*Homework Task 1: Write an algorithm to determine a student’s final grade and indicate whether it is passing or failing* *The final grade is calculated as the average of four marks (Math, Science, History, English).* *The grade can be a number between 1 and 5 and the student should have at least 3 as an average grade to pass.*

*Answer:*

Pseudocode

1. Begin
2. Math grade m1, Science grade m2, History grade m3, English grade m4, sum, divide
3. Output (“Input Math grade m1”)
4. Input m1
5. Output (“Input Science grade m2”)
6. Input m2
7. Output (“Input History grade m3”)
8. Input m3
9. Output (“Input English grade m4”)
10. Input m4
11. Divide with 4 the sum of m1,m2,m3,m4
12. m1+m2+m3+m4/4
13. Output result
14. If result > 3, passing final grade
15. If result < 3, failing final grade
16. End

*Homework Task 2: Write an algorithm to determine the result of the multiplication of two numbers by ONLY using the + (addition) operator.* *Let's say we have two numbers (7 and 5) and we want to get the result of their multiplication but we are not allowed to use \* operator but only the + operator.*

Pseudocode

1.Begin

2. Number s1, s2, sum

3.Output (“Input number 1)”

4.Input s1

5.Output (“Input number 2”)

6.Input s2

7.Sum s1, s2 times

8. Output sum

9.End