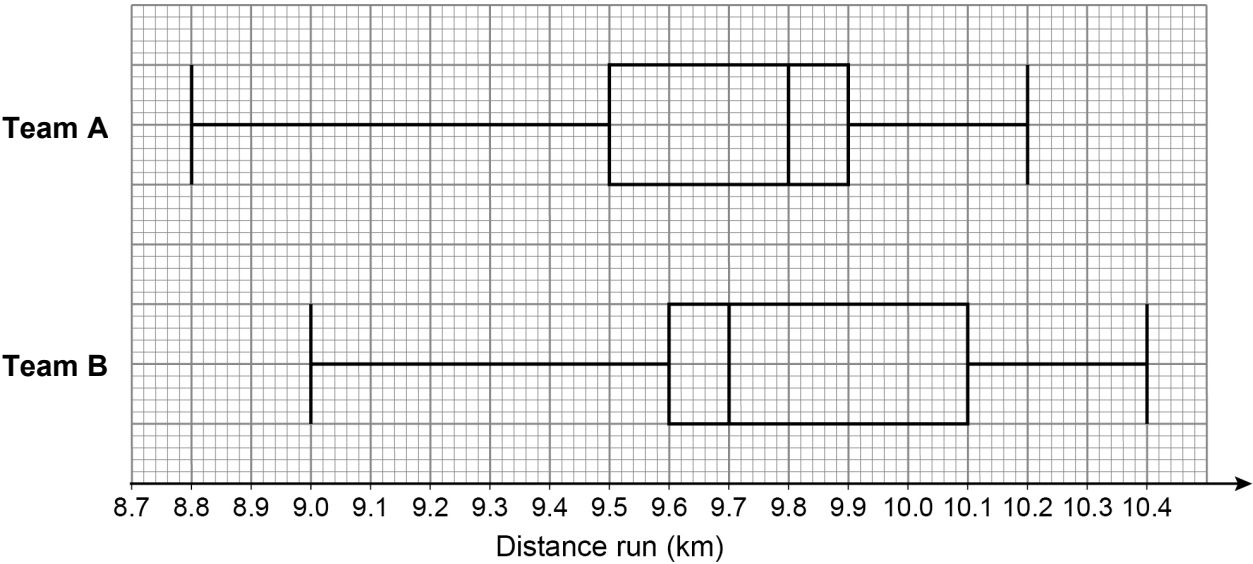


1 The box plots represent the distances run by the players in a football match.



1 (a) On average, which team's players ran further?  
Tick a box.

☐

Team A

☐

Team B

Give a reason for your answer.

[1 mark]

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1 (b) The players in Team A ran more consistent distances.  
How do the box plots show this?

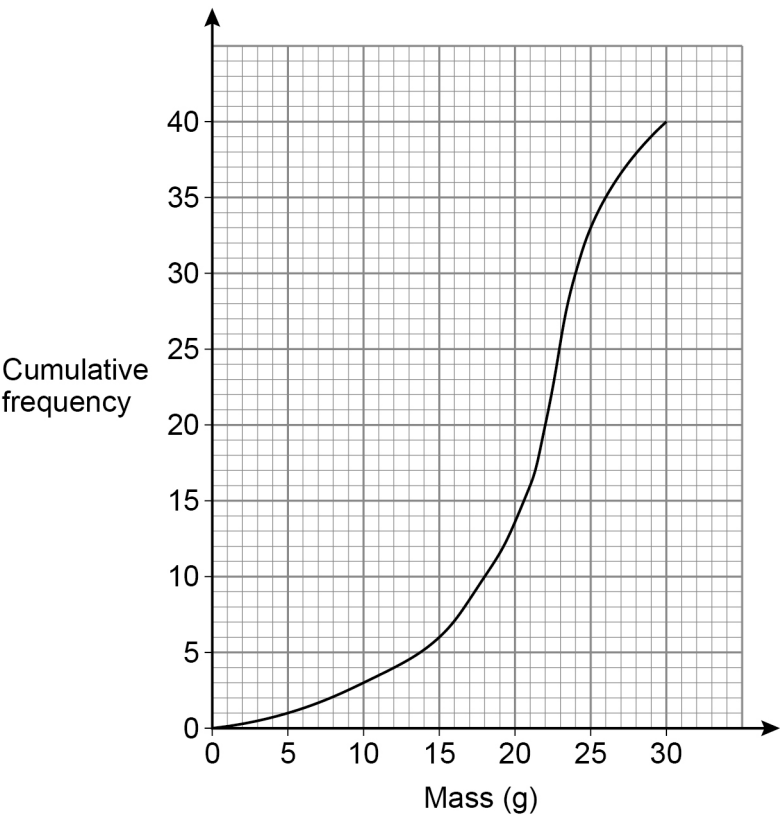
[1 mark]

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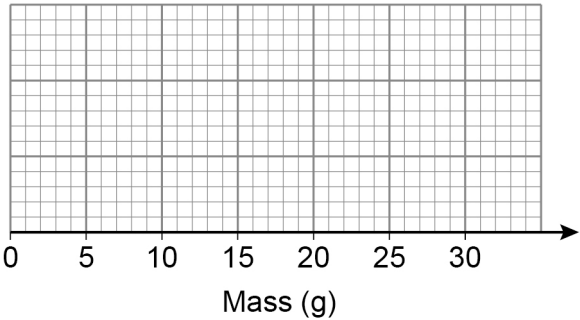
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2            The cumulative frequency graph represents the masses of 40 necklaces.

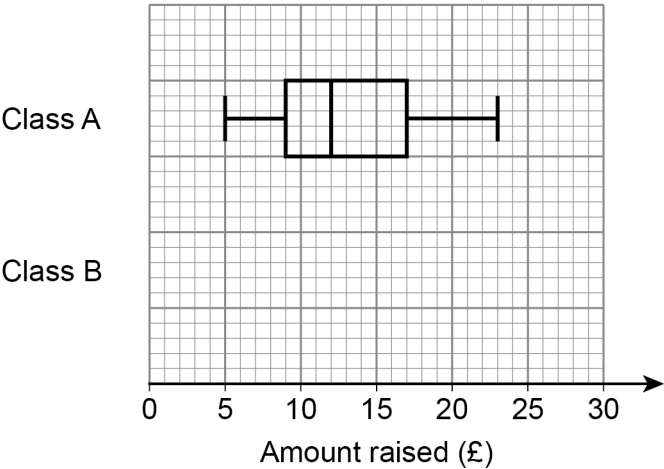


2 (a)        The lowest mass was 3 grams.  
              The highest mass was 28 grams.  
  
              Draw a box plot to represent the data.

[3 marks]



3       Students in two classes, A and B, raised money for charity.  
The box plot for class A is shown on the grid.



- For class B,
- the lowest amount was £3 and the highest amount was £26
  - the lower quartile was £11
  - the median was £2 greater than the class A median
  - the interquartile range was  $1\frac{1}{2}$  times greater than the class A interquartile range.

Draw the box plot for class B on the grid. [4 marks]

4 (a) The table shows information about the runners who did **not** complete the marathon.

	Distance run (miles)
Least distance	5
Greatest distance	23
Lower quartile	11
Median	18
Interquartile range	9

Draw a box plot to represent the information.

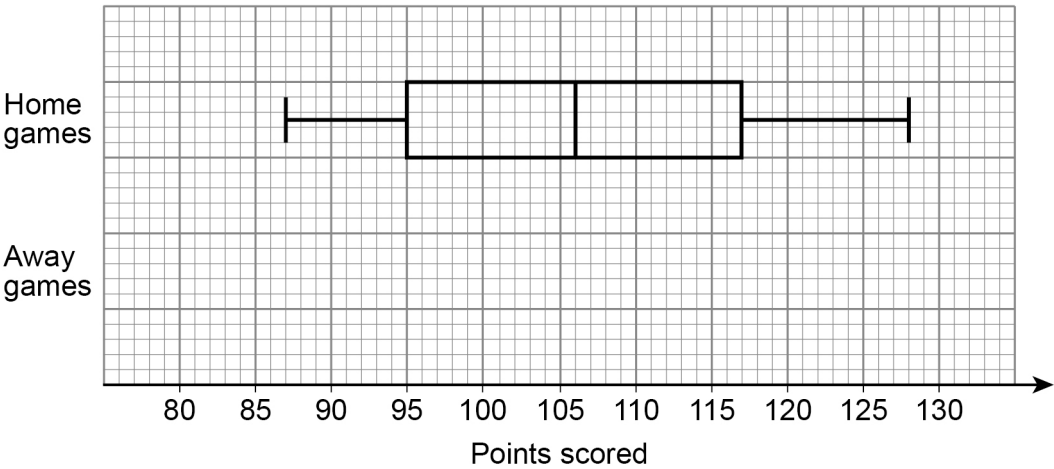
[3 marks]



5

A basketball team plays 19 home games and 19 away games.

The box plot shows information about the points the team scored in **home** games.



Here are the points the team scored in the 19 **away** games.

85899395969698989899

100103105107109110114119126

5 (a)

On the grid, draw a box plot for the away games.

[4 marks]

- 5 (b)** On average, did the team score more points in home games or away games?  
Use **one** statistical measure to support your decision.

**[1 mark]**

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- 5 (c)** Was the number of points scored more consistent in home games or away games?  
Use **one** statistical measure to support your decision.

**[1 mark]**

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6

Here is some information about the lengths, in cm, of leaves.

- Shortest length = 2.4
- Longest length = 9
- Upper quartile = 7
- Median length = 6
- Interquartile range = 3

Draw a box plot to show this information.

**[3 marks]**

