

1. SYSTEM OF LINEAR EQUATIONS

Think on the following situation:

In a coffe-shop we paid 14,50 € for 4 orange juices and 3 salads. The following day, in the same place, we paid 13,75 € for 5 orange juices and 2 salads.

- a) What are the steps needed for calculating the prices of the orange juice and the salad? (use the reduction method).

- b) Can you detail those steps without numbers? (use letters instead)

- c) Are there some cases in which this problem can't be solved?

- d) Design and write with Scratch a program to solve the problem in the general case.

NOTES:

- You can use a graphical interface to introduce the quantities of each product.