

Centre No.											Paper Reference	Surname	Initial(s)
Candidate No.									/			Signature	

Paper Reference(s)

Examiner's use only

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Team Leader's use only

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Edexcel GCSE

Mathematics

Unit 2 – Section B (Non-Calculator)

Data Handling

Higher Tier

Mock Paper

Time: 20 minutes



Materials required for examination

Ruler graduated in centimetres and millimetres, protractor, compasses, pen, HB pencil, eraser.
Tracing paper may be used.

Items included with question papers

Nil

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. 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 4 questions in this question paper. The total mark for this section is 15. There are 8 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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SECTION B

Answer ALL FOUR questions.

Write your answers in the spaces provided.

You must write down all stages of your working.

You must NOT use a calculator for this section.

1. Here are the lengths, in millimetres, of 15 fish.

154 166 180 173 153 175 168 161

180 156 164 158 162 164 173

- (a) Draw an ordered stem and leaf diagram to show this information.
You must include a key.

15			Key:
16			
17			
18			

(3)

- (b) Find the range of the lengths of these fish.

..... millimetres
(2)

(Total 5 marks)

Q1

Leave blank

2. Parminder carried out a survey of the cost, in pence, of a milkshake in 30 restaurants. The table gives some information about his results.

Cost (p pence)	Frequency
$80 \leq p < 90$	1
$90 \leq p < 100$	3
$100 \leq p < 110$	10
$110 \leq p < 120$	9
$120 \leq p < 130$	7

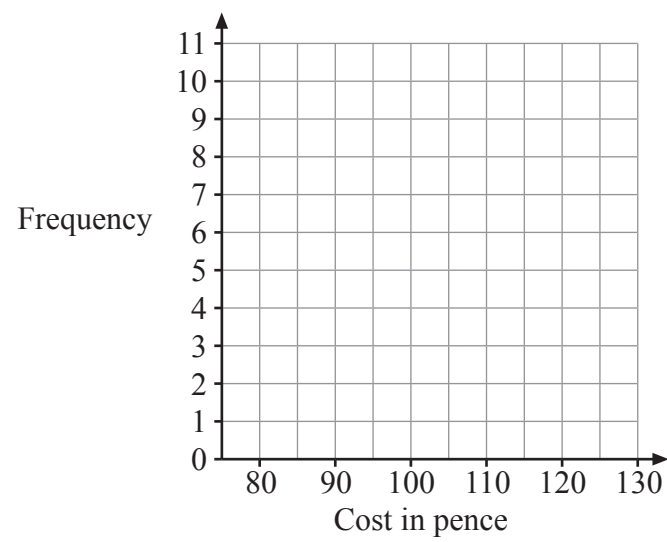
- (a) Write down the modal class interval.

.....
(1)

- (b) Write down the class interval which contains the median.

.....
(1)

- (c) On the grid, draw a frequency polygon to show the information in the table.

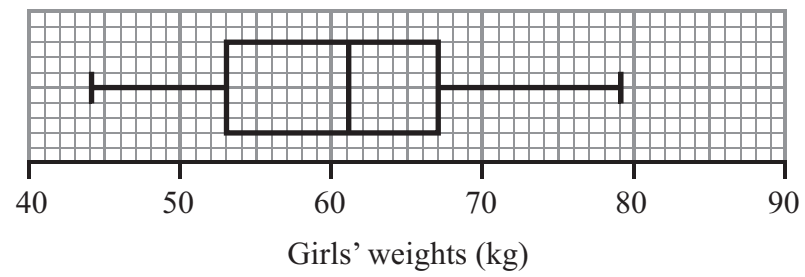
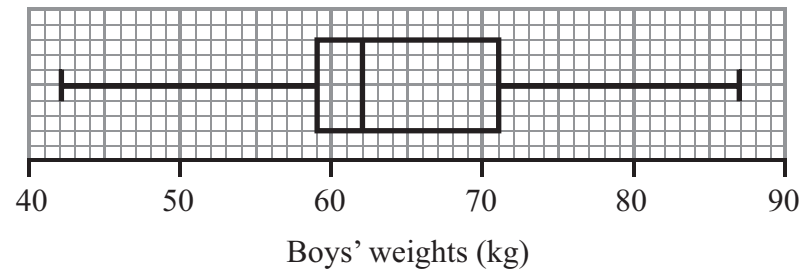


(2)
(Total 4 marks)

Q2

Leave blank

3. The box plots show some information about the weights of boys and girls in a class.



Compare the distributions of the boys' weights and the girls' weights.

.....

.....

.....

.....

Q3

(Total 2 marks)

Leave
blank

4. A bunch of 12 flowers has three types of flowers, tulips, daffodils and roses.

4 of the flowers are tulips.
3 of the flowers are daffodils.
5 of the flowers are roses.

James takes a flower at random from the bunch.
He **does not replace it**.
He then takes a second flower at random from the bunch.

Work out the probability that the two flowers will **not** be of the same type.

Q4

.....
(Total 4 marks)

TOTAL FOR SECTION B: 15 MARKS

TOTAL FOR PAPER: 30 MARKS

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