

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

Paper Reference(s)

Edexcel GCSE

Mathematics

Unit 1 – Section B – (Non-Calculator)

Data Handling

Foundation Tier

Specimen Paper

Time: 20 minutes



Examiner's use only

| | | |
|--|--|--|
| | | |
|--|--|--|

Team Leader's use only

| | | |
|--|--|--|
| | | |
|--|--|--|

| Materials required for examination | Items included with question papers |
|--|-------------------------------------|
| Ruler graduated in centimetres and millimetres, protractor, compasses, pen, HB pencil, eraser. Tracing paper may be used. | 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 4 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.

This publication may be reproduced only in accordance with Edexcel Limited copyright policy.
©2007 Edexcel Limited.

Printer's Log. No.

N25478A

W850/XXXX/57570 2/3/3/3/2/3/3



Leave
blank

SECTION B
Answer ALL FOUR questions.
Write your answers in the spaces provided.
You must NOT use a calculator for this section.
You must write down all stages of your working.

1. Luigi and Francesca carried out a survey of the vehicles passing their house. Here are their results.

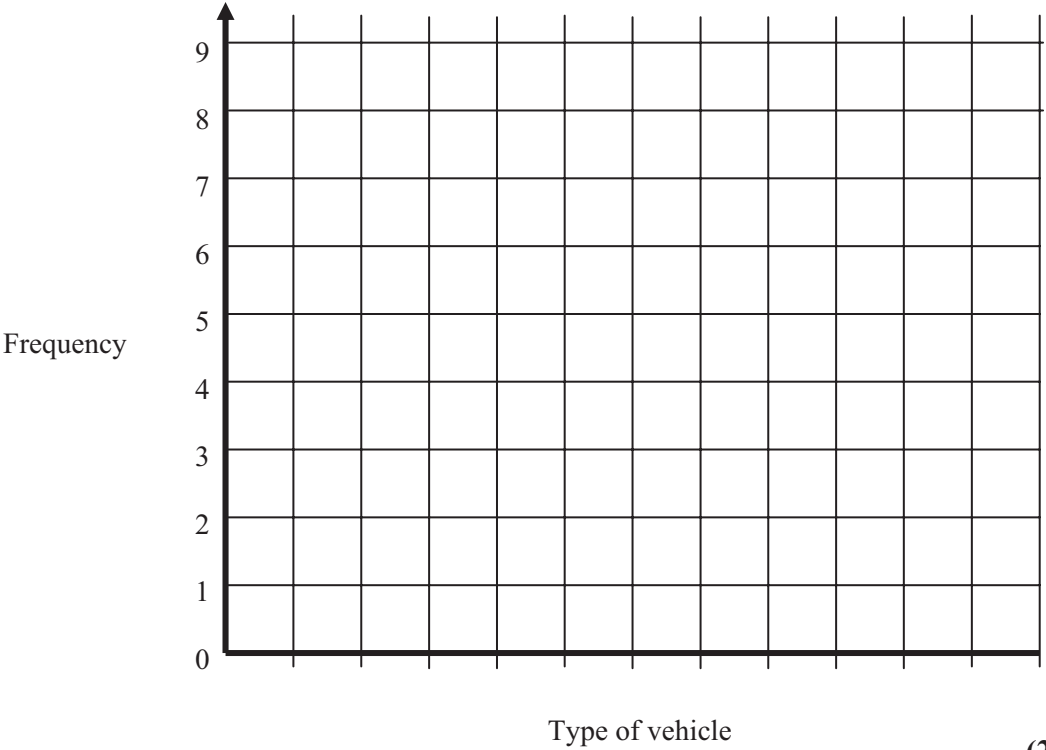
| | | | | | |
|------|------|-------|-------|-------|------|
| Car | Van | Lorry | Bike | Bus | Car |
| Van | Car | Car | Van | Lorry | Bike |
| Bike | Bike | Van | Lorry | Bike | Car |
| Car | Bus | Lorry | Car | Lorry | Bike |

- (a) Complete the tally column and frequency column in the frequency table.

| Type of vehicle | Tally | Frequency |
|-----------------|-------|-----------|
| Car | | |
| Van | | |
| Lorry | | |
| Bike | | |
| Bus | | |

(2)

- (b) Draw a bar chart for this data on the grid.



(2)

- (c) Which type of vehicle was most common?

.....
(1)
(Total 5 marks)

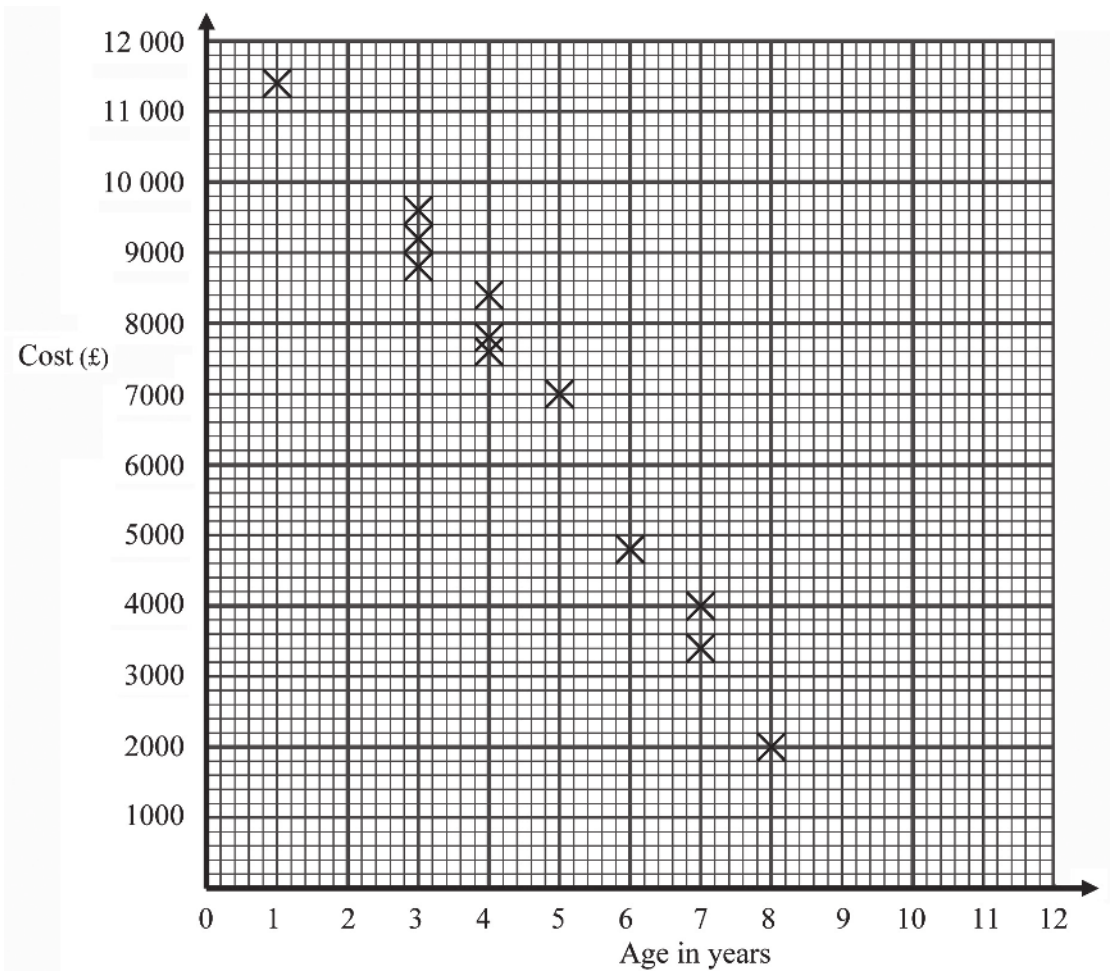
Q1



| | | | | | | | | | | | | | | | | | | | | | | |
|--|--------|-----------------------|--------|---------|-------|-------|--------|--|--|---|----|------|----|--|--|--|-------|--|----|----|----|-----------------------|
| <p>2. Phil rolls a dice and flips a coin once.</p> <p>Work out the probability that he gets a 6 and a head.</p> | | Leave blank | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| <p>.....</p> <p>(Total 3 marks)</p> | | <p>Q2</p> <div></div> | | | | | | | | | | | | | | | | | | | | |
| <p>3. 60 British students each visited one foreign country last week.</p> <p>This two-way table shows information about which countries the students visited.</p> <table border="1"><tr><td></td><td>France</td><td>Germany</td><td>Spain</td><td>Total</td></tr><tr><td>Female</td><td></td><td></td><td>9</td><td>34</td></tr><tr><td>Male</td><td>15</td><td></td><td></td><td></td></tr><tr><td>Total</td><td></td><td>25</td><td>18</td><td>60</td></tr></table> <p>(a) Complete the two-way table.</p> <p>One of the students is picked at random.</p> <p>(b) Write down the probability that this student visited Germany last week.</p> <p>.....</p> <p>(1)</p> <p>(Total 4 marks)</p> | | | France | Germany | Spain | Total | Female | | | 9 | 34 | Male | 15 | | | | Total | | 25 | 18 | 60 | <p>Q3</p> <div></div> |
| | France | Germany | Spain | Total | | | | | | | | | | | | | | | | | | |
| Female | | | 9 | 34 | | | | | | | | | | | | | | | | | | |
| Male | 15 | | | | | | | | | | | | | | | | | | | | | |
| Total | | 25 | 18 | 60 | | | | | | | | | | | | | | | | | | |



4. Tom collects information about the age and cost of some Ford Mondeo cars.
- He plots a scatter graph of his results. Here is his graph.



Tom collects data on 3 more Ford Mondeo cars.

| | | | |
|----------|--------|------|------|
| Age | 2 | 7 | 9 |
| Cost (£) | 10 000 | 3000 | 1000 |

- (a) Plot these points onto the scatter graph. (1)
- (b) Estimate the price of a car which is 9 years old.

..... (2)

(Total 3 marks)

Q4

TOTAL FOR SECTION B: 15 MARKS

END