

Write your name here

Surname

Other names

In the style of:

Edexcel GCSE

Centre Number

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Candidate Number

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Mathematics A

Cumulative Frequency

Higher Tier

Past Paper Style Questions
Arranged by Topic

Paper Reference

1MA0/1H

You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser. Tracing paper may be used.

Total Marks



Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
– *there may be more space than you need.*
- **Calculators must not be used.**

Information

- The total mark for this paper is 100
- The marks for **each** question are shown in brackets
– *use this as a guide as to how much time to spend on each question.*
- Questions labelled with an **asterisk** (*) are ones where the quality of your written communication will be assessed.

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

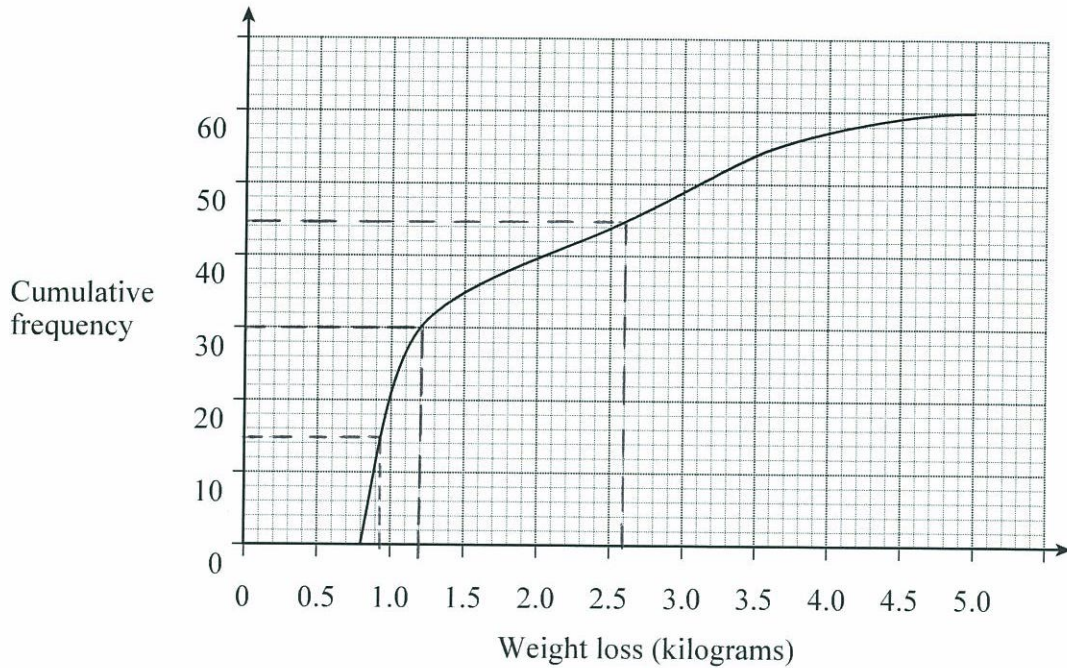
Turn over ►



1. Two groups of people are trying to lose weight.

(a) Group A join a gym.

The graph shows information about their weight loss after one month.



(i) How many people are in group A?

60

(1)

(ii) Does everyone in group A lose weight?

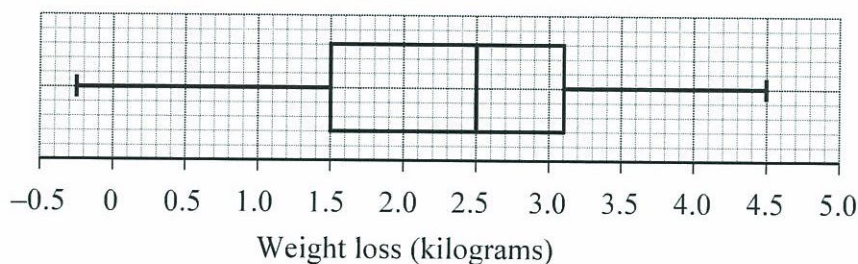
Write down how you decide.

Yes - the graph suggests that the minimum weight loss was no less than 0.8 kg.

(1)



- (b) Group B follow a diet.
The box plot shows information about their weight loss after one month



Does everyone in group B lose weight? Write down how you decide.

No - the minimum weight loss was -0.25kg which suggests a weight gain of 0.25kg (1)

- (c) Compare the weight loss of group A with group B.

	Group A	Group B
Median	1.2	2.5
Minimum	0.8	-0.25
Maximum	5	4.5
Range	4.2	4.75
Lower Quartile	0.9	1.5
Upper Quartile	2.6	3.1
Interquartile Range	1.7	1.6

The median weight loss for Group B was 1.3kg greater than that of Group A. Also, weight loss for Group B was more widely dispersed (5) and thus less consistent than Group A's weight loss.

(Total 8 marks)

