



Question				Answer
A programmer has been given a set of data as a 2D array:				***There are always different ways to solve a problem. This algorithm is just an example. What is important is that the logic is correct!***
				LOGIC:
34	54	22	32	<ul> <li>Declare a 'total' variable and assign it the value zero</li> <li>Create a FOR loop for traversal of each array inside the array</li> <li>Create another FOR loop inside the first, for traversal of each item within each of those arrays</li> <li>Use the correct indexing for accessing each item and add it to the total</li> </ul>
63	23	41	23	
62	42	16	45	
35	54	44	45	
	1	1	1	•Display the total at the end
Write an algorithm in pseudocode which:				EXAMPLE ALGORITHM:
<ul> <li>adds each item up</li> <li>prints the total to the screen</li> </ul>				total = 0 for row = 1 - 4 for column = 1 - 4 total = total + array[row, column] next column next row print(total)
				The array itself would be coded as:
				Array = [ [34,54,22,32], [63,23,41,23], [62,42,16,45], [35,54,44,45] ]