

Write the inequality that models each situation. DO NOT SOLVE.

1. The value of the land is at least \$35,000.
2. Devonte's grade is higher than an 85%.
3. Nick has at most \$550 in his savings account.
4. The temperature is between 55°F and 60°F.
5. Sunny must get to school no later than 7:45 am.
6. The snowfall was greater than 2 inches.
7. After trick or treating, Alex had no less than 50 pieces of candy.
8. Jake paid less than \$60 for the new Call of Duty game.
9. Emilia traveled more than 200 miles to buy her new car.
10. Chaz ate a minimum of three pizzas. (Burp!)

Write the inequality that models the situation. Solve and then interpret your solution.

11. York Township Elementary school is having a fall carnival. Admission into the carnival is \$3 and each game inside the carnival costs \$0.25. Tanner has no more than \$10 to spend. What is the maximum number of games he can play?

12. Rebecca wants to order some DVDs from Amazon. The DVDs cost \$9 each and there is a shipping charge of \$5. She can spend no more than \$100. What is the maximum number of DVDs she can buy?
13. Mrs. Rose-Mulder needs to have her car repaired but does not want to spend more than \$225 for the repairs. The mechanic says that the part needed for the repair will cost \$78, and that labor will cost an additional \$35 per hour. What is the greatest number of hours the mechanic can work without exceeding Mrs. Rose-Mulder's budget?
14. Ms. Watson's algebra classes want to have a pizza party. Period 1 calls Roma's Pizza. Roma's will charge \$7 per pizza and \$5 to deliver. Period 2 calls Sal's Little Italy. Sal's will charge \$8 per pizza and deliver for free. For how many pizzas will Roma's be cheaper than Sal's?