

Algorithm

1. Start
2. Assign value 0 to variable counter, sum.
3. Assign value 1 to variable repeat, avg, product.
4. Assign value -999999 to variable largest.
5. Assign value 999999 to variable smallest.
6. If repeat == 1, go to step 7. Otherwise, go to step 17.
7. Read a number, store in number.
8. If largest < number, go to step 9. Otherwise, go to step 12.
9. Store number in largest.
10. If smallest > number, go to step 11. Otherwise, go to step 12.
11. Store number in smallest.
12. Compute sum ($= \text{sum} + \text{number}$), store in sum.
13. Compute product ($= \text{product} * \text{number}$), store in product.
14. Compute counter ($= \text{counter} + 1$), store in counter.
15. Read a number, store in repeat.
16. Go back to step 6.
17. Compute average ($= (\text{sum} * 1.0) / \text{counter}$), store in avg.
18. Display "Sum is ", sum.
19. Display "Average is ", avg.
20. Display "Product is ", product.
21. Display "Smallest is ", smallest.
22. Display "Largest is ", largest.
23. Stop.

Flowchart

