**Unit 3 Task 1**

**Full Description**

There are two food vendors to consider. **Event Solutions** charges a one-time fee of $300 for table rentals and then $5 per person for food and drink. **Parties Made Easy** charges $8 per person for an all-inclusive event. The fee per person includes food and drink, as well as tables.

If the student council has a budget of **$2,000** for food and tables, how many people could attend if **Event Solutions** is used? How many people could attend if the student council chooses **Parties Made Easy**?

Use algebra to set up an equation for the total cost of using Event Solutions, based on the number of people, p. Then set up a second equation to represent the total cost of using Parties Made Easy, based on number of people, p.

For how many students will the cost of using Event Solutions be equal to the cost of renting at Parties Made Easy?

Which vendor should be used? Justify your answer.