Paper Reference

1 3 8 0 / 3 H

Surname

Initial(s)

Signature

Paper Reference(s)

1380/3H

Edexcel GCSE

Mathematics (Linear) – 1380

Paper 3 (Non-Calculator)

Box Plots

Past Paper Questions

Arranged by Topic

Instructions to Candidates

In the boxes above, write your centre number, candidate number, your surname, initials and signature.
Check that you have the correct question paper.
Answer ALL the questions. Write your answers in the spaces provided in this question paper.
You must NOT write on the formulae page.
Anything you write on the formulae page will gain NO credit.
If you need more space to complete your answer to any question, use additional answer sheets.

Information for Candidates

The marks for individual questions and the parts of questions are shown in round brackets: e.g. **(2)**.
There are 26 questions in this question paper. The total mark for this paper is 100.
There are 24 pages in this question paper. Any blank pages are indicated.
Calculators must not be used.

Advice to Candidates

Show all stages in any calculations.
Work steadily through the paper. Do not spend too long on one question.
If you cannot answer a question, leave it and attempt the next one.
Return at the end to those you have left out.

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edexcel
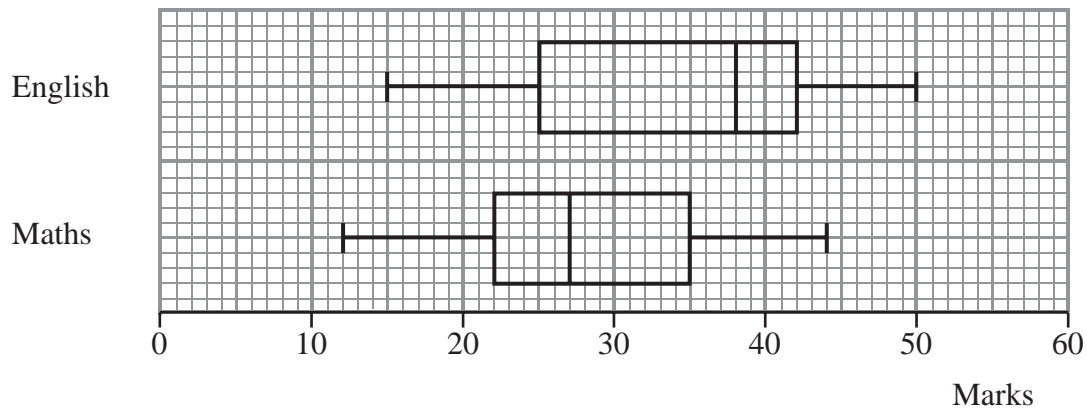advancing learning, changing lives

1. The box plots show the distribution of marks in an English test and in a Maths test for a group of students.

(a) What is the highest mark in the English test?

....

(1)

(b) Compare the distributions of the marks in the English test and marks in the Maths test.

1 ....

....

2 ....

....
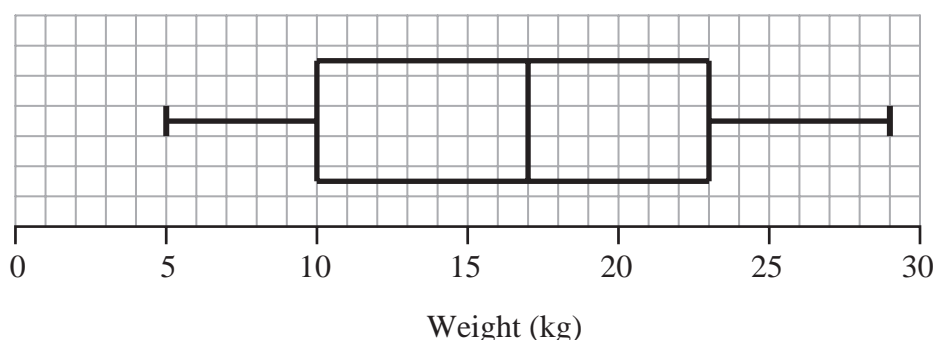
(2)

(Total 3 marks)

2. The box plot gives information about the distribution of the weights of bags on a plane.

Weight (kg)

(a) Jean says the heaviest bag weighs 23 kg.

She is **wrong**.
Explain why.

....

....
(1)

(b) Write down the median weight.

.... kg
(1)

(c) Work out the interquartile range of the weights.

.... kg
(1)

There are 240 bags on the plane.

(d) Work out the number of bags with a weight of 10 kg or less.

....
(2)

(Total 5 marks)

Q2

3. Mr Green measured the height, in cm, of each tomato plant in his greenhouse.
He used the results to draw the box plot shown below.
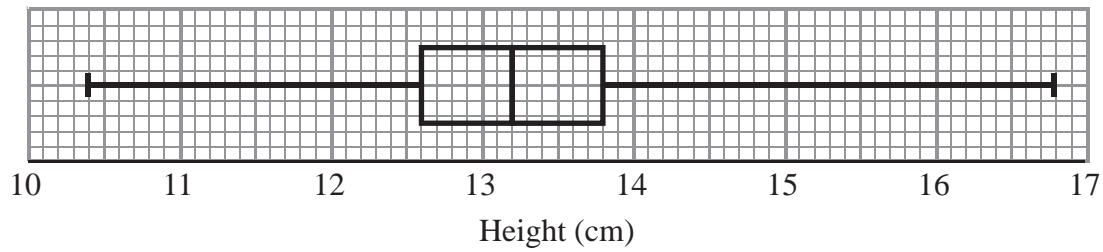
Height (cm)

(a) Write down the median height.

.................................cm
(1)

(b) Work out the interquartile range.

.................................cm
(2)

(c) Explain why the interquartile range may be a better measure of spread than the range.

....

....
(1)

(Total 4 marks)

4. The incomplete box plot and table show some information about some marks.
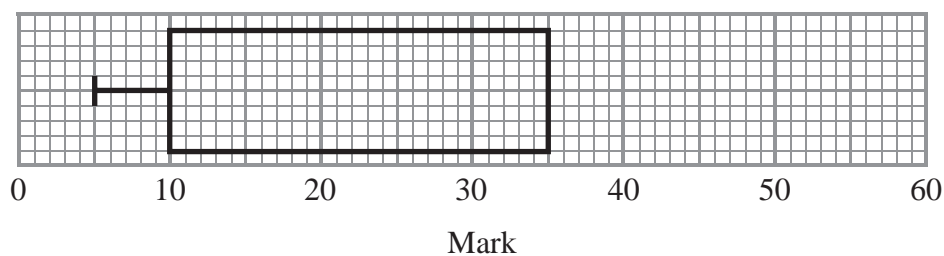
Mark

	Mark
Lowest mark	5
Lower quartile	
Median	30
Upper quartile	35
Highest mark	55

(a) Use the information in the table to complete the box plot.

(2)

(b) Use the information in the box plot to complete the table.

(1)

(Total 3 marks)

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