**Unit 3 Task #3 Full Description**

The final decision to be made for the party is selecting a *dessert*. Several cupcake companies have submitted their cost for catering the party. Your job will be to analyze the price lists below and determine which company we should buy from.

Company A charges $2 per cupcake and a flat fee of $50

Company B charges $4 per cupcake and a flat fee of $10

Company C charges $4 per cupcake and a flat fee of $100 but is discounting their total price by ½.

Company D charges $4 per cupcake and a flat fee of $9

1. How many cupcakes could we buy from Company A so that the total price is the same as if we bought the cupcakes from Company B? Write and solve an equation to determine your answer.
2. How many cupcakes could we buy from Company A so that the total price is the same as if we bought the cupcakes from Company C? Write and solve an equation to determine your answer.
3. How many cupcakes could we buy from Company B so that the total price is the same as if we bought the cupcakes from Company D? Write and solve an equation to determine your answer.
4. Which company should we buy from? Explain in at least three complete sentences.