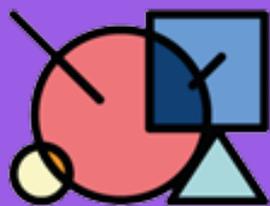




# MICRO TASKS



S4B



**Note to user:** After familiarizing with each video pill, the user will be provided with the opportunity to perform several tasks/activities/games in order to practice and further develop the respective skill.

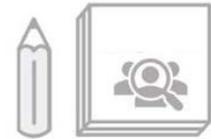
## SKILL

### SOLVING PROBLEM

## MICRO TASK NUMBER 1

### Divide and conquer

#### 01 What are the objectives of the task?



The divide and conquer exercise consists of decomposing the problem into a set of smaller subproblems. These subproblems are then solved and the solutions are combined to obtain the solution to the original problem. Breaking down the problem into smaller ones makes it easier to organise, understand and deal with the problem. With this organisation it is easier to detect errors, correct them and deal with the problems.

#### 02 What will teachers learn?



The teacher will learn a way to deal with large problems, and learn to do so by breaking a large problem into small problems. This division of the large problem into subproblems will help to:

Increase the probability of success



Increasing the calmness and confidence of the teacher, who will tend to feel overwhelmed when faced with problems of excessive magnitude.

## 03 Tasks and procedure



When as a teacher you are faced with a large difficulty and you are trying to solve a large and difficult problem, you can try to apply the divide and conquer technique:

### **Step 1**

**ESTABLISH THE PROBLEM**

### **Step 2:**

**BREAK DOWN A PROBLEM INTO A SET OF SMALLER SUB-PROBLEMS**

### **Step 3:**

**ESTABLISHES AN ACTION PLAN FOR EACH SUB-PROBLEM**

### **Step 4:**

**SOLVE THESE SUBPROBLEMS**