SYSTEM of INEQUALITIES WORD PROBLEMS

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Greater Than >	Less Than <	Greater Than or Equal To ≥	Less Than or Equal To ≤
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1. You can work at most 20 hours next week. You need to earn at least \$75 to cover you weekly expenses. Your dog- walking job pays \$8 per hour and your job as a car wash attendant pays \$6 per hour. Write a system of linear inequalities to model the situation.

2. Huda is buying plants and soil for her garden. The soil cost \$4 per bag, and the plants cost \$10 each. She wants to buy a minimum of 5 plants and can spend no more than \$100. Write a system of linear inequalities to model the situation.

3. Hassan is going to the store to buy candles. Small candles cost \$4 and large candles cost \$5.00. He needs to buy at least 20 candles, and he cannot spend more than \$70. Write a system of linear inequalities that represent the situation.

