Name: Class: Mark:

1. A sequence of steps that solve a computational problem is known as what?

Tick the correct answer. [1]

* **A** A recipe
* **B** An algorithm
* **C** A menu
* **D** A loop

2. When a REPEAT statement is inside another REPEAT statement, what is this called?

Tick the correct answer. [1]

* **A** A bird loop
* **B** A worm
* **C** A nested loop
* **D** An algorithm

3. Rewrite the following algorithm using one REPEAT statement. [2]

Down  
Up  
Down  
Up  
Down  
Up

4. Look at the maze shown below.

|  |  |
| --- | --- |
| A picture containing calendar  Description automatically generated | **Available instructions:**  **Right Left Up Down  REPEAT *number*** |

Using only the instructions above, create a program to navigate through the maze to   
the exit. Make use of as many REPEAT statements or nested loops that are required   
to make the program as short as possible. [6]

|  |  |  |
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[Total 10 marks]