Coding Sushi

Description

You are a continual guest in a sushi restaurant. The sushi in this restaurant is served on small plates, which are transported next to the guests on a conveyor belt. A guest can just take a plate from the belt.

The plates have different colors. Each color stands for a different price:

Grey	=	4.95 €.
Green	=	3.95 €.
Yellow	=	2.95 €.
Red	=	1.95 €.
Blue	=	0.95 €.

User Story 1

To keep an eye on the costs, you want to develop a small app which calculates the total price depending on the chosen plates. **A user interface is NOT necessary. Parsing inputs is also NOT necessary. Use static inputs.**

Calculate the price of the chosen plates.

Example:

5 x Blue	=	4.75 €.
5 x Grey	=	24.75 €.
1 x Grey, 1 x Green, 1 x Yellow, 1 x Red, 1 x Blue	=	14.75 €.

User Story 2

As you can see, this can become very expensive. Fortunately there is a lunch menu. The menu is 8.50 €.

It includes a soup and four plates. A soup is 2.50 €.

The lunch menu is only from Monday to Friday between (including) 11:00 a.m. and (excluding) 5:00 p.m. For the calculation the time of payment is used.

Calculate the end price.

Example:

1 Soup, 2 x Grey, 2 x Green, 2 x Blue	=	10.40 €.
1 Soup, 2 x Grey, 3 x Green, 2 x Red	=	16.35 €.
1 Soup, 2 x Grey, 3 x Green, 2 x Red	=	28.15 €.

User Story 3

As not everybody wants a soup, there is the possibility to order a lunch menu without a soup:

- A menu can also consist 5 plates
- At least one of the plates must be red or blue
- This menu is also only available from Monday to Friday from 11 a.m. to 5 p.m.

Calculate the optimized price.