The questions on this worksheet have been taken from the OCR GCSE Computing January 2011 Paper

6-A-Day – Computer Science GCSE (8)

Q1

Describe what is meant by

3MHz CPU

.....

.....

.....

..... [2]

quad-core CPU

.....

.....

.....

..... [2]

Q2

A small business has three stand-alone computers, a printer and an internet connection in an office.

(a) State **two** advantages of connecting the computers to create a local area network.

1

.....

.....

2

.....

..... [2]

Q3

Calculate the denary value of the 8-bit binary number 10010111.
You must show your working.

..... [2]

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Q4

A desk-top computer's memory includes ROM and RAM.

Tick **one** box in each row to show whether each of the statements is true for ROM or RAM.

	ROM	RAM
Programs and data which are currently in use are loaded here.		
All the contents are lost when the power is turned off.		
It is used to boot up the computer when it is switched on.		

[3]

Q5

Karen wants to use handheld computers to take customers' orders in her restaurant. She is thinking of using custom written, open source software.

(a) State what is meant by custom written software.

.....

..... **[1]**

(b) State **two** reasons why Karen may decide to use custom written software.

1. .....

.....

2. .....

..... **[2]**

Q6

A teacher uses a database to store the marks of pupils from all year 9 classes.

(a) PUPIL and CLASS are two entities used in this database.

Explain the term entity.

.....

.....

.....

..... **[2]**