4. Vacation Costs (Stay&Transport)

You are given a group of people, type of the group, type of transport as well as in which season they are going to vacation. Based on that information below, calculate the **total sum they all** have to pay as well how much should pay individually **each of them** both for **stay** in the hotel and for the **transport**.

Input:
1st line -> number of tourists (1-200)
2nd line -> number of nights (1-31)
3rd line -> type of group ("Students", "Business" or "Regular")
4th line -> type of transport ("Train", "Bus" or "Car")
5th line -> season ("Spring", "Summer" or "Winter")

The output should look like that:
1st line -> Price per a night the group must pay: {price} lv.
2nd line -> Total price for all nights the group must pay: {price} lv.
3rd line -> Total price for all nights a single tourist must pay: {price} lv.
4th line -> Transport costs for the group: {price} lv.
5th line -> Transport costs for a single tourist: {price} lv.
6th line -> Total costs for hotel and transport for the group: {price} lv.
7th line -> Total costs for hotel and transport for a single tourist: {price} lv.
8th line -> The price should be rounded to the **second decimal point**.

Hotel information - all prices are for **one person** and per **a night**:

	Winter	Spring	Summer
Students	8.45	9.80	10.46
Business	10.90	15.60	16
Regular	15	20	22.50

There are also **discounts** based on some conditions:

- **Students –** if the group is bigger than or equal to **30 people** you should reduce the total price for the hotel by **15%**
- **Business –** if the group is bigger than or equal to **100 people 10** of them can stay **for free.**
- **Regular –** if the group is bigger than or equal to **10 people** and less than or equal to **20 people** reduce the **total** price for the hotel by 5%

Transport company information - all prices are for **one person** and per **one-way ticket**:

	Train	Bus	Car
Students	12	15	16
Business	20	24	25

Regular	17	19	20

Conditions for **discounts**:

- **Students –** if the group is bigger than or equal to **20 people** and the chosen transport is **bus** or **train** you should reduce the total price for transport by **10%**
- **Business –** if the chosen transport consists of **cars** and the group is bigger than or equal to **63 people 15** of **them** can **travel for free.**
- **Regular –** if the group is bigger than or equal to **15 people** and less than or equal to **30 people** reduce the total price by **7%, no matter what kind of transport** they choose