Drawing Histograms

SCAN ME

REVISE THIS TOPIC

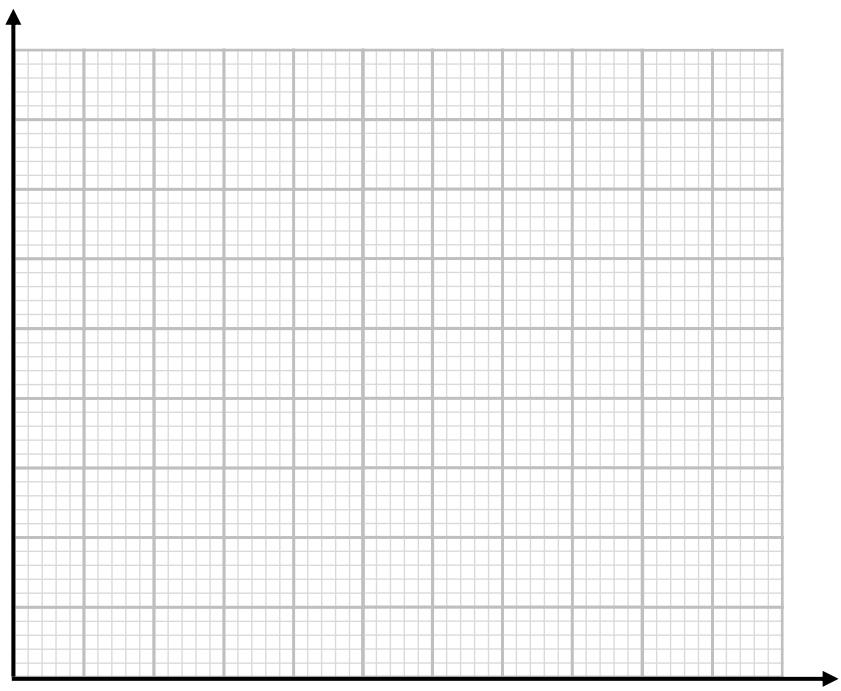
CHECK YOUR ANSWERS

SCAN ME

1 The table gives information about the mass, in kg, of 60 dogs.

Mass (m kg)	Frequency
$0 < m \leq 5$	18
$5 < m \leq 15$	28
$15 < m \leq 25$	9
$25 < m \leq 50$	5

On the grid, draw a histogram for this information.



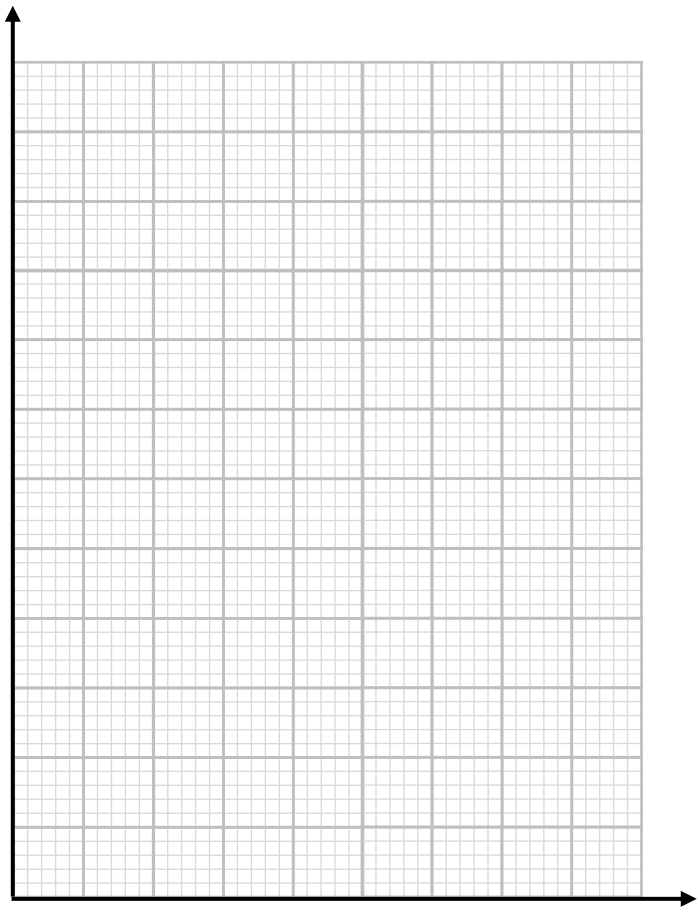
(Total for Question 1 is 3 marks)

1

2 The table gives information about the speeds, in mph, of 50 vehicles on a road.

Speed (S mph)	Frequency
$30 < S \leq 40$	8
$40 < S \leq 45$	27
$45 < S \leq 50$	13
$50 < S \leq 70$	2

On the grid, draw a histogram for this information.

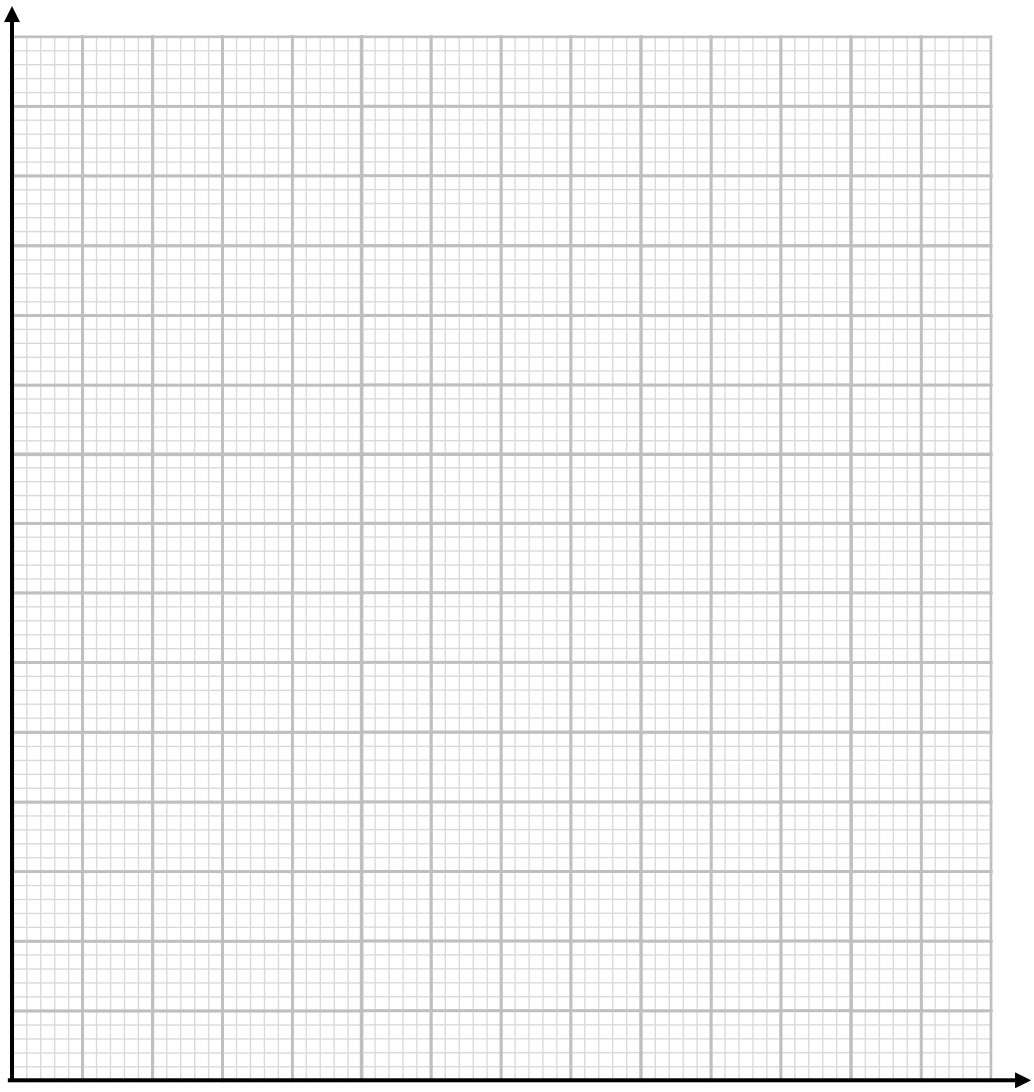


(Total for Question 2 is 3 marks)

3 The table gives information about the ages, in years, of 100 people taking their driving test on one day.

Age (A years)	Frequency
$17 < A \leq 20$	42
$20 < A \leq 25$	30
$25 < A \leq 30$	16
$30 < A \leq 40$	6
$40 < A \leq 70$	6

On the grid, draw a histogram for this information.



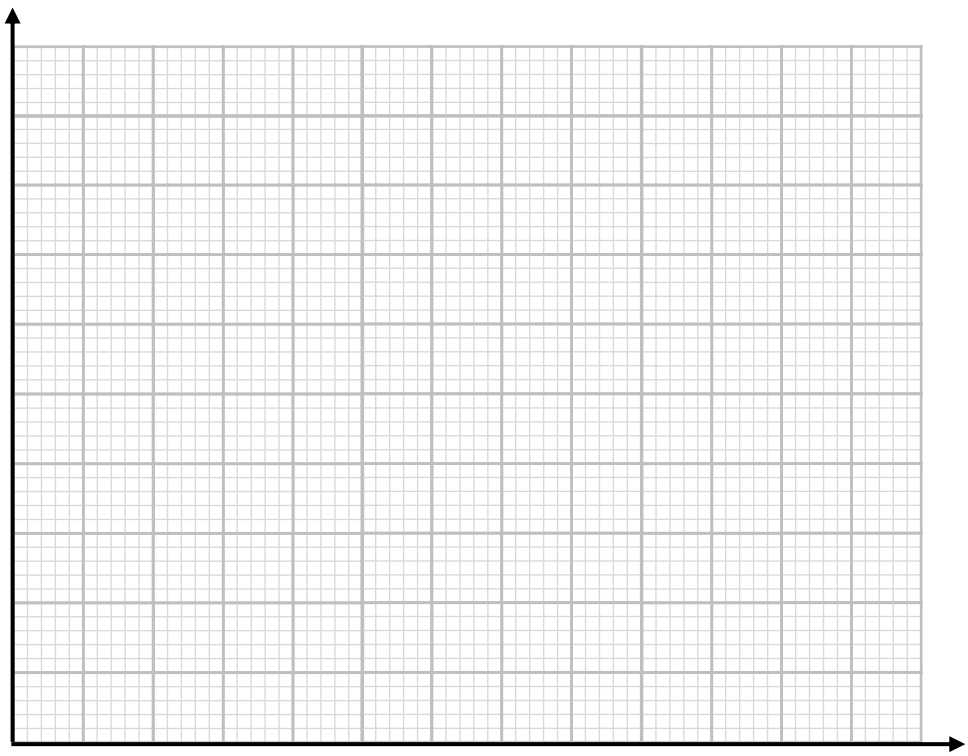
(Total for Question 3 is 3 marks)

Solutions

4 The table gives information about the times, in minutes, of 100 runners to complete a race.

Time (t minutes)	Frequency
$15 < t \leq 20$	12
$20 < t \leq 23$	27
$23 < t \leq 27$	32
$27 < t \leq 35$	20
$35 < t \leq 45$	9

On the grid, draw a histogram for this information.

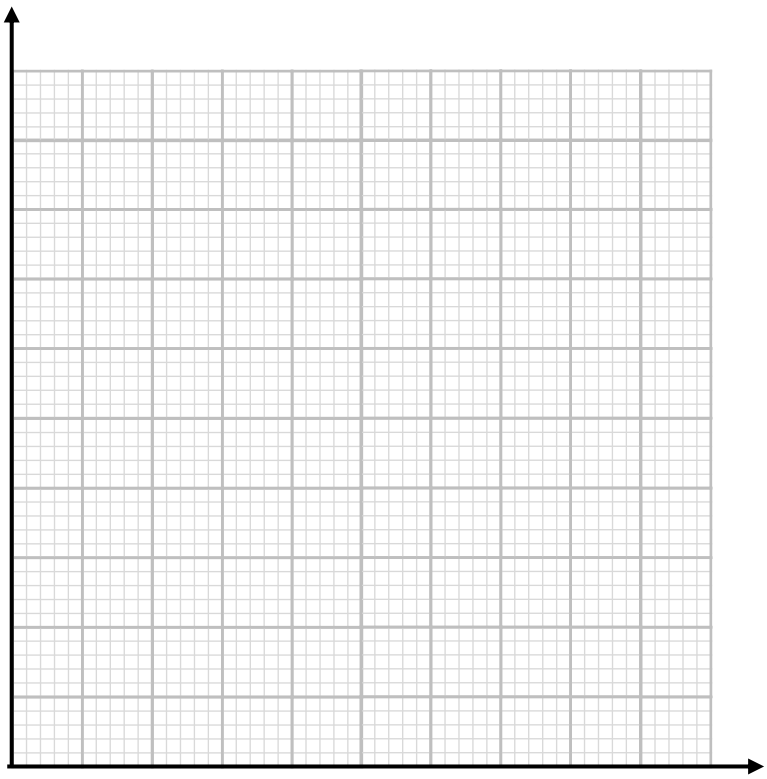


(Total for Question 4 is 3 marks)

5 The table gives information about the distance, in metres, of 40 jumps by a longer jumper.

Distance (d metres)	Frequency
$6 < d \leq 7$	2
$7 < d \leq 7.5$	2
$7.5 < d \leq 8$	6
$8 < d \leq 8.2$	18
$8.2 < d \leq 8.5$	12

On the grid, draw a histogram for this information.

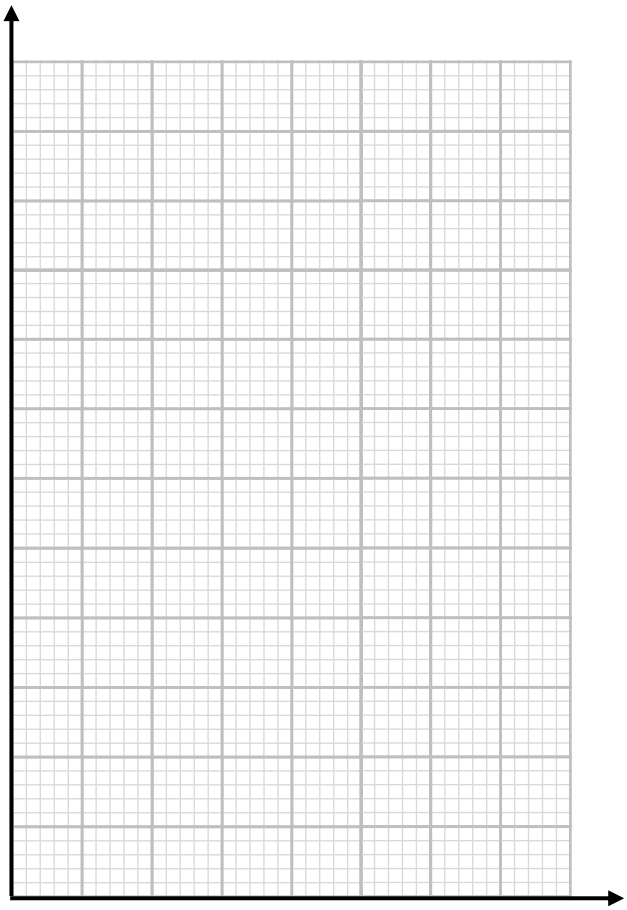


(Total for Question 5 is 3 marks)

6 The table gives information about the heights, in metres, of 70 trees in a park.

Height (h metres)	Frequency
$0 < h \leq 10$	16
$10 < h \leq 15$	28
$15 < h \leq 25$	14
$25 < h \leq 40$	12

On the grid, draw a histogram for this information.

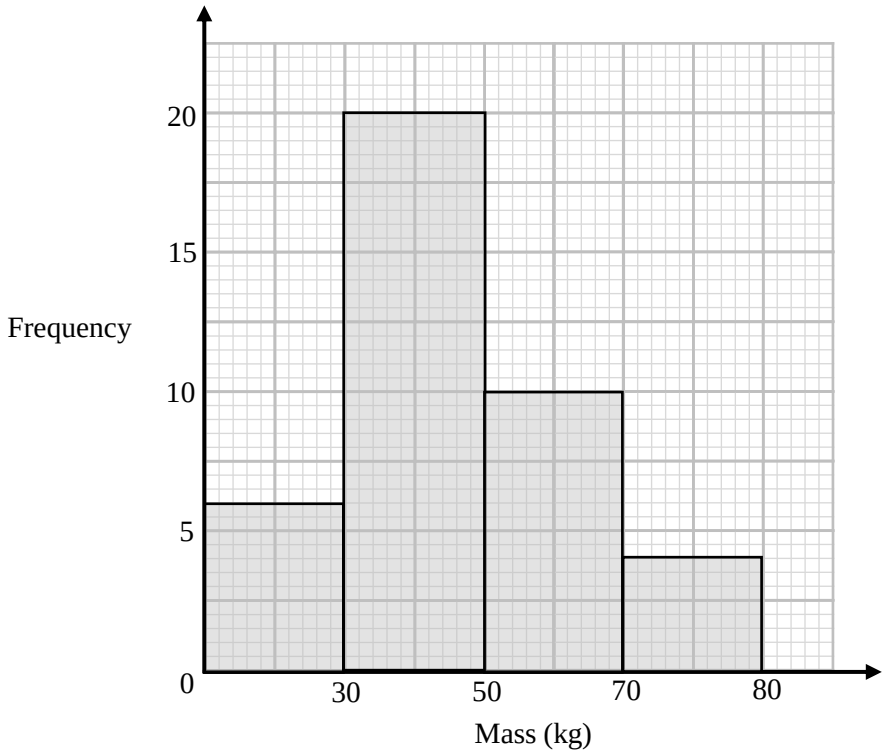


(Total for Question 6 is 3 marks)

7 The table gives information about the mass, in kg, of 40 sheep.

Mass (m kg)	Frequency
$0 < m \leq 30$	6
$30 < m \leq 50$	20
$50 < m \leq 70$	10
$70 < m \leq 80$	4

Shaun drew a histogram for the information in the table.



Write down two mistakes that Shaun has made

1 .....

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2 .....

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(Total for Question 7 is 2 marks)