©2024 Chris Nielsen – www.nielsenedu.com

1. Given the following pseudocode, draw the corresponding flowcharts. The flowchart must not only produce the correct answer, it must follow the exact same algorithm.

```
// Main Program
RECEIVE n FROM keyboard
SET value TO factorial(n)
SEND value TO DISPLAY

REPEAT
SET ans TO ans * i
SET i TO i + 1
UNTIL i > limit

RETURN ans
END FUNCTION
```

GCSE Computer Science – Unit 1	English Name:	Class:
Worksheet: Review. Part 3	©2024 Chris Nielsen – www.nielsenedu.com	

2. Give the flowchart and pseudocode for an algorithm that inputs a number from the user, then calls a subprocess, called Sum, that calculates the sum of all numbers from zero up to and including that number, and finally outputs the resulting sum. Show the flowchart and pseudocode for both the main process and the subprocess. Consider whether your loop will use a WHILE or a REPEAT statement. You can assume the user enters a whole number (no validation of input required).