Drawing Histograms

SCAN ME

REVISE THIS TOPIC

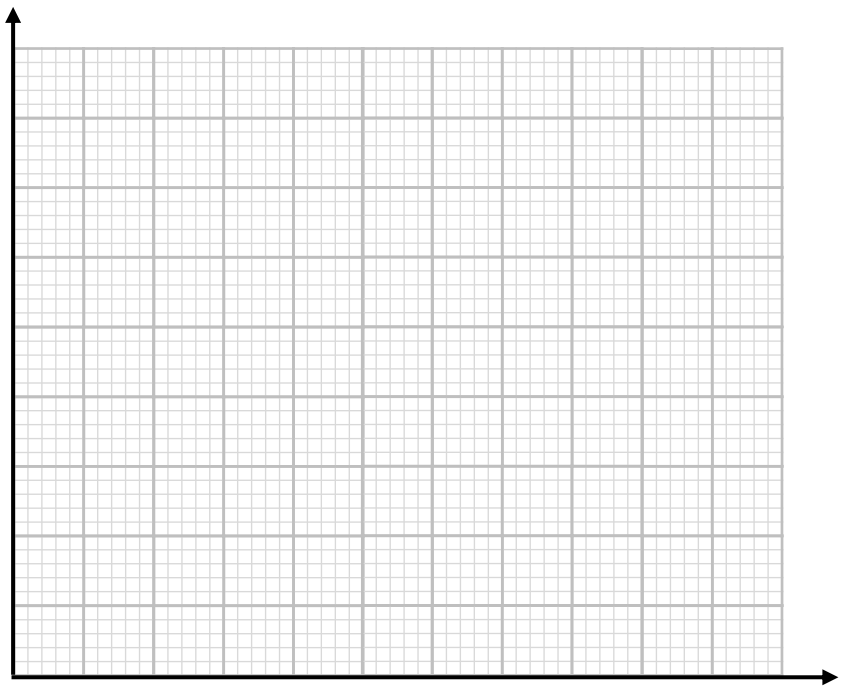
CHECK YOUR ANSWERS

SCAN ME

1 Here is some information about the masses, 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

Draw a histogram to represent the information. **[3 marks]**

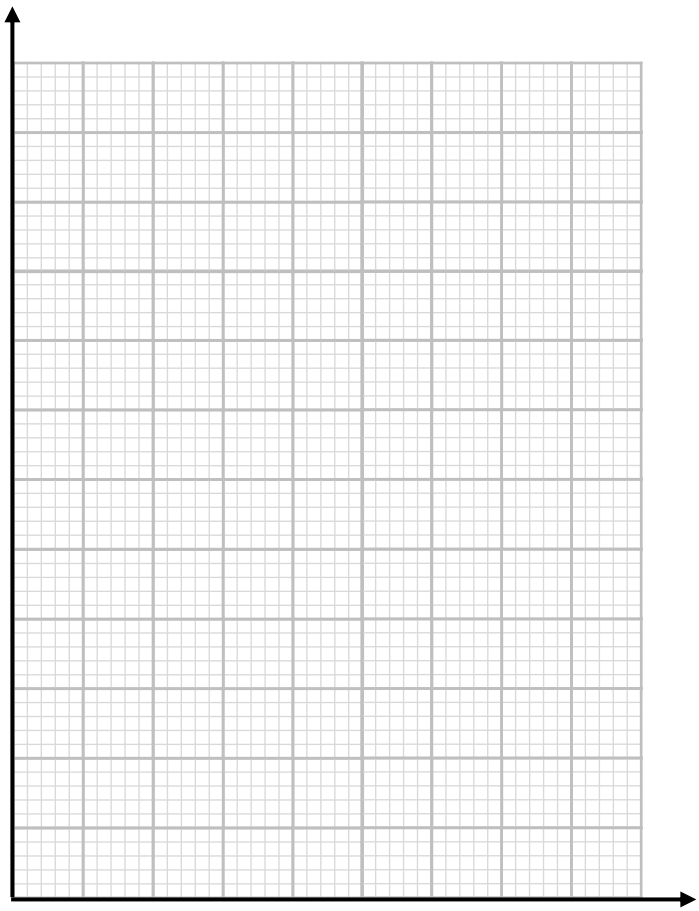


3

2 Here is some information about the speeds, in mph, of 50 vehicles.

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

Draw a histogram to represent the information. **[3 marks]**

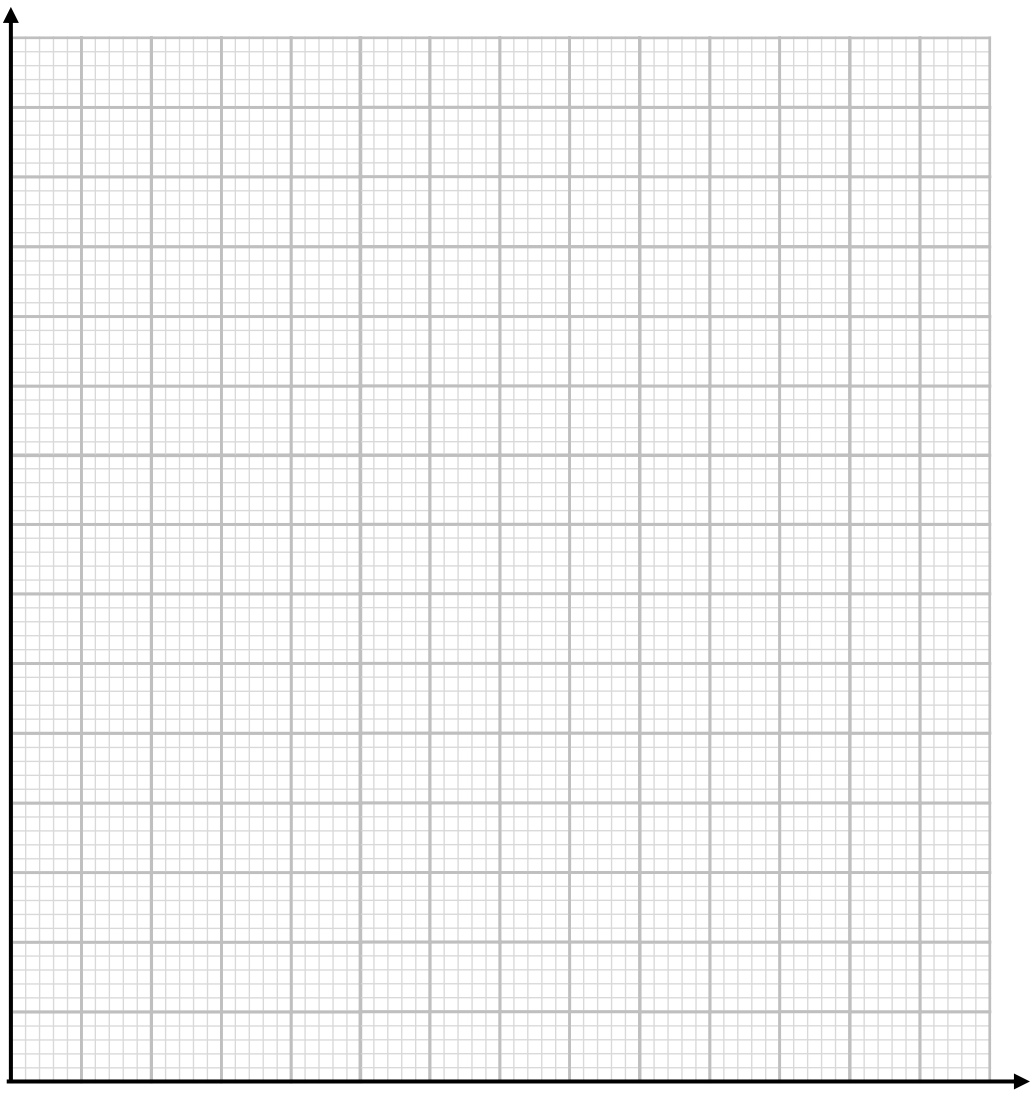


Solutions

3 Here is some information about the ages of 100 people taking their driving test.

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

Draw a histogram to represent the information. **[3 marks]**

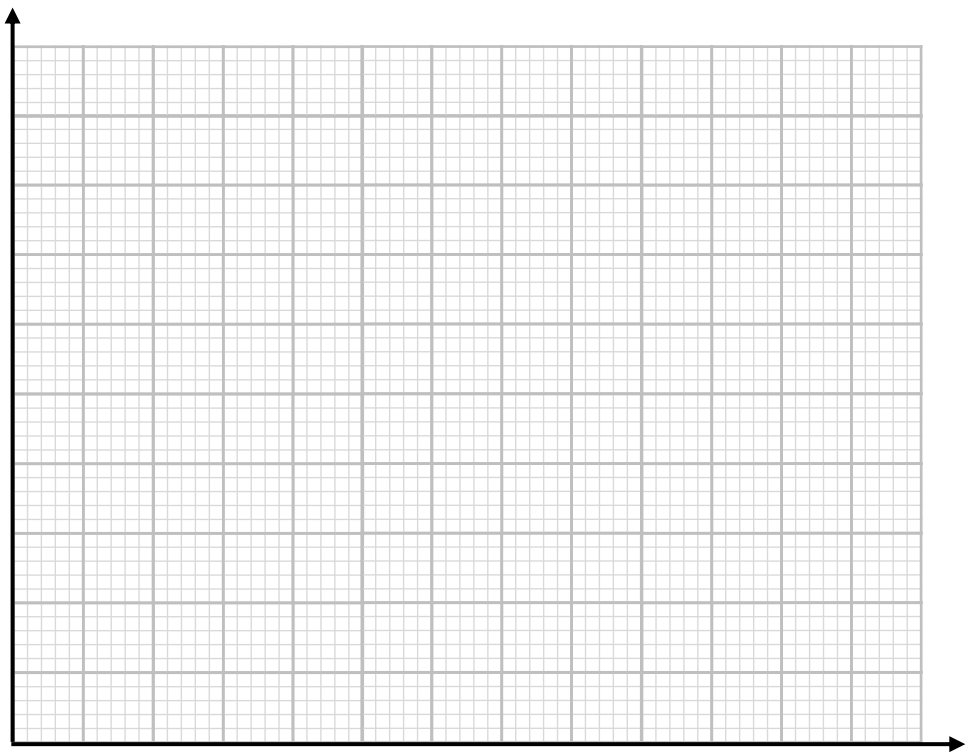


6

4 Here is some information about the times, in minutes, of 100 runners for 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

Draw a histogram to represent the information. **[3 marks]**

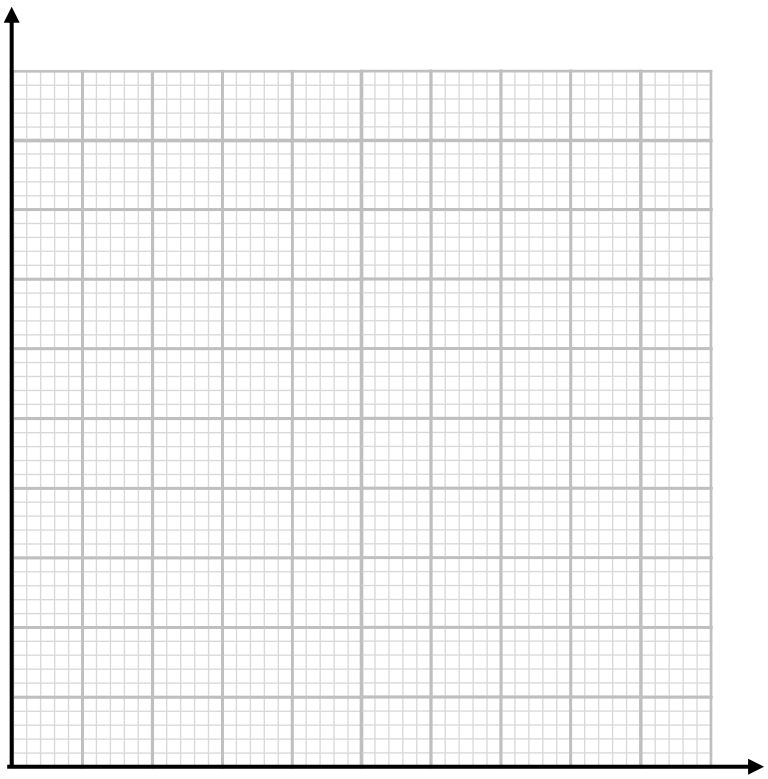


Solutions

5 Here is some information about the distance, in metres, of 40 long jumps.

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

Draw a histogram to represent the information. **[3 marks]**

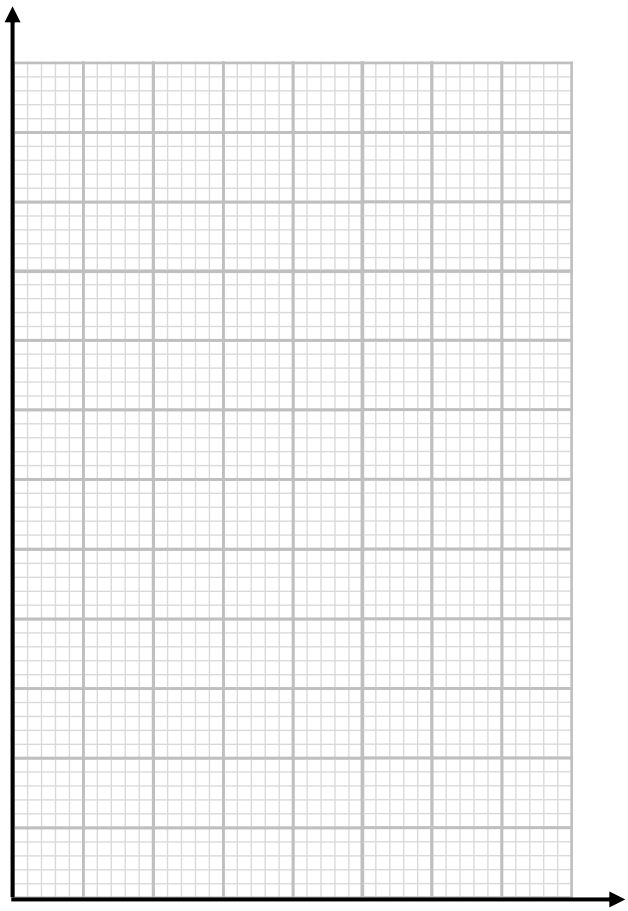


6

6 Here is some 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

Draw a histogram to represent the information. **[3 marks]**

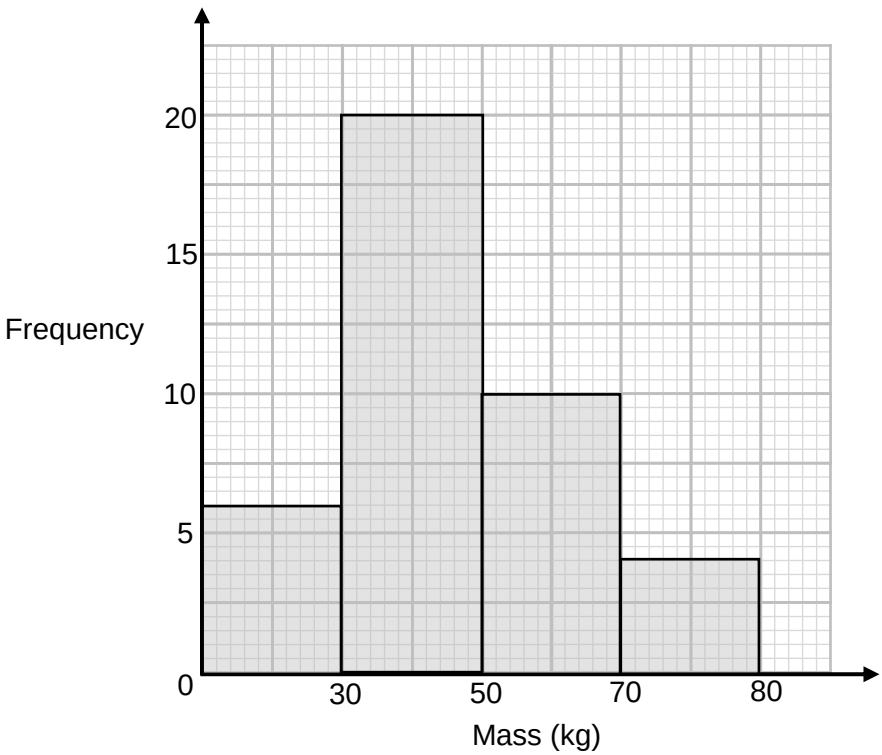


Solutions

7 Here is some information about the masses, 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 **[2 marks]**

Mistake 1 _____

_____

Mistake 2 _____

_____

5

Solutions