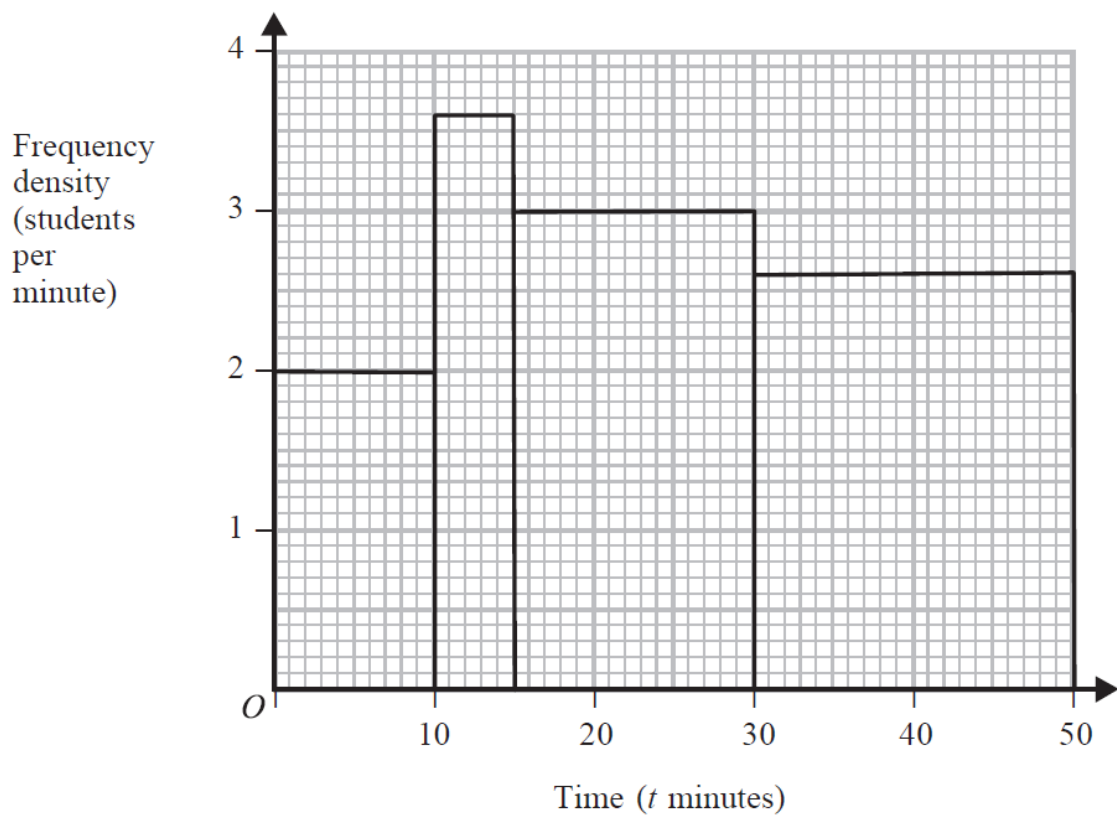
(2)

(b) Complete the histogram.

(2)

5.

The histogram gives information about the times, in minutes, 135 students spent on the Internet last night.



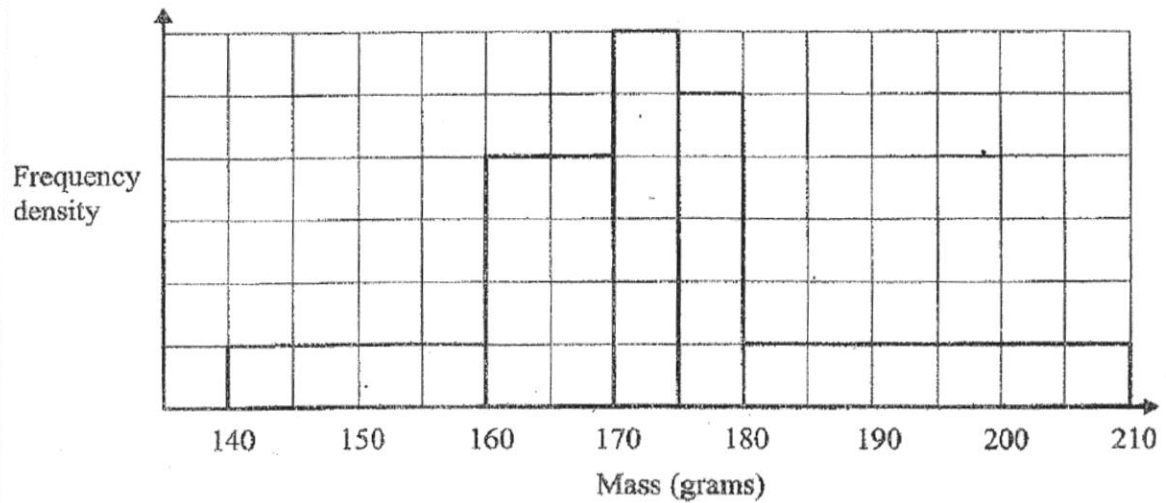
Use the histogram to complete the table.

Time (t minutes)	Frequency
$0 < t \leq 10$	
$10 < t \leq 15$	
$15 < t \leq 30$	
$30 < t \leq 50$	
TOTAL	135

(2)

6.

The histogram gives information about the masses of some stones.



The number of stones in the 170 g – 175 g class is 24 more than the number of stones in the 140 g – 160 g class.

Calculate the total number of stones.