**Unit 3 Task #2 Full Description**

The next decision to be made for the party is selecting a DJ.

Music Innovations has offered a price of $165 per hour with no set-up fee.

Tunes, Inc. will provide a DJ for $125 per hour with a set-up fee of $325. However, he is running a special right not and has quoted the school that he will take off an extra $5 per hour plus an additional ten dollars just for our school. If we book Tunes, Inc. today, he has promised to triple the discount!

If the school has a budget of **$825** for the DJ, how many hours could be afforded if Tunes, Inc. is chosen? How many hours could be afforded if they choose Music Innovations?

How many hours would we have to rent the two DJ’s for the cost to be equal?

Use algebra to set up an equation for the total cost of using Tunes, Inc., based on the number of hours, *h*. Then set up a second equation to represent the total cost of using Music Innovations, based on number of hours, *h*.

Which DJ should be used? Justify your answer.