

Ikbenfrits & CodingChiefs - Challenge

Background

A bakery used to base the price of their produce on an individual item cost. So if a customer ordered 10 cross buns then they would be charged 10x the cost of a single bun. The bakery has decided to start selling their produce prepackaged in bunches and charging the customer on a per pack basis. So if the shop sold vegemite scroll in packs of 3 and 5 and a customer ordered 8 they would get a pack of 3 and a pack of 5. The bakery currently sells the following products:

Name	Code	Packs
Vegemite scroll	VS5	3 pcs. @ €6.99
		5 pcs. @ €8.99
Blueberry Muffin	MB11	2 pcs. @ €9.95
		5 pcs. @ €16.95
		8 pcs. @ €24.95
Croissant	CF	3 pcs. @ €5.95
		5 pcs. @ €9.95
		9 pcs. @ €16.99

Task

Given a customer order you are required to determine the cost and pack breakdown for each product. To save on shipping space each order should contain the minimal number of packs.

Input

Each order has a series of lines with each line containing the number of items followed by the product code. An example input:

- 10 VS5
- 14 MB11
- 13 CF

Advice

- Choose a programming language you're comfortable with
- The input/output format is not important, do what feels right
- We expect to see code that you would be happy to put into production
- If something is not clear, don't hesitate to ask or just make an assumption and roll with it!
- Try to spend not more than ± 4 hours. If there's rough edges you can explain how to make them better when discussing afterwards