Inequality Word Problems

Write and Solve an Inequality for each Word Problem. Don't Forget the LET STATEMENTS!!!

1. Your family budgets $160 to spend on fuel for a trip. How many times can they fill the car's gas tank if it costs $25 each time?

2. Suppose it costs $5 to enter the carnival. Each ride costs $1.25. You have $15 to spend at the carnival. What is the greatest number of rides that you can go on?

3. Chelsea has $45 to spend at the fair. She spends $20 on admission and $15 on snacks. She wants to play a game that costs $0.65 per game. Write an inequality to find the maximum number of times, x, Chelsea can play the game. Using this inequality, determine the maximum number of times she can play the game.

4. Thelma and Laura start a lawn-mowing business and buy a lawnmower for $225. They plan to charge $15 to mow one lawn. What is the *minimum* number of lawns they need to mow if they wish to earn a profit of *at least* $750?

Inequality Word Problem Practice Name _____

1. Jesse has $400 and wants to spend his money on a new iPod and songs from iTunes. If the iPod costs $250 and each song he downloads costs $1.29, how many songs will Jesse be able to download with the money that he has?

2. A doughnut shop charges $0.70 for each doughnut and $0.30 for a carryout box. Shirley has $5.00 to spend. At most, how many doughnuts can she buy if she also wants them in one carryout box?

3. Tamara has a cell phone plan that charges $0.07 per minute plus a monthly fee of $19.00. She budgets $29.50 per month for total cell phone expenses. Write and solve an inequality to find the maximum number of minutes Tamara could use her phone each month in order to stay within her budget.

4. A prom ticket at Smith High School is $120. Tom is going to save money for the ticket by walking his neighbor's dog for $15 per week. If Tom already has saved $22, what is the minimum number of weeks Tom must walk the dog to earn enough to pay for the prom ticket?