

# Drawing Histograms



SCAN ME



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REVISE THIS TOPIC

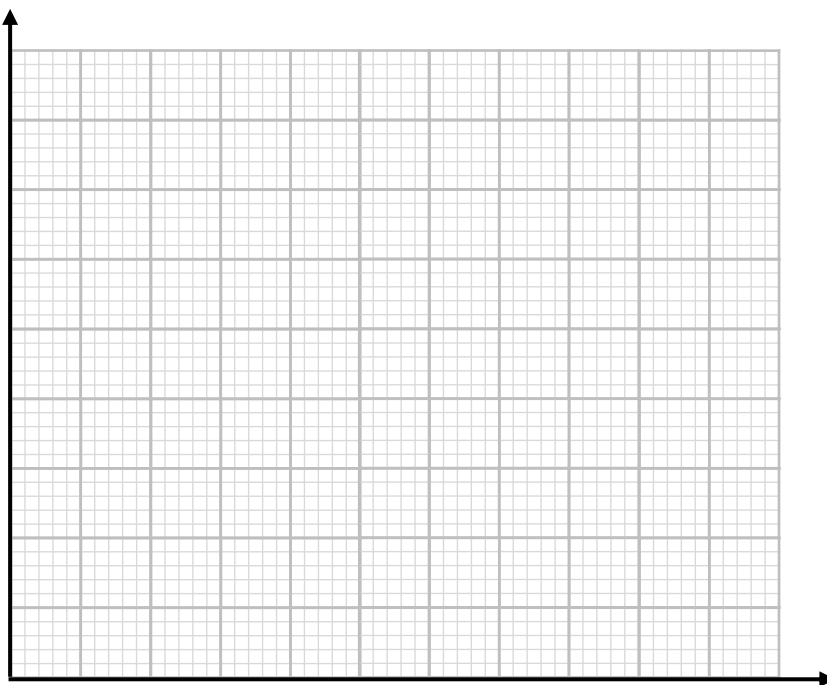
CHECK YOUR ANSWERS

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]

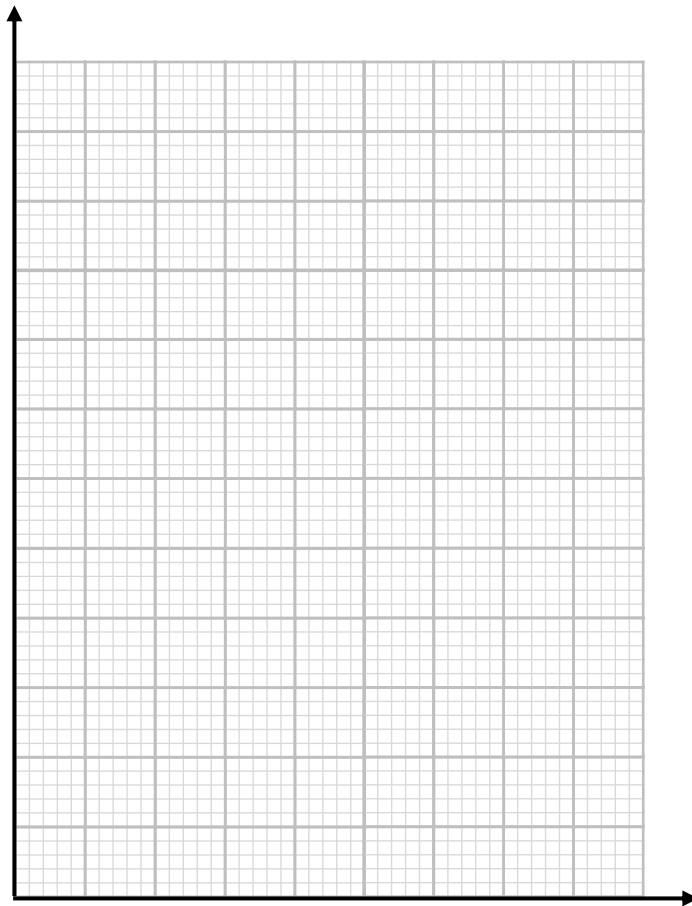


2 Here is some information about the speeds, in mph, of 50 vehicles.

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]

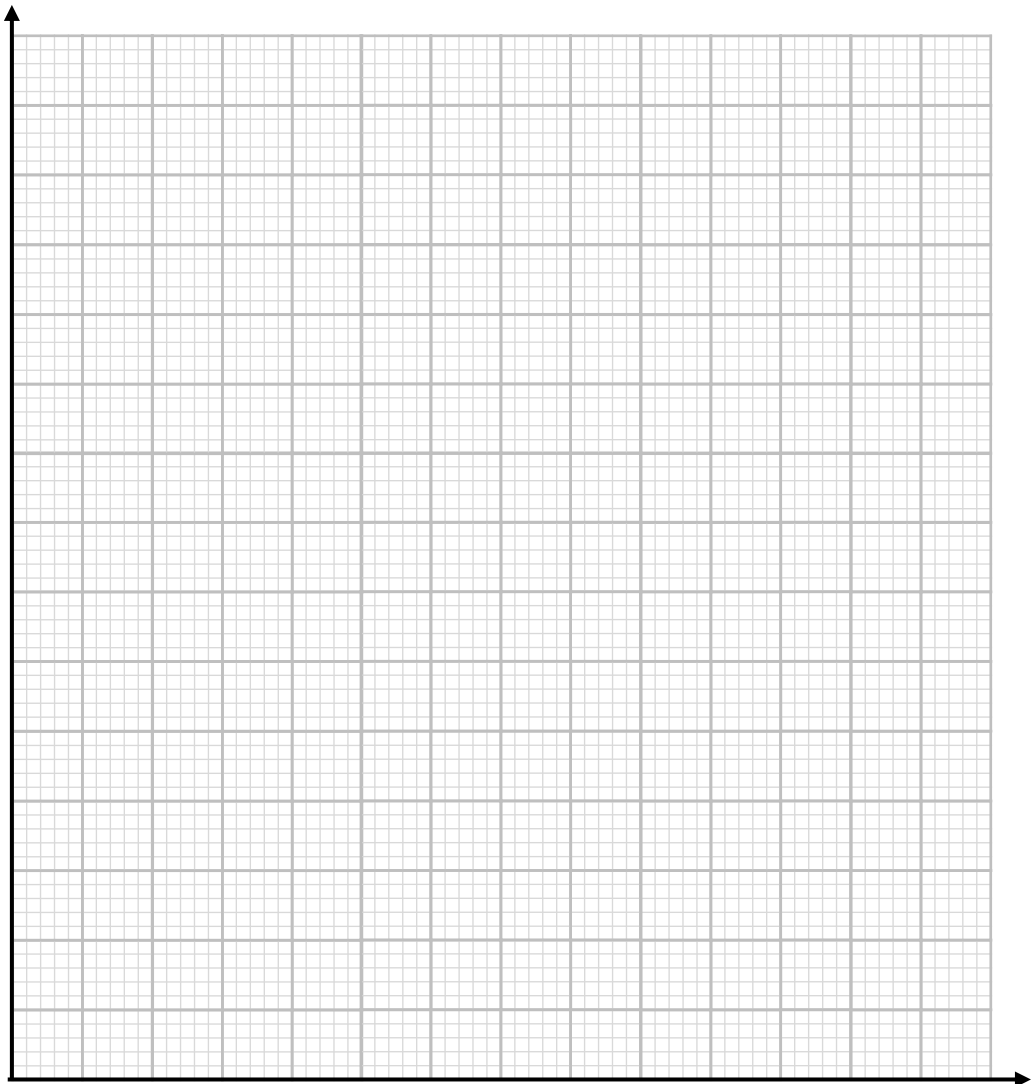


3 Here is some information about the ages of 100 people taking their driving test.

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]



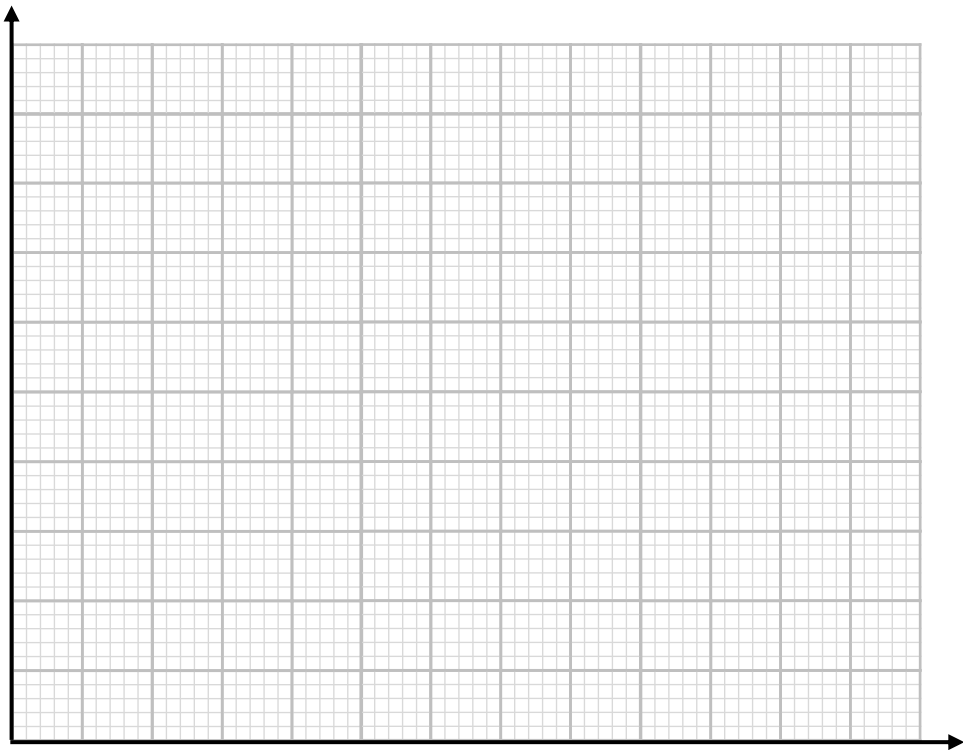


4 Here is some information about the times, in minutes, of 100 runners for a race.

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]

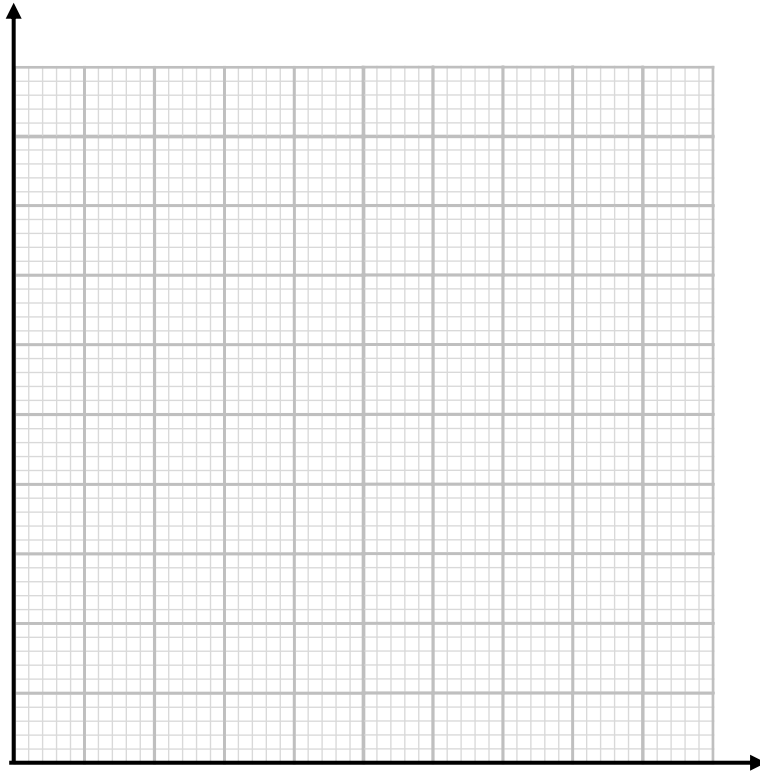


5 Here is some information about the distance, in metres, of 40 long jumps.

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]



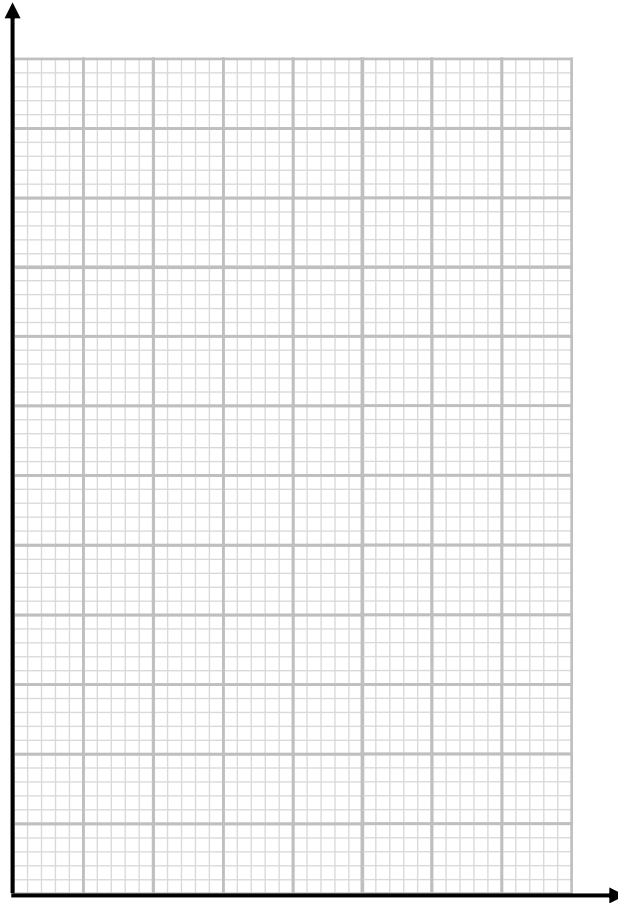


6 Here is some information about the heights, in metres, of 70 trees in a park.

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.

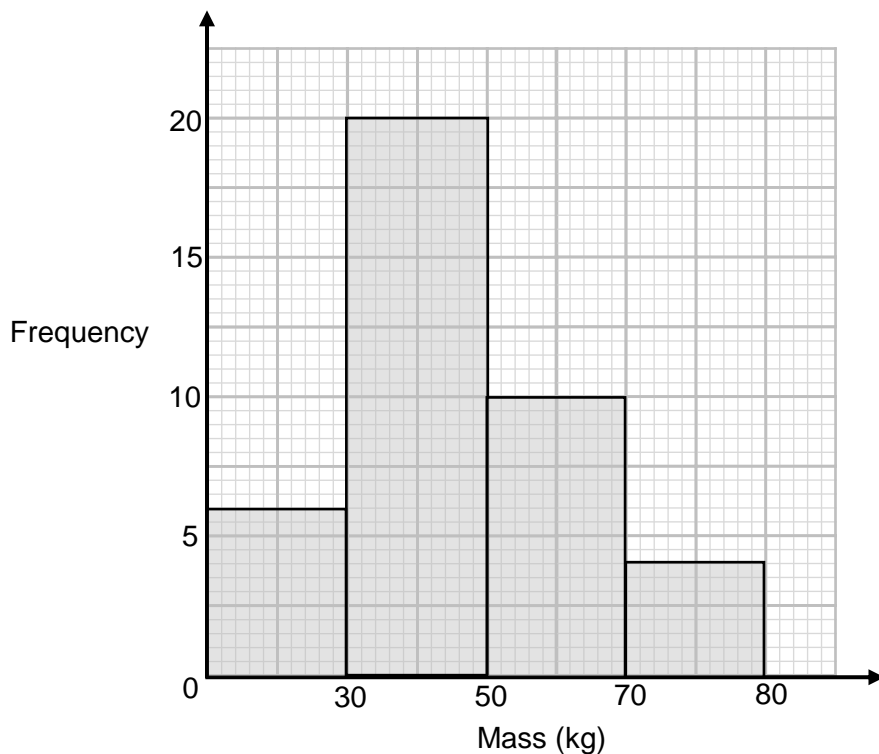
[3 marks]



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 \_\_\_\_\_

\_\_\_\_\_

$\frac{1}{5}$

