

6. An algorithm is required to help scientists monitor the level of a pollutant in a river. They take four readings of the level of pollutant in the river then use a computer to analyse the data. The value of each reading will be an integer in a range from 1 - 10.

The algorithm should:

- accept the input of each reading
- output the total of all the numbers entered
- output the mean of all the numbers entered
- output the largest number entered
- output the smallest number entered

An example of the *input* and output required is shown below.

Enter reading: **6**

Enter reading: **3**

Enter reading: **2**

Enter reading: **4**

Total: 15

Mean: 3.75

Largest: 6

Smallest: 2

Write an algorithm to meet these requirements. Enter your algorithm into the electronic answer document. [6]