

FOR OFFICIAL USE

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F

	KU	PS
Total Marks		

0560/401

NATIONAL
QUALIFICATIONS
2008

MONDAY, 12 MAY
9.00 AM – 10.00 AM

COMPUTING STUDIES
STANDARD GRADE
Foundation Level

Fill in these boxes and read what is printed below.

Full name of centre

--

Town

--

Forename(s)

--

Surname

--

Date of birth

Day Month Year

--	--	--	--	--	--	--

Scottish candidate number

--	--	--	--	--	--	--	--	--	--

Number of seat

--

Read each question carefully.

Attempt **all** questions.

Write your answers in the space provided on the question paper.

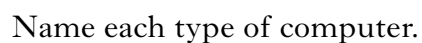
Write as neatly as possible.

Answer in sentences wherever possible.

Before leaving the examination room you must give this book to the invigilator. If you do not, you may lose all the marks for this paper.



(a) (i) Three types of computers are shown below.



X _____

Z _____

(ii) State the most appropriate type of computer (X, Y or Z) for each of the following situations. Use each type only **once**.

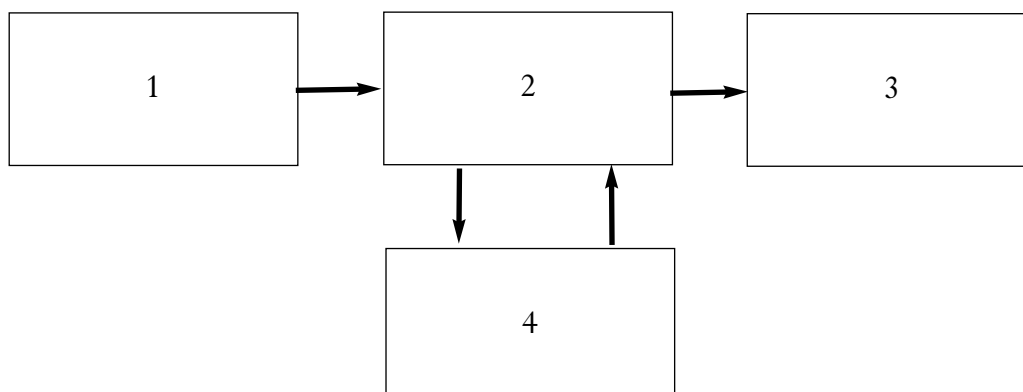
A George is editing his presentation while going to work on a train.

B Chantelle is walking around checking the stock levels on the shelves in a supermarket.

C Sadia is completing her Computing Coursework in a classroom.

1. (continued)

(b) A block diagram of a basic computer system looks like this.

*backing storage devices**output devices**processor**input devices*

Fill in the blanks using the above terms. Use each term only **once**.

- 1 _____
- 2 _____
- 3 _____
- 4 _____

(c) (i) State **two** input devices.

- 1 _____
- 2 _____

(ii) State **two** output devices.

- 1 _____
- 2 _____

(iii) State **two** backing storage devices.

- 1 _____
- 2 _____

4
3
2
1
0

2
1
0

2
1
0

2
1
0

[Turn over

KU	PS
1 0	
1 0	
1 0	
1 0	
1 0	

2. (continued)

(d) Choose from the following words to complete the sentences.

*motors**sensor**feedback*

(i) The robot detects the car moving into the correct position by using
a _____ .

(ii) The robot moves its arm up and down using _____ .

(e) Some of the workers at the car factory will be *retrained*.

Explain what is meant by retrained.

(f) The instructions that control the robots' actions can be held in either *RAM* or *ROM*.

(i) What does RAM stand for?

R_____ A_____ Memory

(ii) What does ROM stand for?

R_____ O_____ Memory

[Turn over

3. A school keeps track of the daily attendance.

	A	B	C	D	E
1		Daily	Attendance		
2		S1	S2	S3	Total
3	Mon	91	91	93	275
4	Tues	93	94	95	282
5	Wed	89	97	94	280
6	Total	273	282	282	

(a) Which application package is being used by the school?

Tick (✓) **one** box only.

spreadsheet ☐ graphics ☐ communication ☐

1
0

(b) Use the following words to complete the sentences.

Each word can be used only **once**.

value

text

formula

(i) Cell D6 contains a _____.

(ii) Cell B5 contains a _____.

(iii) Cell C1 contains _____.

3
2
1
0

(c) The way the information is displayed has been changed.

	A	B	C	D	E
1		Daily	Attendance		
2		S1	S2	S3	<i>Total</i>
3	<u>Mon</u>	91	91	93	275
4	<u>Tues</u>	93	94	95	282
5	<u>Wed</u>	89	97	94	280
6	<i>Total</i>	273	282	282	

Complete the following sentences to show what changes have been made.

(i) The word "Total" is now _____.

(ii) The heading "S3" is now _____.

(iii) The day "Tues" is now _____.

3
2
1
0

KU	PS
	2 1 0
	2 1 0
	2 1 0
	1 0

3. (continued)

- (d) State the formula in Cell B6

B6 = _____ .

- (e) The value in cell D4 is changed from 95 to 99.

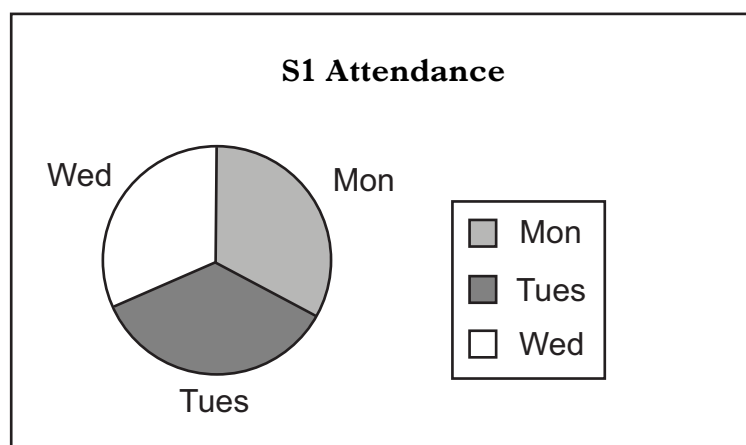
Which **two** other cells will change automatically as a result of D4 changing.

1 _____ 2 _____

- (f) The school have decided to add the fourth year details to the table.

Describe how this will be done.

- (g) Figures for the S1 attendance are displayed in a chart.



What feature of the package is used to create this?

[Turn over

KU	PS
1 0	
	2 1 0
	1 0
	1 0

4. Callum works in a car showroom. All the information about the cars is held on computer in the showroom.

- (a) He uses the computer to search for details about the cars.

State the type of application he is using.

- (b) State **two** advantages for Callum of keeping the car information stored on the computer rather than on a manual system.

1 _____

2 _____

- (c) Callum cannot remember which files he has stored on his computer's hard disk. He uses his computer to find out.

What should Callum look at to find out which files are on his disk?

Tick (✓) **one** box only.

a field

☐

a record

☐

a directory

☐

- (d) There are 67 cars in the showroom. Details of one of the cars is shown below.

Car	ADUIE
Model	SE
Colour	Blue
Number of Doors	3
Price	£17,950

- (i) How many *records* are there in the *file*? _____

- (ii) How many *fields* are in the record above? _____

A bar code is shown below.



-

2 _____

-

2 _____

- State **two** advantages of shopping from home.

2 _____

10

- ## What is a network?

- 10**

wide-area network

11

local-area network

--	--

- 2**
1
0

1 _____

2 _____

[0560/401]

-
- A cartoon illustration of a white juice carton with a grey side panel. On the front panel, the words "COOL" and "JUICE" are printed in a bold, black, sans-serif font. A trail of bubbles, represented by circles of varying sizes, starts from the top of the word "COOL" and curves upwards and to the right, ending above the word "JUICE".

-
-
-

- 1 _____
- 2 _____
- 3 _____

-

(d) The new logo was used in the company's stationery.
The steps that were taken are shown below.
Enter the number 1–5 in the boxes to show the correct order.
One has been done for you.

Save the document	
Close the word processing package	
Print the document	4
Insert the logo in the document	
Load the word processing package	

[END OF QUESTION PAPER]

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