5.	(a)	(iii)	See possible algorithm below.	4	Award 1 mark for loop needed to process each LA average (loop of 32) Award 1 mark for traversing readingsArray to find each occurrence of unique local authority names Award 1 mark for updating of counter to record number of readings for each local authority. Award 1 mark for calculation of average with rounding to the nearest integer. Note: no mark should be awarded for the use of the INT function.
			1. for loop1 = 0 to 31 do 2. set total = 0 3. set average = 0 4. set count = 0 5. for loop2 = 0 to 499 do 6. if rainfallArray[loop1].local= readingsArray[loop2].authority then 7. set total = total + readingsArray[loop2].rainfall 8. set count = count + 1 9. end if 10. end loop 2 11. set average = round(total / count) 12. set rainfallArray[loop1].averageRainfall = average 13. end loop 1		
			Note: Candidates need to: Initial total and number of readings Traverse the readingsArray to find unique LA names Add the matching rainfall figure to the running total Update number of readings found Calculate and round the average Store in the rainfallArray array		