

GROUP PERFORMANCE TASK

7.RP.3-Using Proportional Relationships to Solve Real-World Problems

Directions: As a group, read the scenario below and use your understanding of proportions and percents to answer the four questions below. Your final answers and work used to arrive at the answer must be neatly written on a separate sheet of paper.

Scenario:

You are going to the 7th grade formal dance and you want to know how much money you are going to need to borrow from your parents.

You have figured out that the outfit you want to wear is going to cost \$56.55, but it is currently on sale for 30% off at the new outlet mall and the sales tax is 7.5% in North Carolina.

You will also need to pay for a ticket to the dance. If you buy the ticket in advance it will cost \$10.00, but if you buy the ticket at the door of the dance it will cost \$15.00.

The last thing you will need money for is dinner. You are figuring that you will need \$18.00 for the meal at dinner and then you will need to add 9% meal tax and a 20% tip to your meal price.

Questions:

1. Determine how much money you will need in order to attend the 7th grade dance.
2. If your parents lend you \$75.00, is that enough money to cover your costs? Why or why not?
3. What is the percent of change in the price of dance tickets from buying them in advance to buying them at the door?
4. Your parents have decided you will have to pay them the \$75.00 back with an additional interest rate of 5%. How much money will you owe your parents, including interest