

I am making a healthy snack shop for my class, which will sell bananas. I need to decide the pricing of my bananas, taking into account the impact of price on the number of customers.

I am going to calculate the profit for different pricing scenarios. For making these calculations, I have assumed a cost price of twenty cents per banana. I have also assumed the number of customers per hour for different selling prices. As you can expect, this number decreases as the selling price increases.

Sale price per banana	20¢	22¢	25¢	35¢	50¢	75¢	90¢	1€
Customers/hr	25	15	10	7	5	2	1	0
Total sale price	500¢	330¢	250¢	245¢	250¢	150¢	90¢	0¢
Total cost price	500¢	300¢	200¢	140¢	100¢	40¢	20¢	0¢
Profit/hr	0¢	30¢	50¢	105¢	150¢	110¢	70¢	0¢

These calculations show that as the selling price increases, the profit increases until a certain point, before dropping. That said point indicates the optimum selling price, which yields the most profit.

For the values I have assumed, this optimum selling price is fifty cents per banana, giving a total profit of €1.50 per hour.

Healthy Snack Shop! I am making a healthy snack shop for my class!

By: Ivy [redacted] (if you see two underlines of the SAME color, it means I am answering that question ex)

What information do I need to know in order to make my healthy snack shop go well?

- I need to know what food I am going to sell
- I need to know how much each product will cost
- I will need to know what strategies I will use to sell food

What food will I sell?

- Bananas
- Bread
- Strawberries
- Almonds
- Apple juice
- Celery sticks
- Apples
- oranges/ tangerines
- pears
- Water

For Almonds ^{= important information} a bag of almonds cost ~~7.25€~~ 7.25€. How many euros will it cost if a person buys 47 bags of almonds? Answer: 304.50

1	10	20	30	40	42
7.25	72.50	145.00	217.50	290.00	304.50

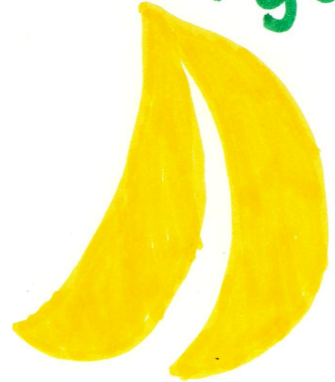
$72.50 \times 2 = 145.00$
 $145.00 \times 2 = 290.00$
 $290.00 + 7.25 = 304.50$

$700 + 20 + 5 = 725$
 $7000 + 200 + 50 = 7250$

Crisps? no



banana? yes!



For Bananas 1 bunch = 4.50
How much for 39 bunches? Answer: \$180.00

1	10	20	30	40	39
\$4.50	\$45.00	\$90.00	\$135.00	\$180.00	\$175.50

$90.00 \times 2 = 180.00$
 $180.00 - 4.50 = 175.50$

$40 + 5 = 45$
 $20 \times 45 = 900$

$180.00 - 4.50 = 175.50$
 $175.50 + 12000 = 13500 = 135.00$