

M2C3 Project Pupusa Making Task

Teacher PD Work

This file include four solution path created be teachers as part of their participation in M2C3 professional development workshops.

Factors that Teachers Considered

- Cost of ingredients?
- How many pupusas does one recipe make?
- Labor, rent, electricity costs

Connections to Teachers' Experiences

- They have eaten in restaurants and understand that the price of an item reflects more than the cost of ingredients.
- They have followed a recipe and understand that there may be more than one serving per recipe.

Maggie - Part 3 12

We recommend charging \$1.50 for each pupusa.

After calculating that it costs about \$0.50 to make 71 Part 1 1. Choose ingredients - all fresh 2. Calculate cost of each ingredient 3. Add cost of all ingredients 4. Divide total cost by 4 to get the price of pupusa each type, we tripled that price to account for the cost of labor, electricity, and rent. Given that a woman typically eats 3 pupusas, Part 2 the total cost would be sind to man that typically Pupusas de Pollo con Queso Chaice 2 Pupusas de Frijoles Refritos eats 6 pupusas the total cost would be \$9. We believe Masa harina - 40.50 Masa harina - \$0.50 this cost is reasonable given the demographics Black beans - \$0.13 Chicken - \$0.75 of the area, which consists mostly of low-income Queso fresa - \$1.25 Monteray Jack - \$0.50 families. This approach also makes the menu simple \$1.88 for \$1.75 for four pupusas and easy to understand. four pupusas 1.88 ÷ 4 ≈ 0.47 1.75 - 4 = 0.43 Sincerely, * round up to \$0.50 Fround up to \$0.50 Table I (the smartest Owner should charge \$1.50 for 1 pupusa

\$1.00 each

Ta PART ONE ! Assumptions: · price of ingredients will stay the same ·water is included in overhead cost a batch will yield be pupusas * 80% of cost of a pupusa is for labor/overhand Option 2: Pupusa de Frijoles Refritos masa hapina (2 cups) x (.25) = .50 warm water = 0.00 Filling (1 cup) beans x (.25) = .25 cheese (1/5 cup) x(2.50) = .50 1.25 +62.20 (recipe - 6) x 5 = cost of +. 80 single pupusa

Assumptions:

. price will include overhead, labor, it ingredient

. pupusas with meat will sell more than the
vegetarian friendly pupusas

. the profit margin is less for meat pupusas than
the vegetarian-friendly option

Vegetanan-friendly pupusas = \$ 2.00

Chicharrones 3.25
Masa .60
3.76

Frigues Refritos -> .20 x5 = \$1.00

meat pupusas = \$ 2.50

It is our recommendation that your pupusas be sold at the following prices. Those pupusas with meat should cost \$3.00 per pupusa. Pupusas without meat, or vegetarian-friendly ones should cost \$2.50 per pupusa.

We make this recommendation for a number of reasons. These prices reflect overhead costs, labor costs, as well as the cost of ingredients. Additionally, these prices allow for a profit margin. There is no profit gain on the meat pupusas, however on the vegetarian-friendly pupusas is greater over 100%.

How we came to these prices can be explained through the formula: (Recipe + 6) x5 = cost of single pupusa.

can we come to your restaurant for a field trip so our students can experience authentic salvadorian cuisine?

All our best,

Table 2

assumptions: . Sold single could make 4,5,00 6 in · H20 is in cost of overhead FACTORS: Combination of ingredients Cost of each ingredient "Amount made per batch MATH Masa = 10.25 x 2 [need 2 c for each batch] Chicken = 2 x \$1.50 [only need to each for I total c of filling]

Grass fresco = 2 x \$2.50 [same 9] Alling = \$0.75+11.25 Total = \$2.50 (1.25 + 0.75 + 0.50) PRICE IF EACH BATCH MADE ... Avrg Cost of \$ 2.50/4 = 0.62 \$2.50/5 = 0.50 \$2.50/ = 0.41 1 Papase Average of 7 = (0.62 + 0.50 + 0.41) = '0.51

OUR MENU: Pollo con Queso 3 \$3.00 Frijoles con Queso 3 \$3.00 Chicharrones WHY: The average cost of a pupusa is 3.25 based on ex research. Bean and Cheese : . 21 Average Pork = .76 > .49 Chicken and Cheese = .51 To be competitive with market Value 3.00 for all pupusas.

PART TWO: Menu + \$ T3

Mola Señora Maggie, We recommend you sell all papusas at \$3.00. We think this because... · Your competitors charge \$3.25 so that Keeps your pricing competitive You will Profit ~ \$2.50 (w/ a - 500% markup) Lo The cost of making each papusa averages out to appx. "a so. This was an average of the cost of each type, just one. · You can follow this formula to price other items you'd like to Sell. Ingredients cost = cost of one item # of items made per THEN cost of item Average Price x 5 + Cost of ingradients = can't wait to come to City Parisar!

Table 3 Letter

Cost of ONE pupusa Ty Assumptions: * all variations are ordered equally * averaged price of cheese * everyone is getting cheese * majer is free * OWNER Wants just the cost of pupusa * one batch makes 5 Plan / Formula: 1. betermine cost of each variety using the cost of each ingredient to scale · QUESO - \$2.25 + .45 (÷5) · pollo - 42.13 - .43 · chickrones - \$3.75 .75

· fujeles - \$1.50 .30 2. Average the cost of all rarieties TOGETHER 1275 + 1270 + 1375 + \$150 = 124075 \$ 52.41

Adjustments:

Use the formula to ... when ...

price of ingredient changes A

variety changes B

Table 4

Recommended Price T4

Assumptions:

* Give owner 2 options: most
expensive AND least expensive

* Assuming cost of labore is
the same per employee (*11/hr)

* production is the same per employee * tax is added after cost/price

Plan/ Formula:

Formula: (cost to make item (2.45 + ______)

(cost to replace item (profit (cost to make) =

3.90 Chichrones = \$1.30 per 1

Frijoles = \$ 2.55

cost \$.85

Note to Owner hear maggie, we used a formula to determine the price of ANY pupusa you choose to make. It is as follows: how long it takes to make a batch + (cost of ingredients) · cost of making item · cost to replace item · profit Based on this formula, here are cost of the current menu items : cost - 41.00 . Queso price \$ 3.00 cost - 1.98 · Pollo price - \$ 2.94 · Chichrones price \$ 3.90 cost -#. 85 frijoles price \$ 2.55 If you need additional information, place see our enclosed notes or call us (200 555 - 1234 T4 consulting

Table 4 Letter