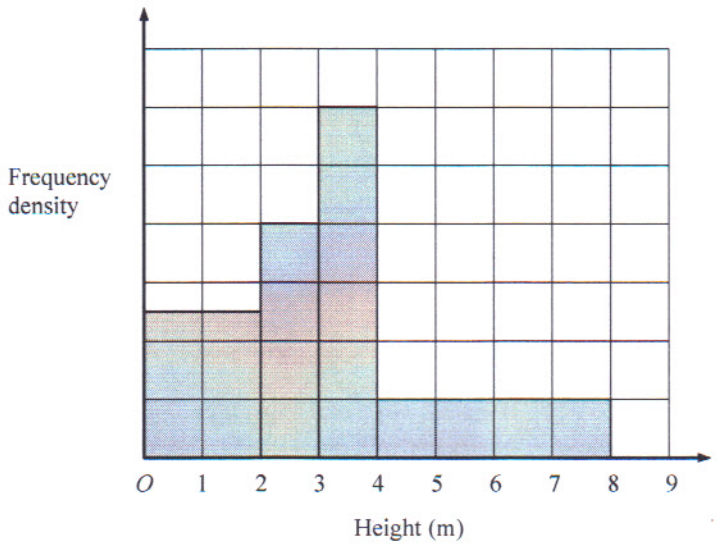
May 07 4H

Leave blank

20. The histogram shows information about the height, h metres, of some trees.



The number of trees with heights in the class $2 < h \leqslant 3$ is 20

Find the number of trees with heights in the class

(i) $4 < h \leqslant 8$

.....

(ii) $3 < h \leqslant 4$

.....

Q20

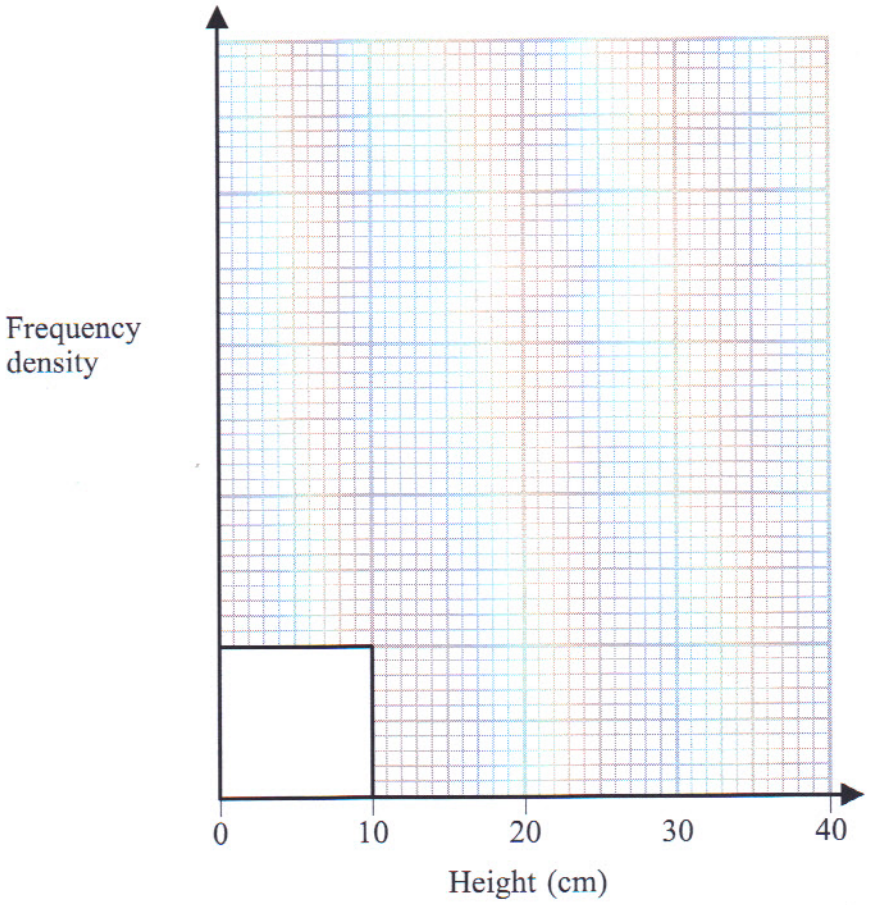
(Total 3 marks)

Leave blank

17. In an experiment, 52 plants were grown and their heights were measured. The results are summarised in the table. May 05 4H

Height	$0 \leqslant h < 10$	$10 \leqslant h < 15$	$15 \leqslant h < 20$	$20 \leqslant h < 40$
Number of plants	10	20	14	8

(a) Complete the histogram for these results.



(4)

The plants with heights from 17.5 cm to 25 cm are chosen for a display.

(b) Calculate an estimate of the number of plants chosen for the display.

.....

(2)

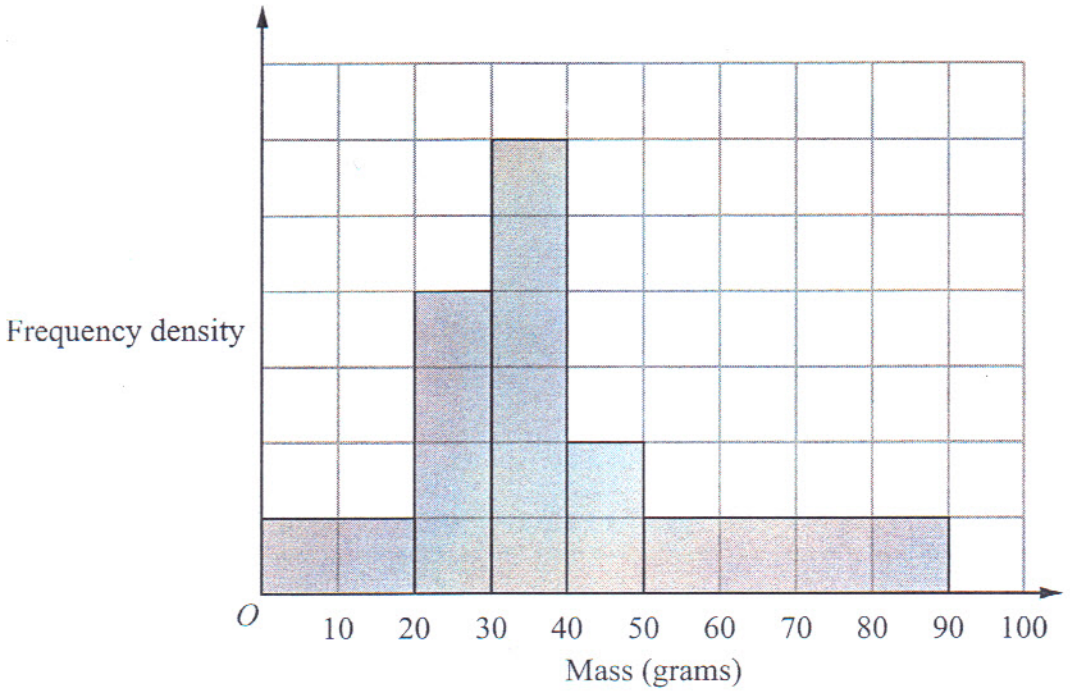
Q17

(Total 6 marks)

Leave blank

NOV 08 4H

16. The histogram shows information about the masses, in grams, of some stones.



There are 120 stones with masses less than 30 g.
Calculate an estimate of the number of stones with masses between 35 g and 70 g.

.....

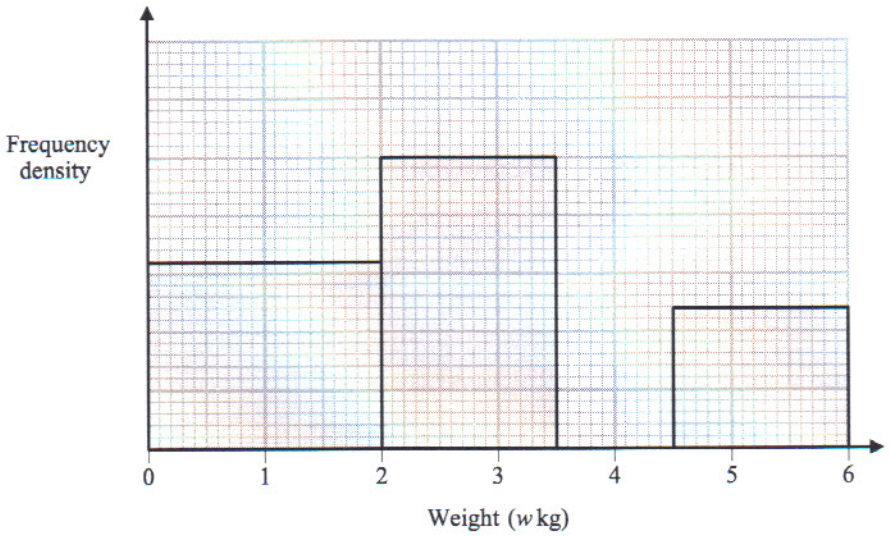
Q16

(Total 3 marks)

NOV 06 4H

Leave blank

21. The unfinished table and histogram show information about the weights, in kg, of some babies.



Weight (w kg)	Frequency
$0 < w \leqslant 2$	
$2 < w \leqslant 3.5$	150
$3.5 < w \leqslant 4.5$	136
$4.5 < w \leqslant 6$	

(a) Use the histogram to complete the table.

(2)

(b) Use the table to complete the histogram.

(1) Q21

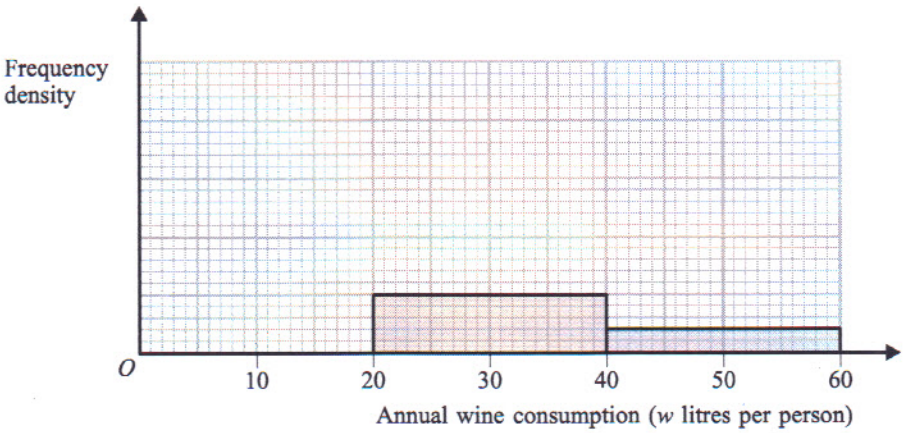
(Total 3 marks)

Leave blank

21. The unfinished table and histogram show information about the annual wine consumption, in litres per person, in some countries.

Nov 07 4H

Annual wine consumption (w litres per person)	Frequency
$0 < w \leqslant 5$	21
$5 < w \leqslant 20$	18
$20 < w \leqslant 40$	20
$40 < w \leqslant 60$	



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

(2)

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

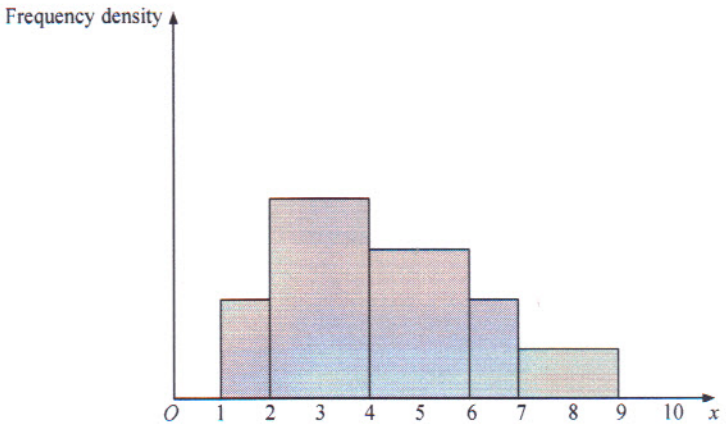
(1) **Q21**

(Total 3 marks)

May 08 4H

Leave blank

17. The histogram shows information about the heights, x cm, of some plants.
The histogram is drawn accurately.



(a) Calculate the percentage of values of x that lie between 2 and 4.

..... %

(3)

(b) Find the median of x.

.....

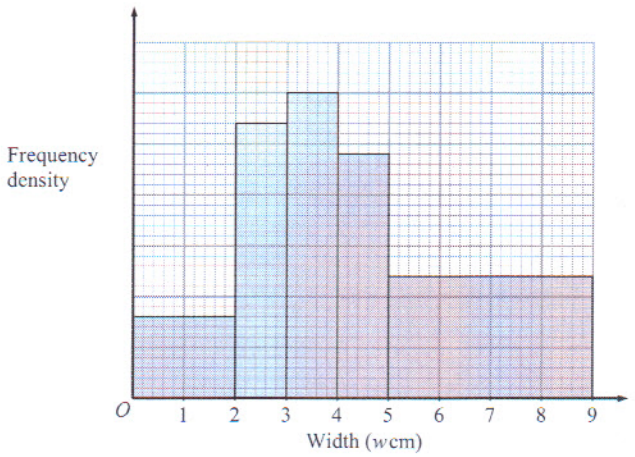
(2) **Q17**

(Total 5 marks)

May 09 4H

Leave blank

19. The histogram shows information about the widths, w centimetres, of some leaves.



The number of leaves with widths in the class $3 < w \leqslant 4$ is 15

(a) Find the number of leaves with widths in the class $0 < w \leqslant 2$

.....

(2)

(b) Find an estimate of the number of leaves with widths in the range

$4.5 < w \leqslant 5.5$

.....

(3) Q19

(Total 5 marks)