

Problem Solving Challenge 6

With a partner, use the problem solving approach covered on day 1. Write out an algorithm on paper along with hand calculations to determine expected output.

Lowest Score Drop

Write an algorithm that calculates the average of a group of test scores, where the lowest score in the group is dropped. Divide and conquer the problem by writing separate algorithms that will:

- Get the score and validate it (test scores 0-100).
- Find which is the lowest of the 5 scores so it can be dropped
- Average the four highest scores

Code it using functions

- void GetScore()—use a reference parameter variable to store the value from the user input
- void CalcAverage()—displays the average of the 4 highest scores out of the 5 scores that are passed in.
- int FindLowest() —called from calcAverage and returns the score to be dropped from the 5 scores passed in.