

Task 2	Answer	MAX 9
	<p>Brackets+Bold text indicate other accepted Pseudocode.</p> <p>Accept i,j,k for loops, accept any other meaningful variable name.</p> <p>Amendments to check for zero entered or divide by zero error (and any further validation) accepted not expected.</p> <p>Line numbers not necessary Ignore indentation or lack of it. Ignore type/casting problems.</p> <p>Accept alternative solutions as long as they provide the same result.</p> <p>Accept some logical check on the continuous loop to end if an error/rogue value is encountered. (Accepted not expected.)</p> <p>Ignore typecasting issues.</p> <p>Declare currentTemp as real Declare meanTemp as real Declare totalTemp as real Declare noOfReadings as integer</p> <p>For noOfReadings = 1 to 12</p> <p>output "Input current water temperature in degrees Celsius:"</p> <p>input currentTemp</p> <p>output currentTemp</p> <p>if currentTemp > 29 then output "Warning: Water temperature too high" end if</p> <p>if currentTemp < 26 then output "Warning: Water temperature too low" end if</p> <p>totalTemp = totalTemp + currentTemp</p> <p>meanTemp= totalTemp/ noOfReadings</p>	<p>Condone no declarations</p> <p>1 mark (concept of loop)</p> <p>1 (input to a variable) 1 (output currentTemp)</p> <p>1 (if >29)</p> <p>1 (if <26)</p> <p>1 (calculate</p>

	<pre>output "New mean water temperature:" + meanTemp Next noOfReadings End</pre> <p>The solution provides <u>all</u> correct outputs</p>	<p>correctly mean temperature)</p> <p>1 (Output the mean temperature)</p> <p>1(output literal)</p> <p>1 mark</p>
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