Bakery

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 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 @ $6.99 5 @ $8.99
Blueberry Muffin	MB11	2 @ $9.95 5 @ $16.95 8 @ $24.95
Croissant	CF	3 @ $5.95 5 @ $9.95 9 @ $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

Output:

A successfully passing test(s) that demonstrates the following output:

10 VS5 $17.98
    2 x 5 $8.99
14 MB11 $54.8
    1 x 8 $24.95
    3 x 2 $9.95
13 CF $25.85
    2 x 5 $9.95
    1 x 3 $5.95

Advice:

- Use Python to solve the challenge
- The input/output format is not important, do whatever feels reasonable
- Make sure you include at least one test
- We expect to see code which you would be happy to put in production
- If something is not clear don’t hesitate to ask or just make an assumption and go with it