

Name: _____ **Student No** _____

<p>Bereken die faktoriaal van n. Dit word wiskundig bereken as $n*(n-1)*(n-2)*....*1$.</p> <p>Die faktoriaal van $1 = 1 = (1)$</p> <p>Die faktoriaal van $2 = 2 = (2*1)$</p> <p>Die faktoriaal van $3 = 6 = (3*2*1)$</p> <p>Jy moet die faktoriaal van n rekursief (sonder lusse) bereken:</p> <p>Voltooi die kode: (5)</p>	<p>Compute the factorial of n. It is computed mathematically as $n*(n-1)*(n-2)*....*1$.</p> <p>The factorial van $1 = 1 = (1)$</p> <p>The factorial van $2 = 2 = (2*1)$</p> <p>The factorial van $3 = 6 = (3*2*1)$</p> <p>You have to compute the factorial of n recursively (without loops) :</p> <p>Complete the code: (5)</p>
<pre>public int factorial(int n) { // Base case: if n is 1, we can return the answer directly if (n == 1) return 1; ✓✓ return n * factorial(n-1); ✓✓✓ }</pre>	