# "Programming Basics" Exam

## 3. Energy Booster

The season for climbing alpine peaks begins and all climbers stock up on energy gels for the climb. The company offers small and large cuts with **2 pcs. and 5 pcs**. energy gels, as **the price of one gel depends on the fruit from which it is made. Depending on the size of the cut, the price per number of energy gels is different. The console reads the fruits, the size of the package ((small) 2 pcs. or (large) 5 pcs.), as well as how many cuts are ordered**. Write a program that **calculates the amount to be paid** for the order.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Watermelon** | **Mango** | **Pineapple** | **Raspberry** |
| **2 pcs. (small)** | 56 USD/pc. | 36.66 USD/pc. | 42.10 USD/pc. | 20 USD/pc. |
| **5 pcs. (big)** | 28.70 USD/pc. | 19.60 USD/pc. | 24.80 USD/pc. | 15.20 USD/pc. |

**Special cases:**

* **from 400 USD to 1000 USD inclusively, there is a 15% discount**
* **over 1000 USD There is a 50% discount**

### Input

Read **3 lines** from the console:

1. **Fruit –** **possible text:** **"Watermelon"**, **"Mango", "Pineapple"** or **"Raspberry"**
2. **Set size** – **possible text:** **"small"** or **"big"**
3. **Number of ordered sets** – **an integer in the range [1 … 10000]**

### Output

Print **1 line** to the console:

* **The price needed to be paid, formatted to the second digital after the decimal point** in the following format:

**"**{price} USD."

### Sample Input и Output

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Input** | **Output** | **Comments** | | | |
| Watermelon  big  4 | 487.90 USD. | **The price for the big watermelon set is** 5 \* 28.70 = **143.50 USD.**  **The price for 4 sets**: **574 USD.**  400 <= 574 <= 1000 -> the customer gets a **15% discount**  15 % of 574 = **86.1 USD discount**  **End price**: 574 - 86.1 = **487.9 USD.** | | | |
| **Input** | **Output** | **Input** | **Output** | **Input** | **Output** |
| Pineapple  small  1 | 84.20 USD. | Raspberry  small  50 | 1000.00 USD. | Mango  big  8 | 666.40 USD. |