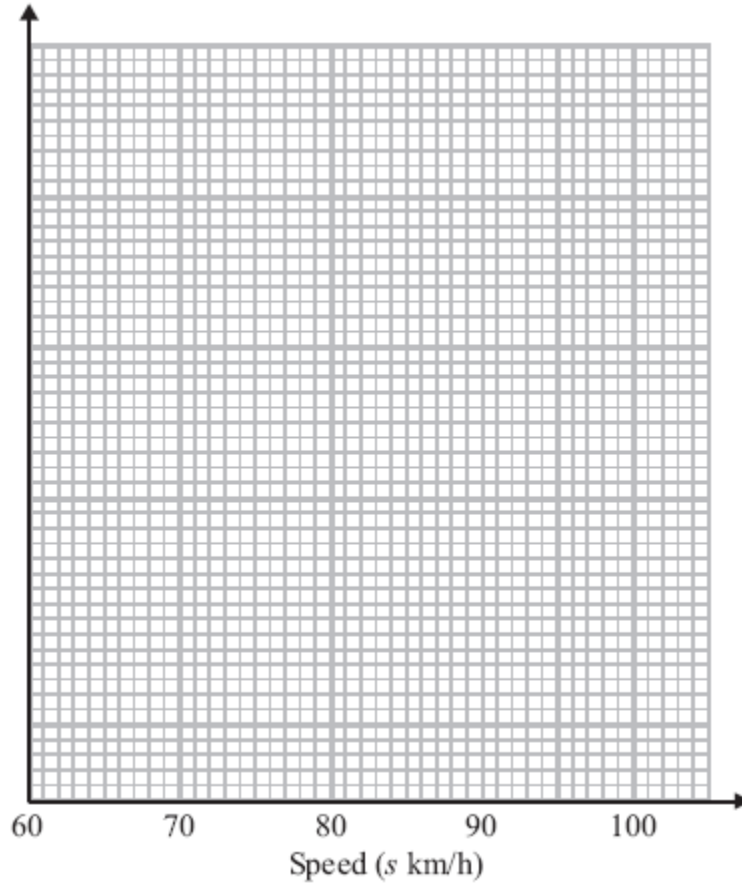


1. The table gives some information about the speeds, in km/h, of 100 cars.

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

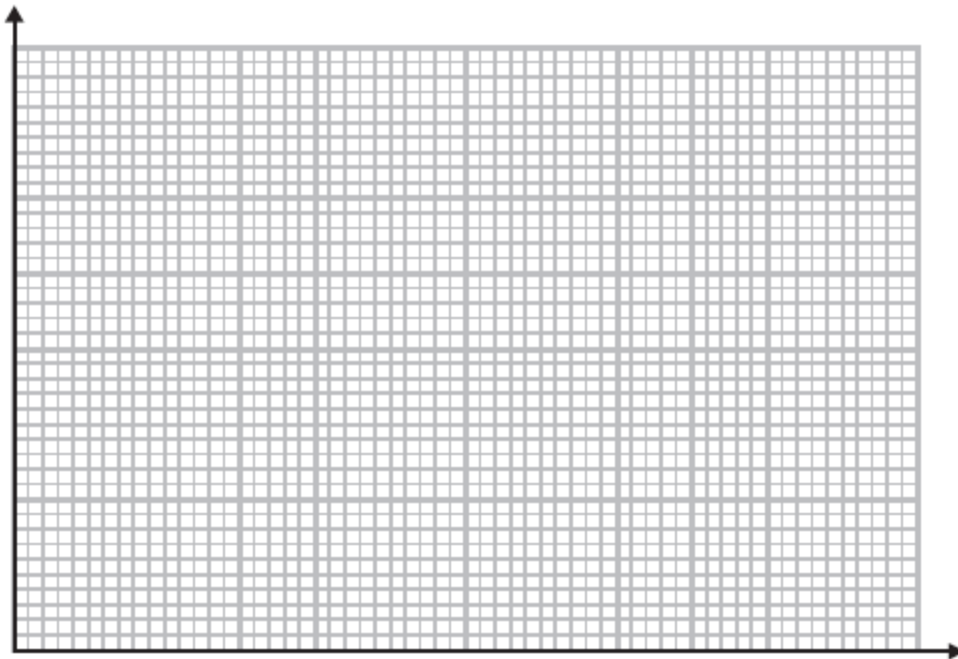
.....  
(2)

(5 marks)

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

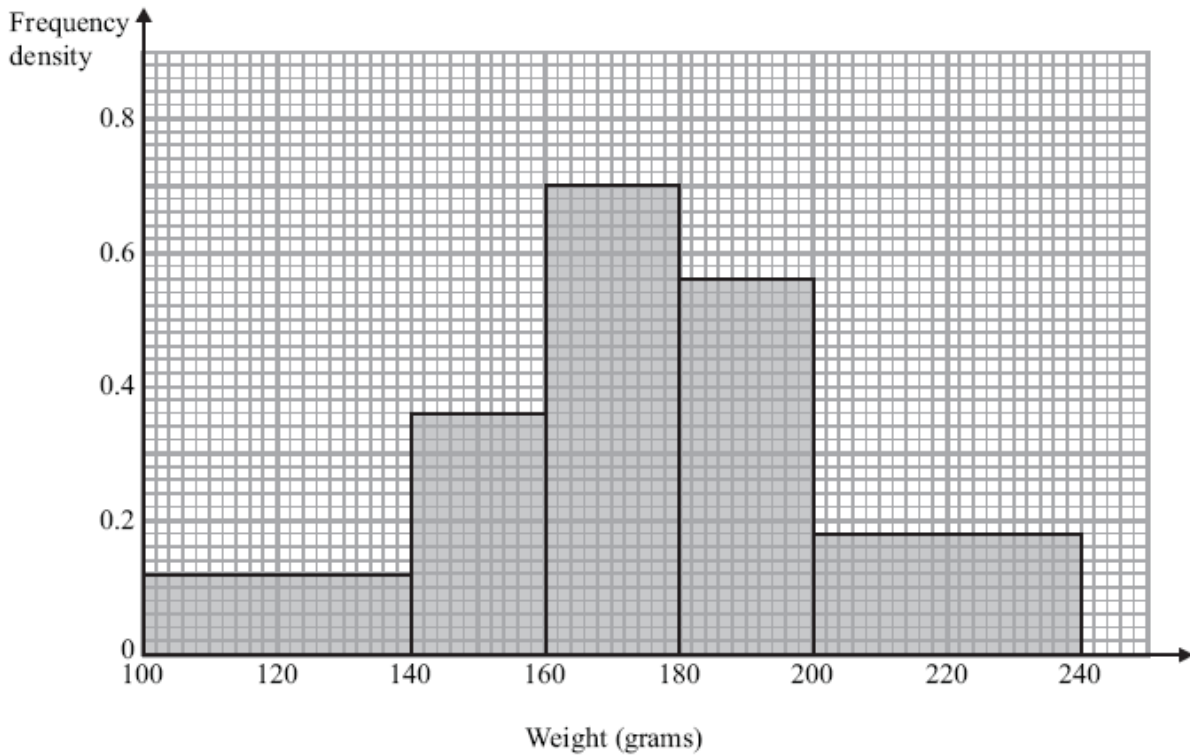
Height ( $h$ metres)	Frequency
$0 < h \leq 2$	7
$2 < h \leq 4$	14
$4 < h \leq 8$	18
$8 < h \leq 16$	24
$16 < h \leq 20$	10

Draw a histogram to show this information.



(3 marks)

3. 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.

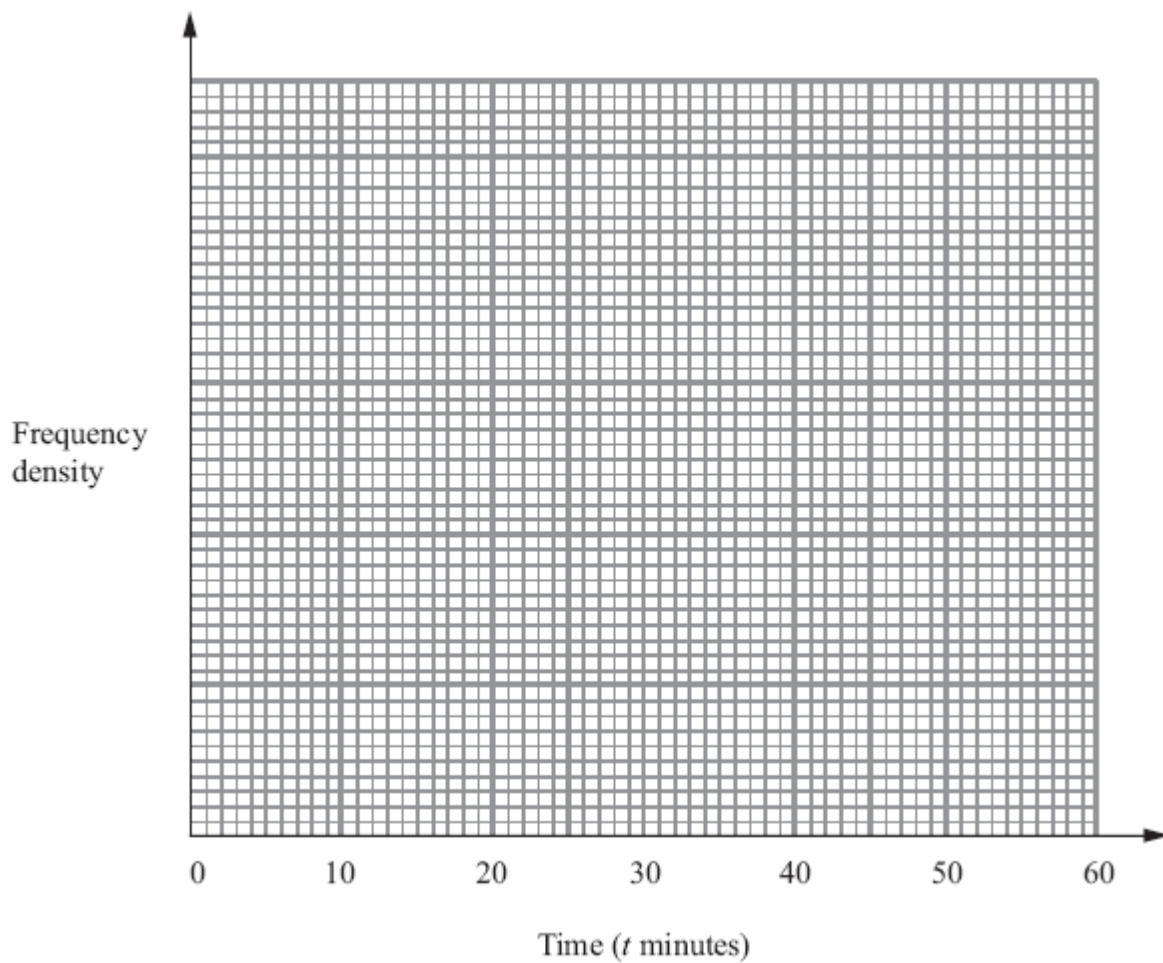
.....  
**(4 marks)**

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4. 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
$0 < t \leq 10$	4
$10 < t \leq 15$	8
$15 < t \leq 20$	24
$20 < t \leq 30$	16
$30 < t \leq 50$	5

Draw a histogram for this information.

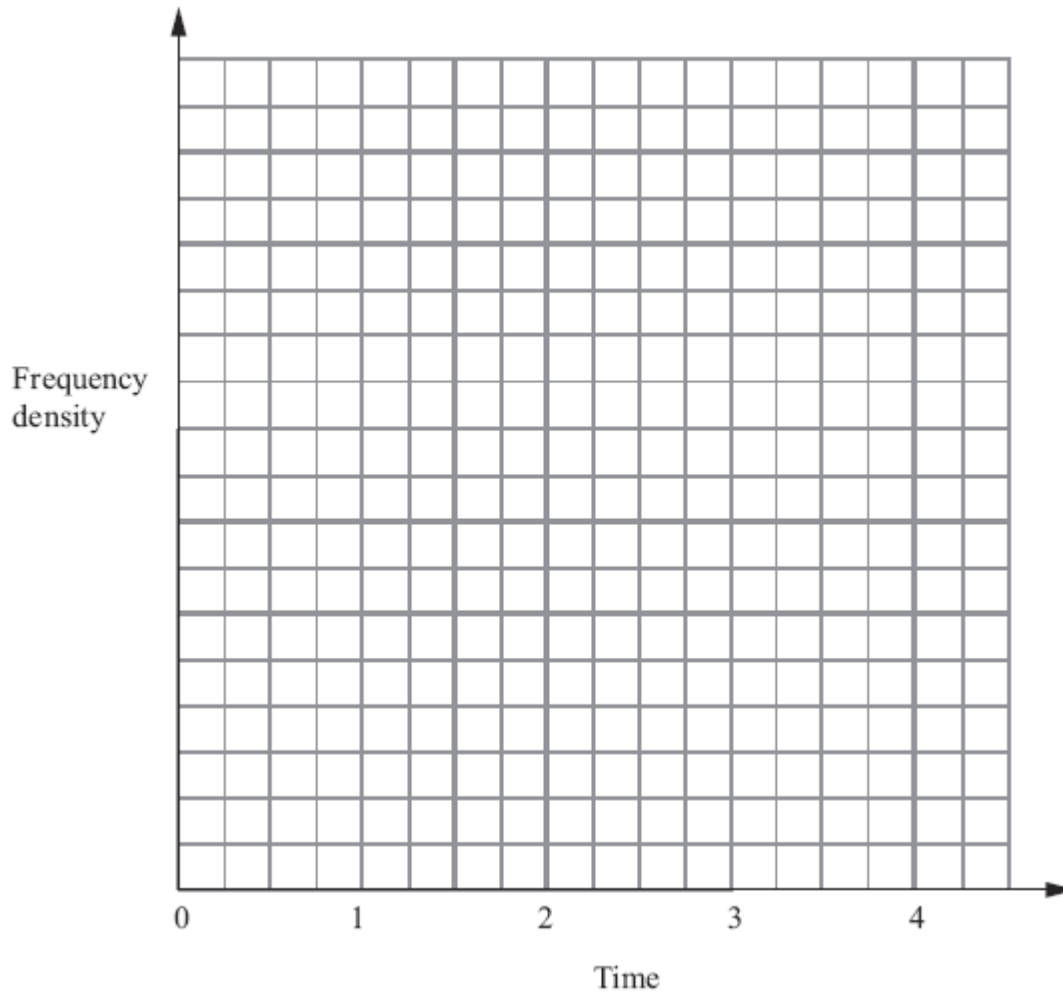


(Total 3 marks)

5. The table shows information about the total times that 35 students spent using their mobile phones one week.

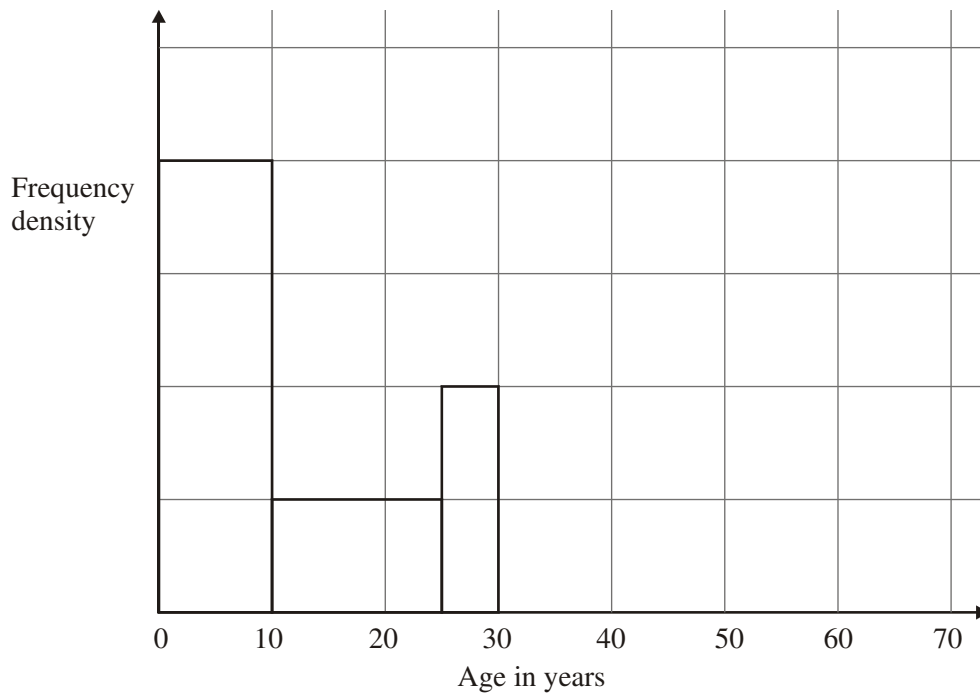
Time ( $h$ hours)	Frequency
$0 \leq h < \frac{1}{2}$	8
$\frac{1}{2} \leq h < 1$	7
$1 \leq h < 2$	11
$2 \leq h < 4$	9

On the grid below, draw a histogram for this information.



(Total for Question 23 = 3 marks)

6. 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.

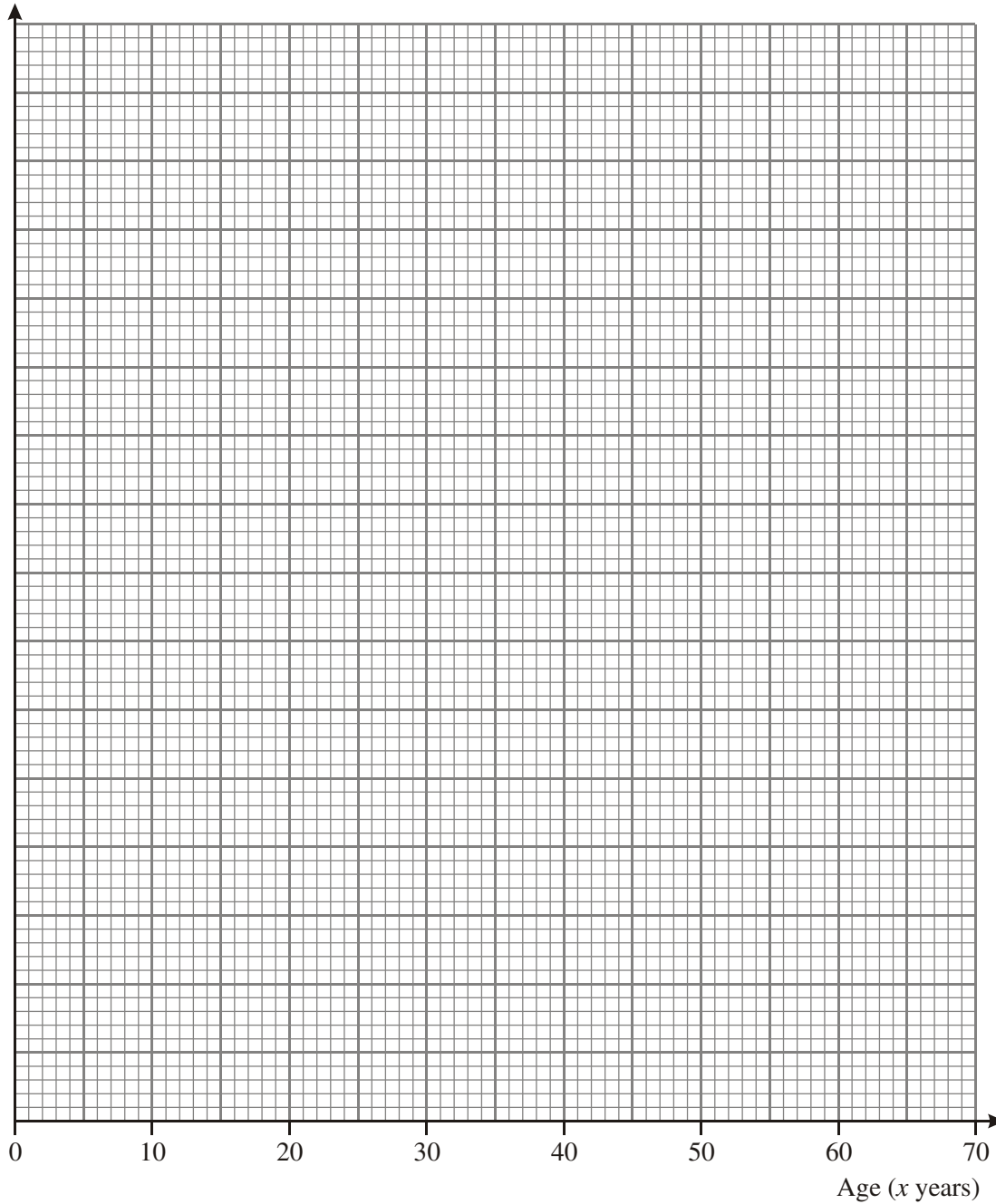
(2)

**(Total 4 marks)**

7. The table shows the distribution of the ages of passengers travelling on a plane from London to Belfast.

Age ( $x$ years)	Frequency
$0 < x \leq 20$	28
$20 < x \leq 35$	36
$35 < x \leq 45$	20
$45 < x \leq 65$	30

On the grid below, draw a histogram to show this distribution.

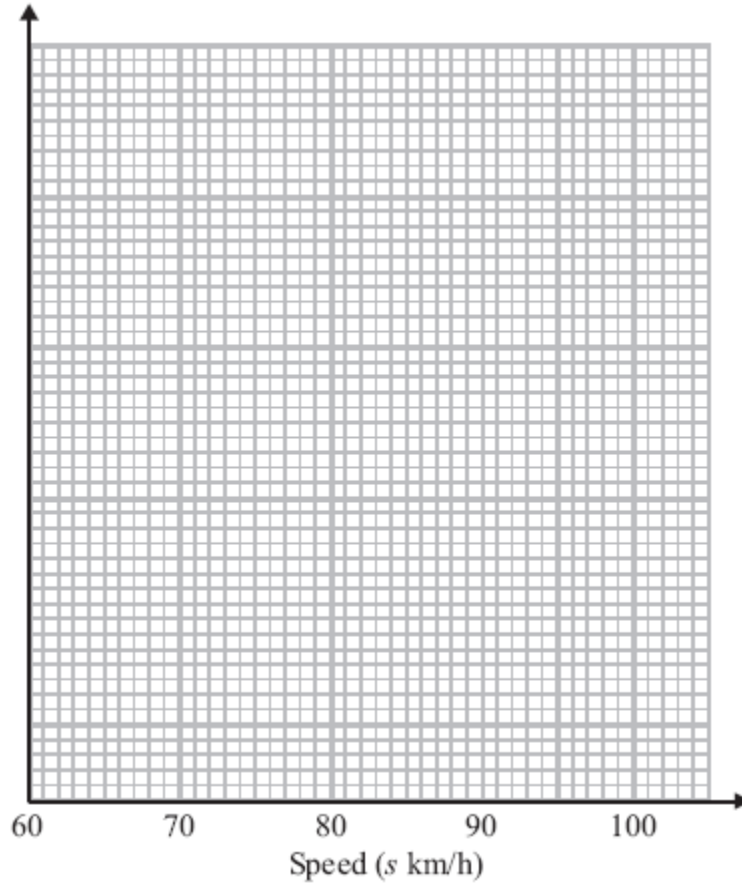


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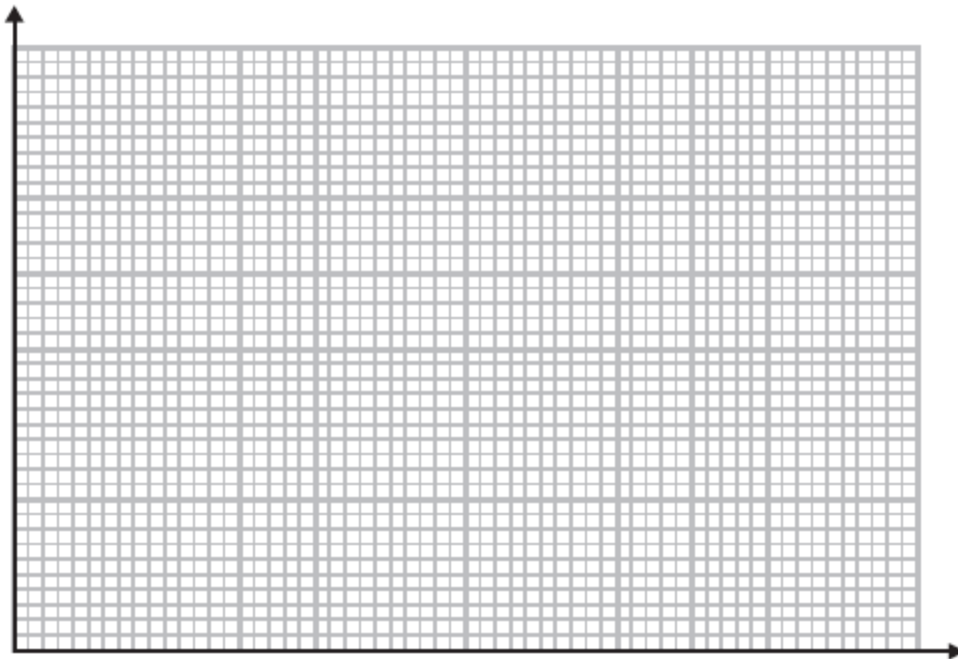
(5 marks)



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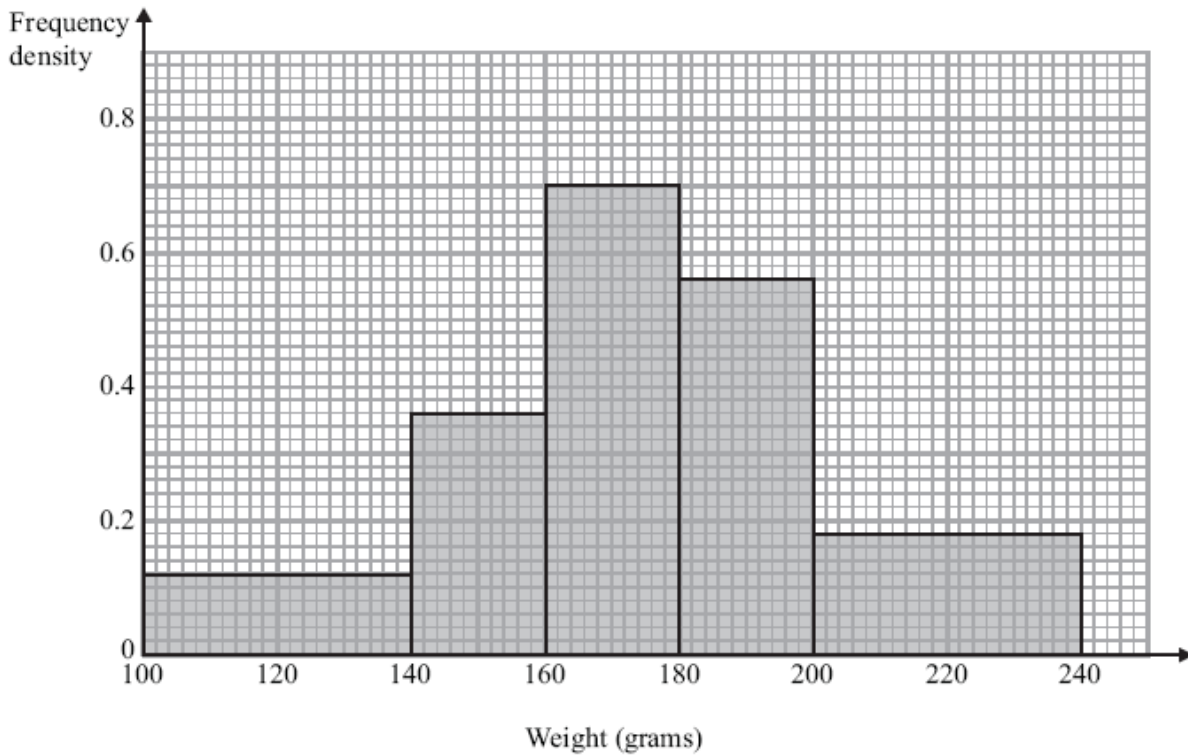
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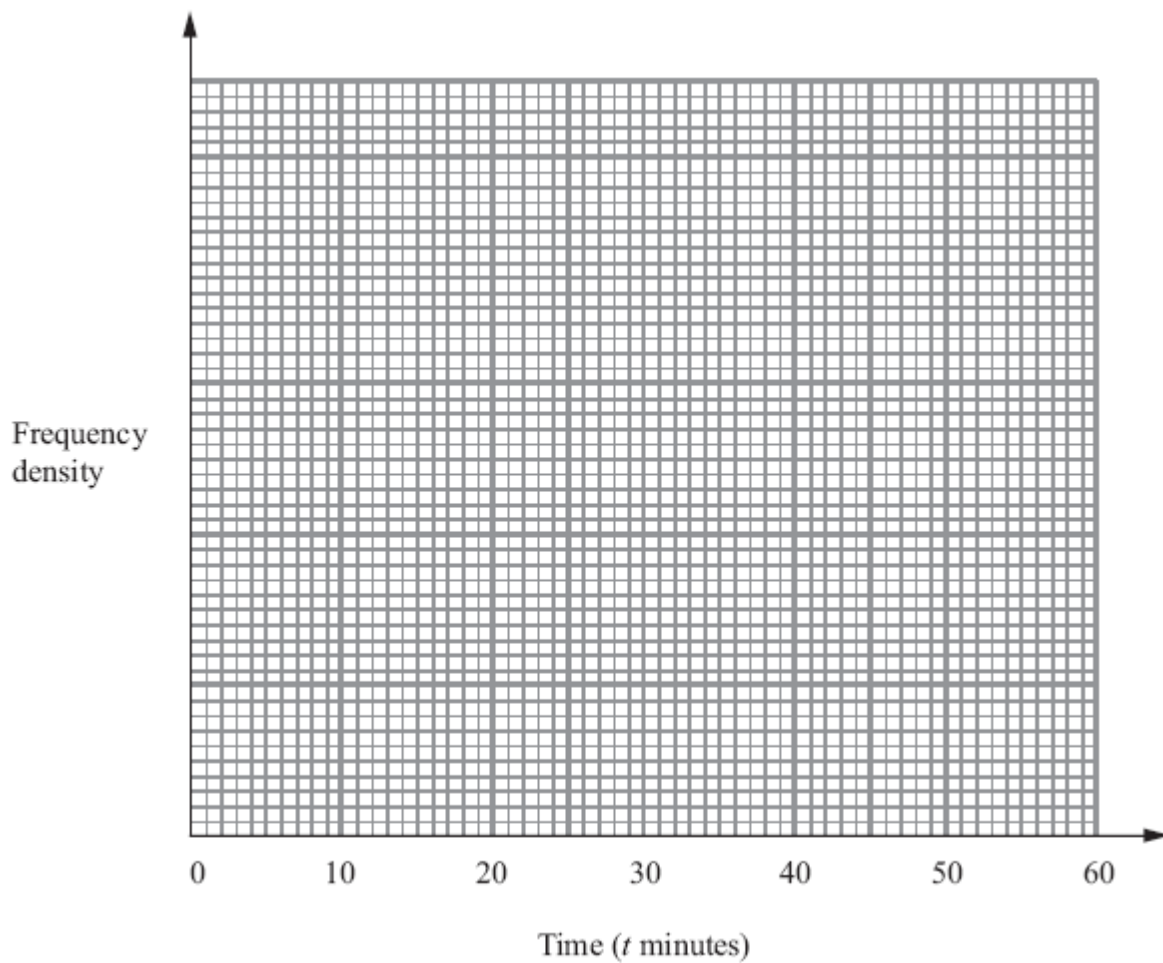
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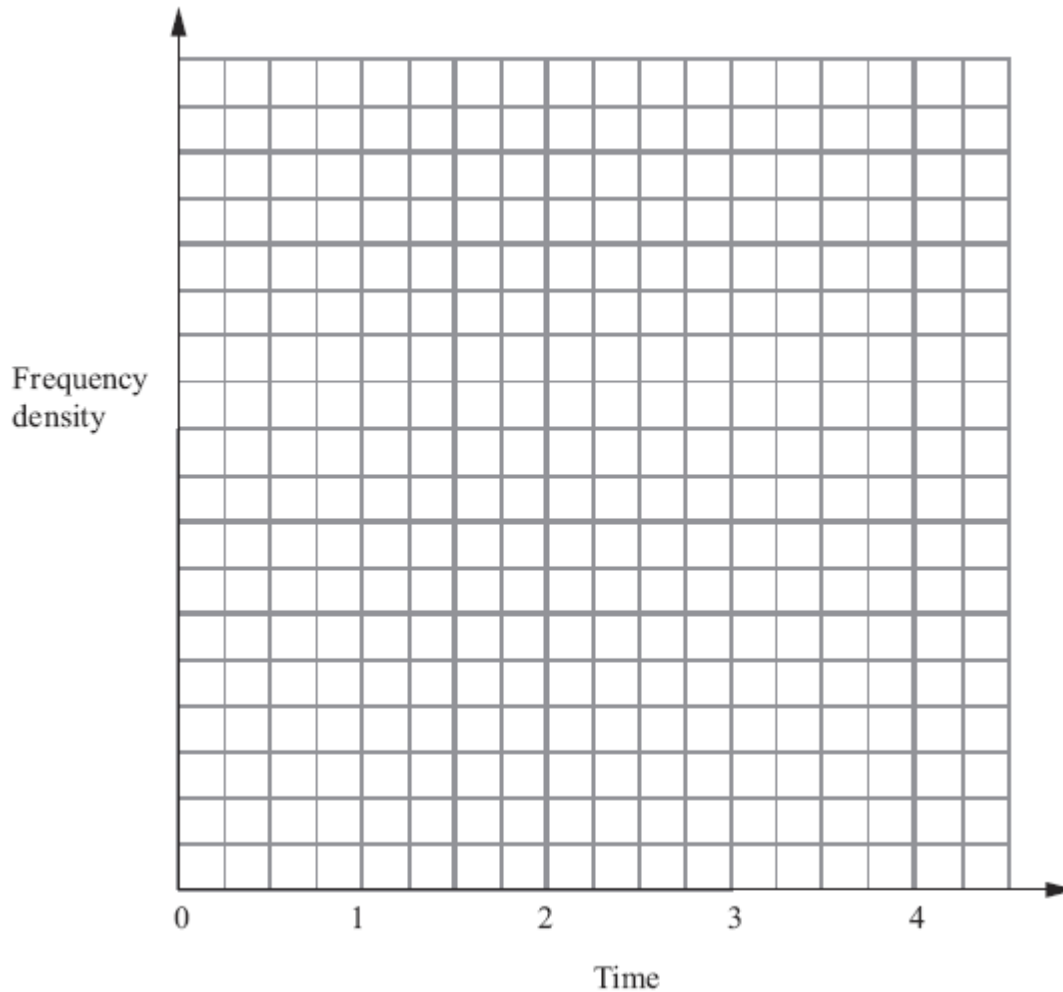


(Total 3 marks)

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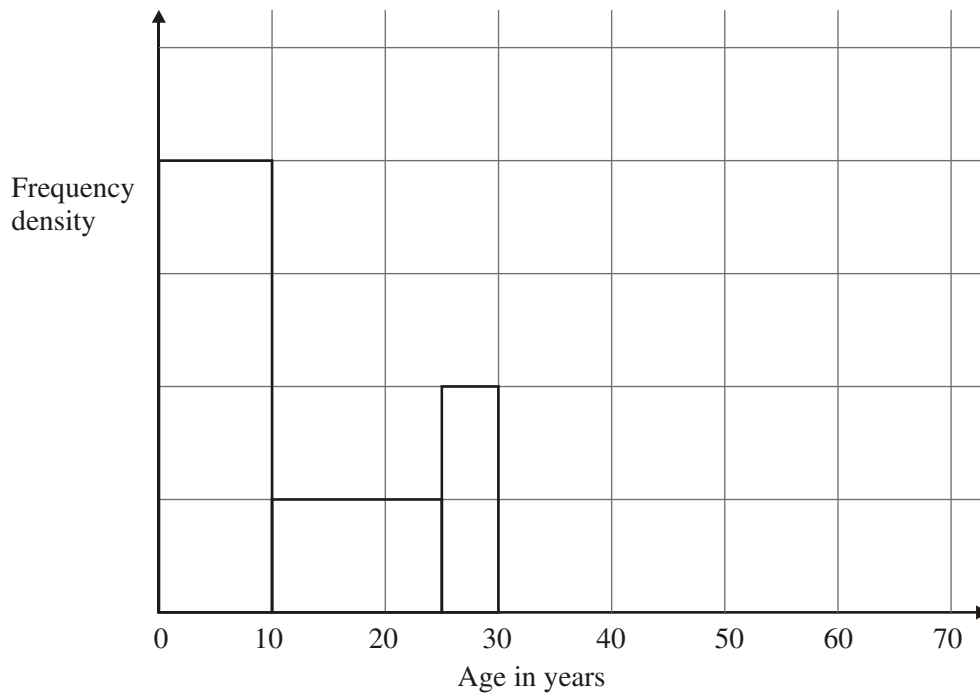
Time ( $h$ hours)	Frequency
$0 \leq h < \frac{1}{2}$	8
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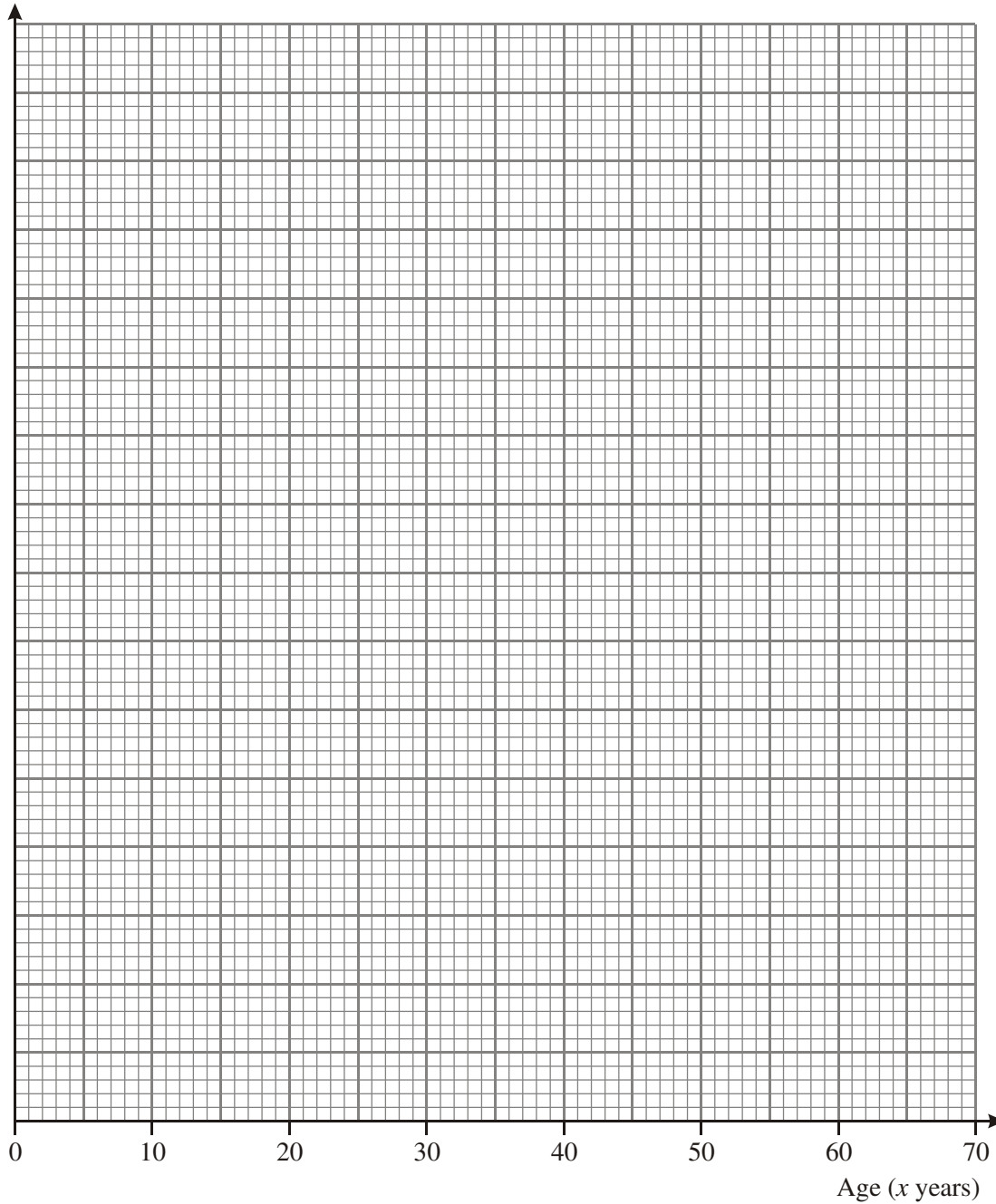
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