GRADE SIX – CONTENT STANDARD #1,2,10

ACTIVITY B

SCHOOL PLAY

Tickets to a school play cost $1.00 for students and $2.00 for adults.

1. If $125 was collected, how many adults and how many students could have attended the play? How many different possible answers are there to this question? Find as many as you can.

2. If programs for the play cost $.50 to produce, how much profit would the school make with different combinations of students and adults attending the play? If the school wanted to make as much profit as possible, would it encourage students or adults to attend the play?

Write a letter to the play's manager explaining how you think profits can be made as large as possible.

[Source: Connecticut Mastery Test Third Generation Mathematics Handbook, Part 2 Draft, State of Connecticut]