

Centre No.						Paper Reference						Surname	Initial(s)	
Candidate No.						5	3	8	1	F	/	5	A	Signature

Paper Reference(s)

5381F/5A

Edexcel GCSE

Mathematics (Modular) – 2381

Paper 5 – Section A (Calculator)

Foundation Tier

Unit 1 Test – Data Handling

Monday 13 June 2011 – Morning

Time for Section A: 20 minutes

Examiner's use only

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Team Leader's use only

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Section	Leave Blank
A	
B	



Materials required for examination

Ruler graduated in centimetres and millimetres, protractor, compasses, pen, HB pencil, eraser, calculator. 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). This section has 4 questions. The total mark for this section is 15. The total mark for this paper is 30. There are 8 pages in this question paper. Any blank pages are indicated.

Calculators may be used for Section A only.

If your calculator does not have a π button, take the value of π to be 3.142 unless the question instructs otherwise.

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 A**Answer ALL FOUR questions.****Write your answers in the spaces provided.****You must write down all stages in your working.****You may use a calculator in this section.**

1. The table shows some information about six laptop computers.

Screen size (inches)	17	15.4	14	16	15.4	17
Processor speed (GHz)	2.0	2.2	2.13	2.0	2.0	2.15
Weight (kg)	3.5	2.8	2.4	3.4	2.9	3.0
Price	£549.99	£569.99	£579.99	£589.89	£592.31	£599.99

- (a) How many of these computers have a screen size greater than 15.5 inches?

.....
(1)

One of these computers has a screen size of 15.4 inches and a processor speed of 2.0 GHz.

- (b) What is the price of this computer?

£.....
(1)

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

..... kg
(2)



You need one of the computers from the table.

The computer must have

a screen size of at least 16 inches,
a processor speed greater than 2.0 GHz.

(d) How much will you have to pay?

£.....

(2)

Q1

(Total 6 marks)

2. The two-way table shows some information about the number of customers visiting a coffee shop.

	Monday	Tuesday	Wednesday	Total
Morning			19	57
Afternoon	27		29	
Evening		12		34
Total	54	67	61	

Complete the two-way table.

Q2

(Total 3 marks)



3. Lupin seeds can grow into pink or yellow or red or blue flowers.

The table shows the probability that a seed will grow into a pink or a yellow or a red flower.

Colour	pink	yellow	red	blue
Probability	0.30	0.25	0.30	

A seed is chosen at random from a packet of mixed lupin seeds.

Work out the probability that the seed will grow into a blue flower.

Q3

.....
(Total 2 marks)



4. A group of 30 students walked around a park for a charity event.
The table shows some information about the times they took.

Time taken (t minutes)	Frequency
$10 \leq t < 20$	3
$20 \leq t < 30$	10
$30 \leq t < 40$	13
$40 \leq t < 50$	4

Work out an estimate for the mean time taken.

..... minutes

(Total 4 marks)

Q4

TOTAL FOR SECTION A: 15 MARKS

END



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