

2.) The San Marin Drama Club is putting on a fundraiser showing of *The Sound of Music.* The orchestra seating costs $100 and the balcony seating costs $50. The Drama wants to raise at least $10,000. Write an inequality that best represents this situation. Let $x=$ number of balcony seat tickets sold and $y=$ number of orchestra seat tickets sold. Then graph the inequality. Analyze the solution set. Is it viable?

1.) A Camp Counselor got 40 tickets to give to his hungry campers to buy lunch. A hotdog cost 4 tickets and a hamburger cost 5 tickets. Write an inequality that best represents this situation. Let $x=$ number of hamburgers and $y=$ number of hotdogs. Then graph the inequality. Analyze the solution set. Is it viable?