Profit from *Pupusas*

My aunt and uncle have a *pupusa* food truck as their own business. They rent the truck for $350 per month. They figured out that it costs them $0.90 to produce each *puposa,* and they are trying to figure out how much they should charge per *pupusa* to make the most monthly profit. They know that the more they charge per *pususa*, the fewer *pupusas* they sell each day, but if they sell them too cheaply, they won't make enough profit.

As an experiment, they set the price of each *pupusa* to $1.30 for one week, including weekends to $1.50 for another week, and to $1.70 for the third week. Each day, they keep track of the number of *pupusas* they sell. The table below shows the data they collected.

Price per *Pupusa*	**Day of the week**							**Average**
	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.	
$1.30	92	89	88	90	92	89	90	
$1.50	78	80	84	80	80	78	80	
$1.70	69	72	70	72	68	70	69	

Question:
My aunt and uncle want to know how much they should charge per *pupusa* to make the most profit and how much profit they can expect from this business.

Variables to consider:

Solve the problem here. Show your work.

Fishbowl

My aunt and uncle want to know how much they should charge per *pupusa* to make the most profit and how much profit they can expect from this business.

Outline how you solved the problem, variables to consider, both given and not given, and defend your answer with data from the problem.

How can they maximize their profit and which steps would you recommend to them to maximize their profit?

Incorporate the following vocabulary words in your explanation: Average, Claim, Argue, Analyze, Data, Solution, Problem, Solve, Figured out, Profit, Variables, Consider

Solve the problem and write notes to respond to the prompt.