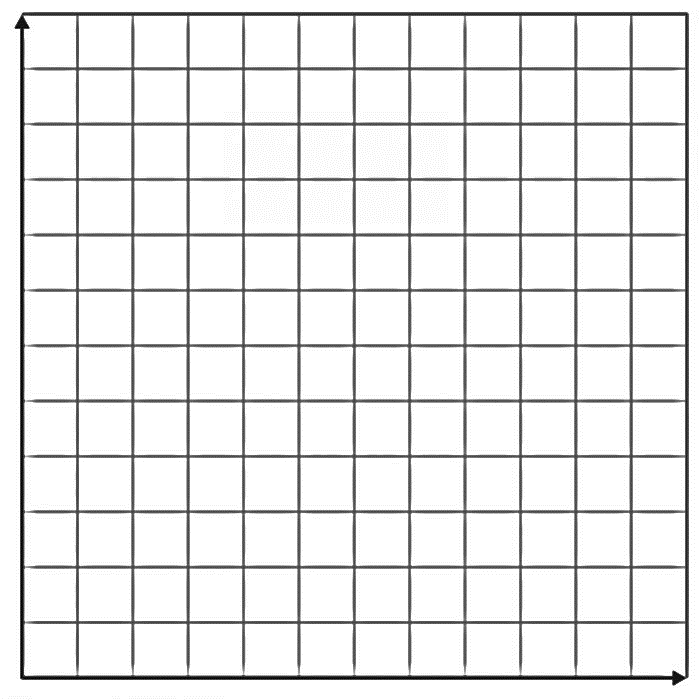
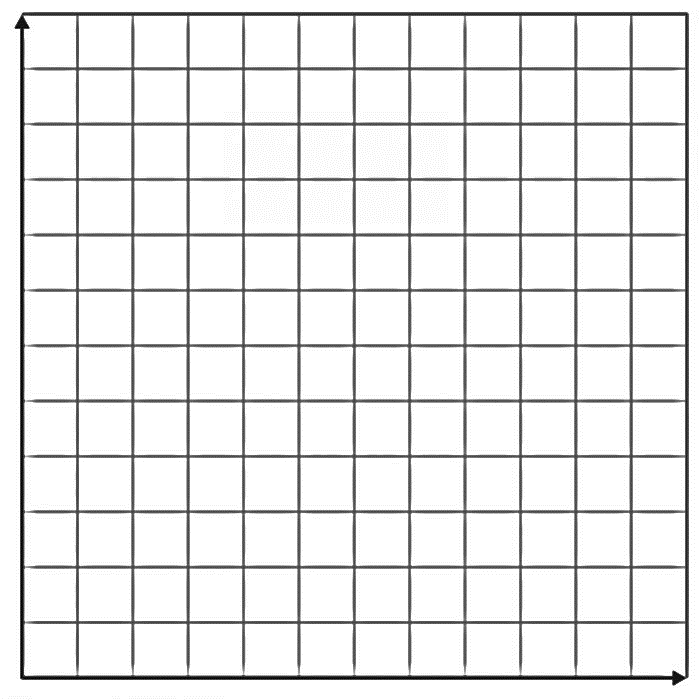
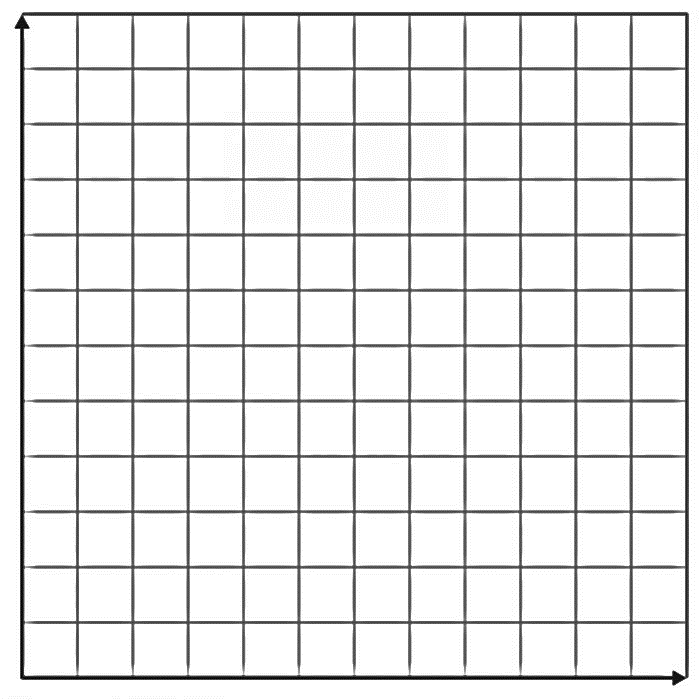
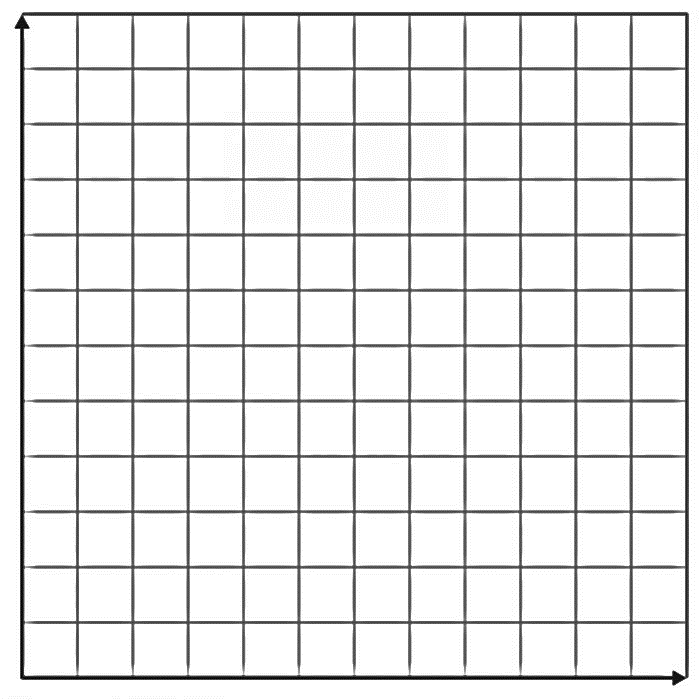
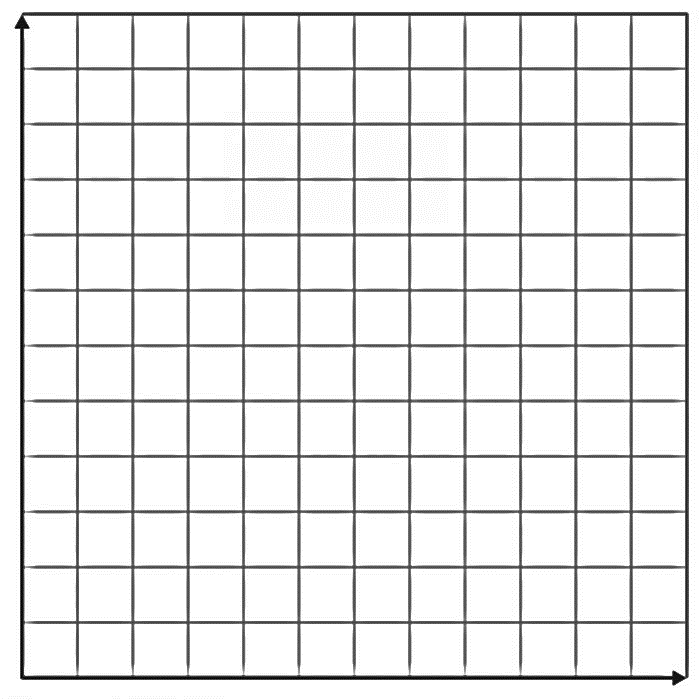
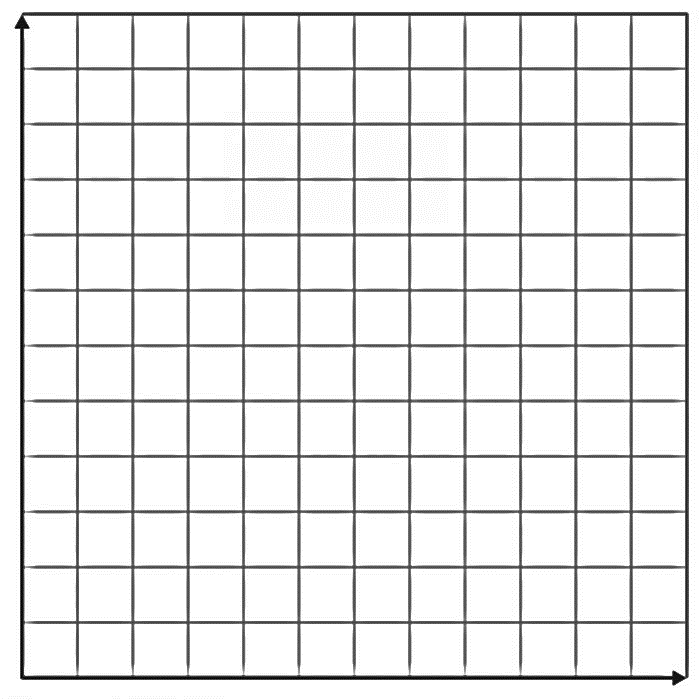
1. Liam has been put in charge of buying equipment for his hockey team. Sticks cost $100 and practice jerseys cost $75 each. He has been given a maximum budget of $5000. Write a linear inequality to represent this situation and then show it graphically.
2. At a charity event, raffle tickets are $5 and 50/50 tickets are $2. The event organizers aim to raise at least $500 to save the habitat of the rare teacup panda bear. Write a linear inequality to represent this situation and then graph it.
3. Together, Sam and Madi sold at most 40 hamburgers. Sam sold at least 2 more hamburgers than Madi did. Write two inequalities and graph them to show possible solutions to this problem.
4. Superman saves more people than Batman does. Last month they saved a combined total of at least 14 people. Write two inequalities and graph them to show possible solutions to this problem.
5. You can work a total of no more than 10 hours each week at your two jobs.  Making balloon animals $15 per hour and your stand-up comedy gig pays $12 per hour. You need to earn at least $110 per week to pay your bills. Write inequalities and graph them to show possible solutions to this problem.
6. Tori is buying plants and soil for her garden. The soil cost $4 per bag, and the plants cost $10 each. She wants to buy at least 5 plants.  She cannot spend more than $100. Write inequalities and graph them to show possible solutions to this problem.