# 6-A-Day – Computer Science GCSE (18)

| Q1 | • Multiply by 1024/1000<br>• 2048/2000 (GB) | 2 |
|---|---|---|
| Q2 | Eg<br>• Allows more than one program to run (apparently) at the same time<br>• ... by sharing processor time / resources between the programs<br>• Enables the user to be more productive<br>• ... Good example of a situation where multitasking is required (eg cut from browser and paste in word processor)<br>(1 mark for valid point & 1 for expansion) | 2 |
| Q3 | e.g.:<br>• Providing a user interface<br>• Providing a platform for applications<br>• Memory management<br>• File/disk management<br>Peripheral management / providing a platform for hardware | 2 |

| | | |
|---|---|---|
| Q4 | • A <u>name/symbol</u> which represents a value in a program<br>• ... points to a memory location<br>• ... and the value be changed (while the program is running) | 2 |
| Q5 | ORIGIN<br>• Data type: String<br>• Reason: Consists of characters<br><br>Accept equivalent data types (for string: text, char, alphanumeric etc, for integer: byte, long, int etc.. but not number)<br><br>Do not award a correct reason referring to a wrong data type e.g. Because you can't have half sizes, it must be real. | |
| Q6 | Size<br>• Data type: Integer<br>• Reason: Consists of <u>whole</u> numbers<br><br>Accept equivalent data types (for string: text, char, alphanumeric etc, for integer: byte, long, int etc.. but not number)<br><br>Do not award a correct reason referring to a wrong data type e.g. Because you can't have half sizes, it must be real. | |