6 An incomplete algorithm has been written in pseudocode to count the number of values stored in an array and to find their average.
Values have been stored in the array starting at `A[1]`
All the values to be counted are non-zero.
A value of zero in the array indicates there are no more values stored.

```
01 DECLARE A : ARRAY[1:50] OF INTEGER

02 DECLARE C : INTEGER

03 DECLARE W : INTEGER

04 DECLARE X : INTEGER

05 W ← 0

06 C ← .....

07 WHILE A[C] <> 0

08     W ← .....

09     C ← C + 1

10 ENDWHILE

11 X ← .....
```

(a) Complete the given pseudocode algorithm. [3]

(b) Write pseudocode to display, with suitable messages:

- the number of values stored in the array
- the average of those values stored.

.....

.....

.....

.....

.....

..... [3]

(c) Meaningful identifiers have **not** been used in this algorithm.

Suggest suitable meaningful identifiers for:

The array

A .....

The variables

C .....

X .....

W .....

[3]