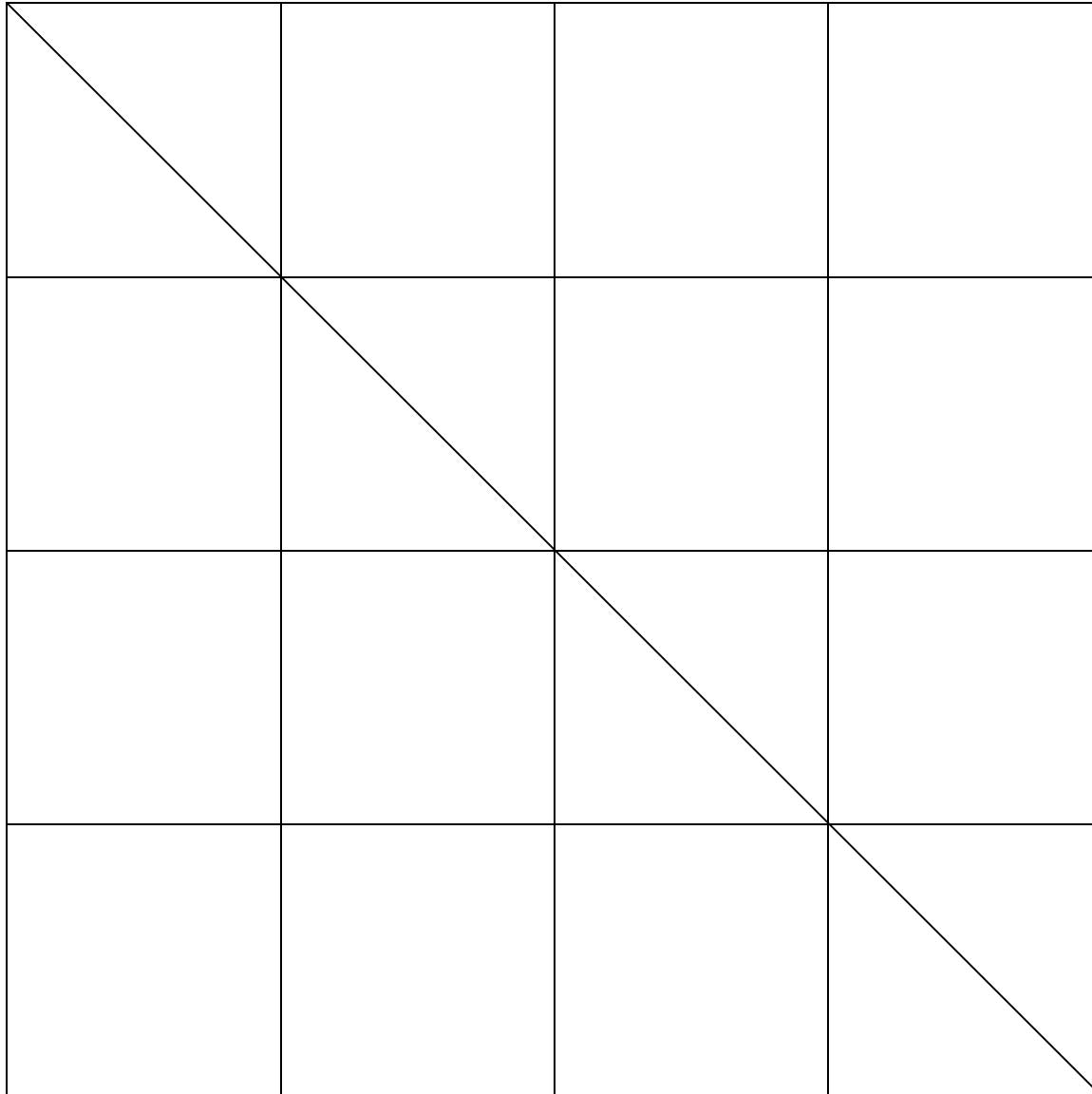
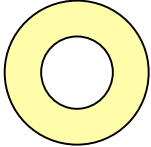
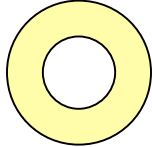
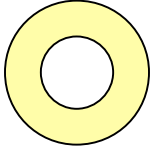
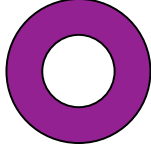
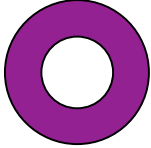
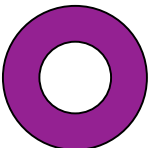
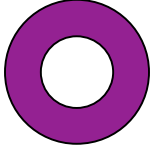



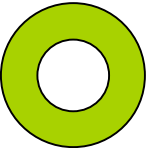







LIFE-SAVER PROBLEM #1

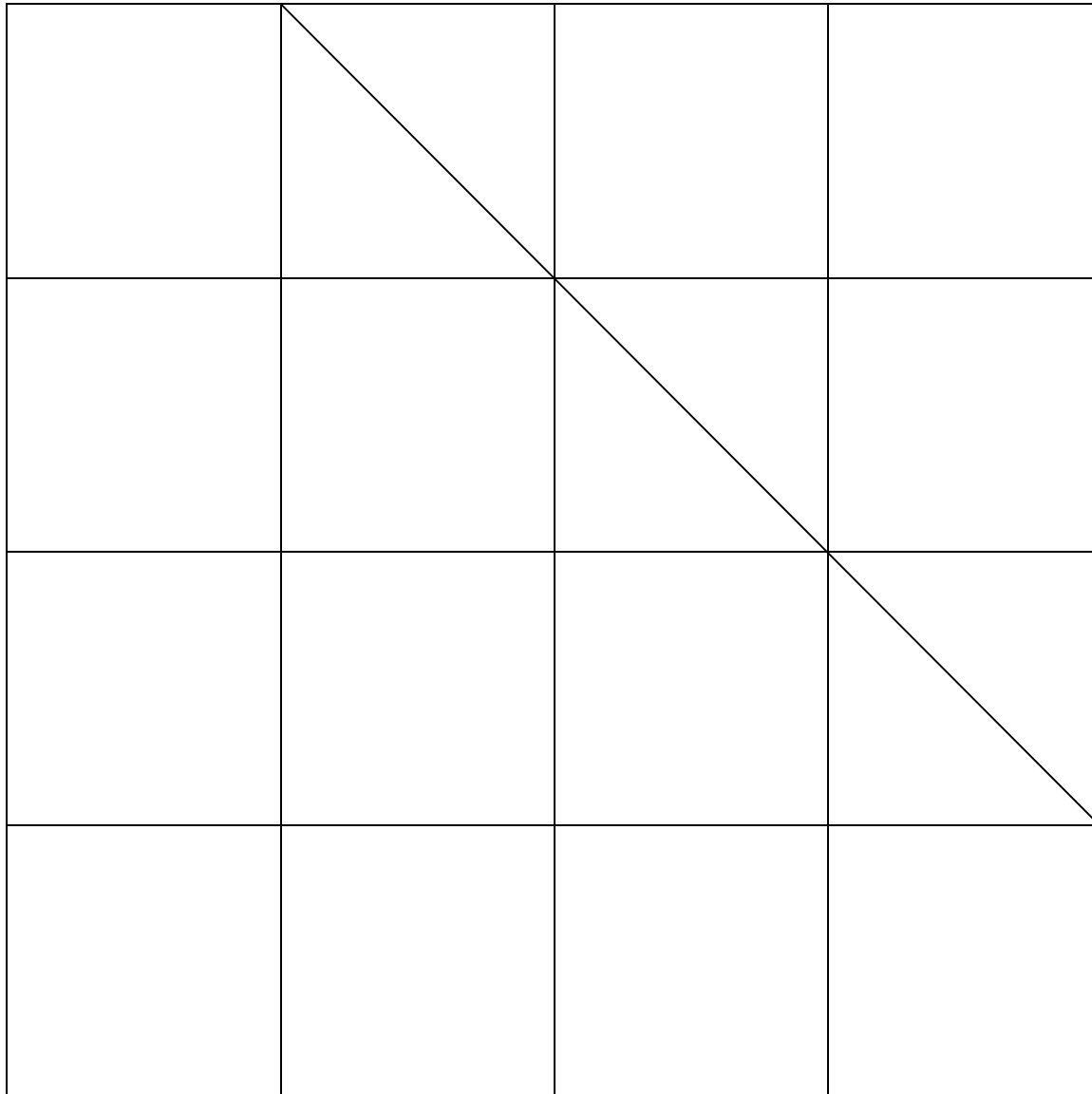


Maria loves Life-Savers candies. Her Tia Dora buys 16 Life-Saver candies and a square candy dish with 16 compartments. Tia Dora tells Maria that she can keep all of the candies if she can place them in the dish so that the colors form mirror images across the diagonal of the dish. Maria's package contained the following flavors: 5 cherry, 4 lime, 4 grape, and 3 piña.

Can you help Maria put her Life-Savers in the candy dish? Only 1 life-saver can be placed in each compartment.

Problem 1 	Problem 1 	Problem 1 	Problem 1 
Problem 1 	Problem 1 	Problem 1 	Problem 1 
Problem 1 	Problem 1 	Problem 1 	Problem 1 
Problem 1 	Problem 1 	Problem 1 	Problem 1 

LIFE-SAVER PROBLEM #1A



Maria loves Life-Savers candies. Her Tia Dora buys 16 Life-Saver candies and a square candy dish with 16 compartments. Tia Dora tells Maria that she can keep all of the candies if she can place them in the dish so that the colors form mirror images across this diagonal in the dish. Maria's package contained the following flavors: 5 cherry, 4 lime, 4 grape, and 3 piña.

Can you help Maria put her Life-Savers in the candy dish?

LIFE-SAVER PROBLEM #1B

Maria loves Life-Savers candies. Her Tia Dora buys 16 Life-Saver candies and a square candy dish with 16 compartments. Tia Dora tells Maria that she can keep all of the candies if she can place them in the dish so that the colors form mirror images across the vertical center line of the dish. Maria's package contained the following flavors: 5 cherry, 4 lime, 4 grape, and 3 piña.

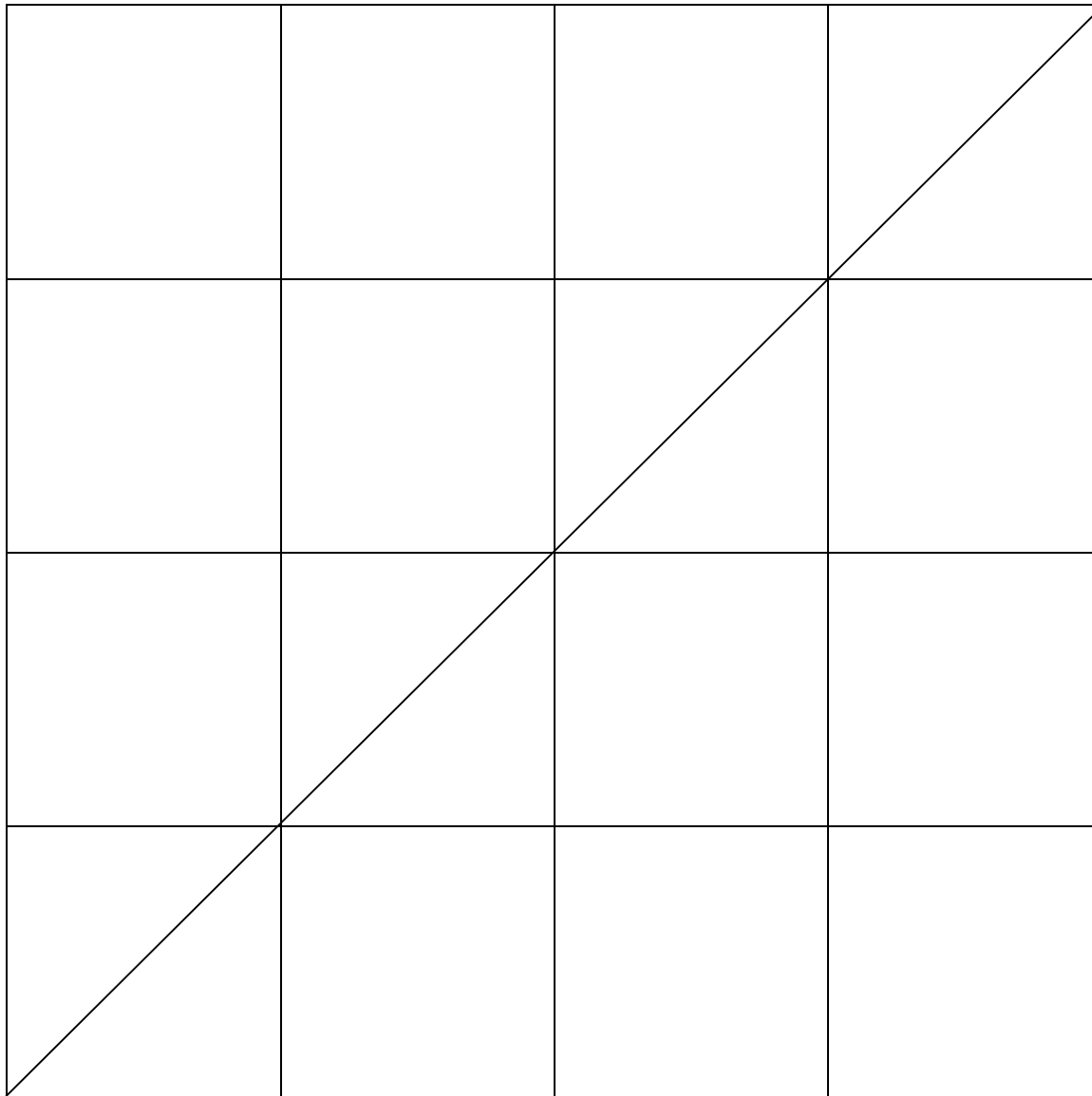
Can you help Maria put her Life-Savers in the candy dish?

LIFE-SAVER PROBLEM #1C

Maria loves Life-Savers candies. Her Tia Dora buys 16 Life-Saver candies and a square candy dish with 16 compartments. Tia Dora tells Maria that she can keep all of the candies if she can place them in the dish so that the colors form mirror images across the horizontal center line of the dish. Maria's package contained the following flavors: 5 cherry, 4 lime, 4 grape, and 3 piña.

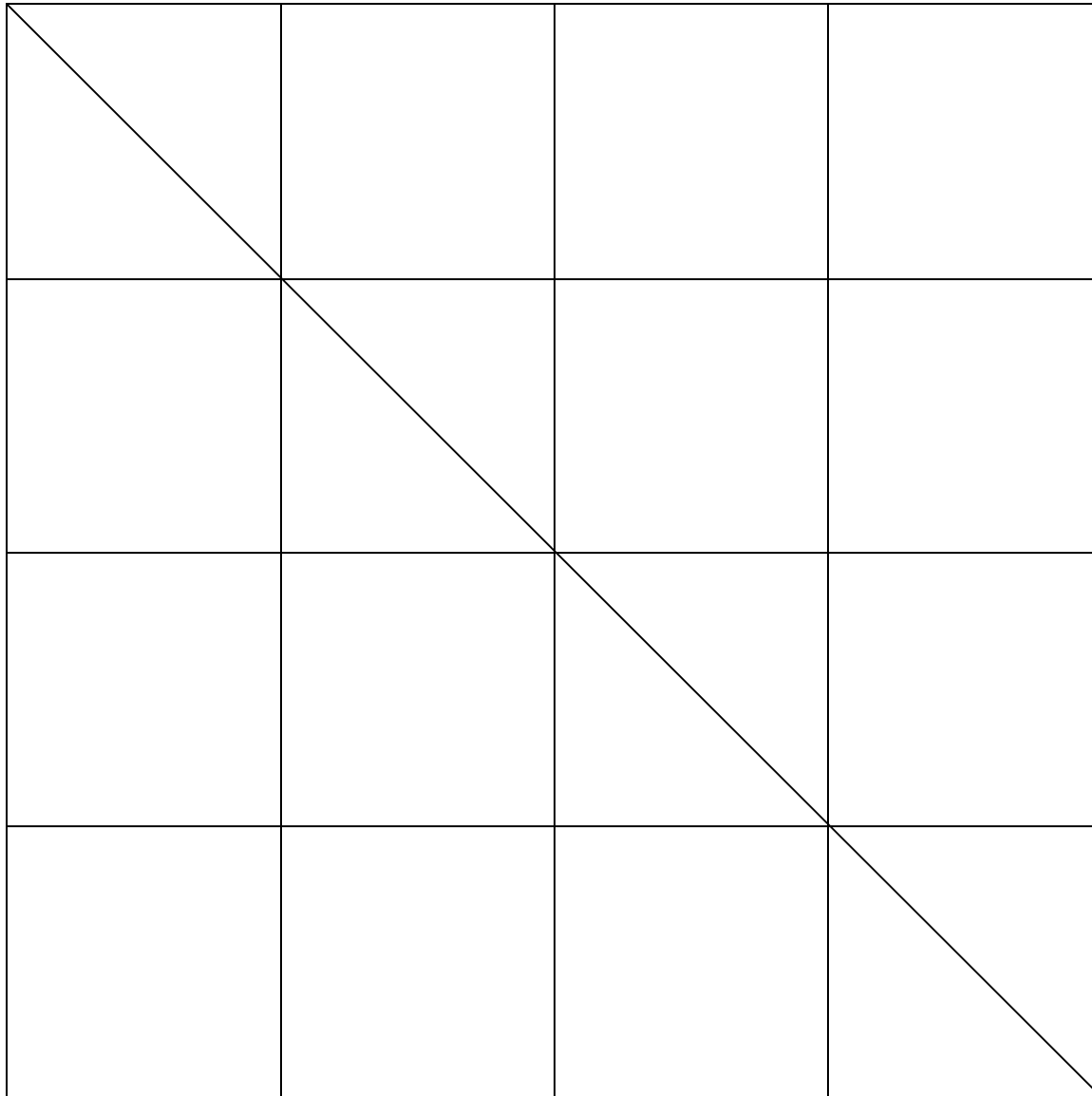
Can you help Maria put her Life-Savers in the candy dish?

LIFE-SAVER PROBLEM #1D



Maria loves Life-Savers candies. Her Tia Dora buys 16 Life-Saver candies and a square candy dish with 16 compartments. Tia Dora tells Maria that she can keep all of the candies if she can place them in the dish so that the colors form mirror images across the diagonal of the dish. Maria's package contained the following flavors: 5 cherry, 4 lime, 4 grape, and 3 piña.

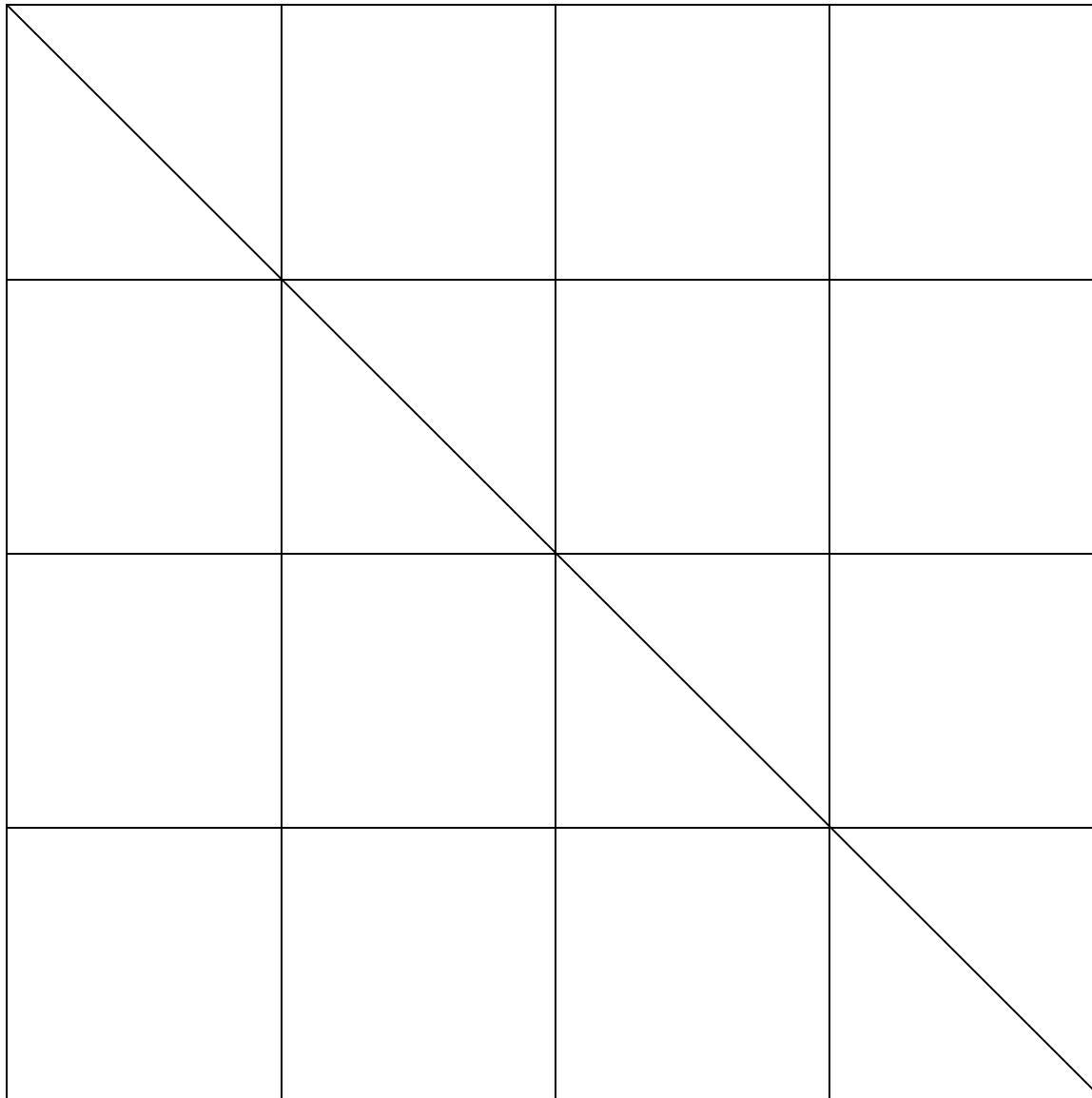
Can you help Maria put her Life-Savers in the candy dish?



Maria loves Life-Savers candies. Her Tia Dora buys 16 Life-Saver candies and a square candy dish with 16 compartments. Tia Dora tells Maria that she can keep all of the candies if she can place them in the dish so that the colors form mirror images across the diagonal of the dish. For this version, you must start by putting 4 of the same color on the four corners. Maria's package contained the following flavors: 5 cherry, 4 lime, 4 grape, and 3 piña.

Can you help Maria put her Life-Savers in the candy dish?

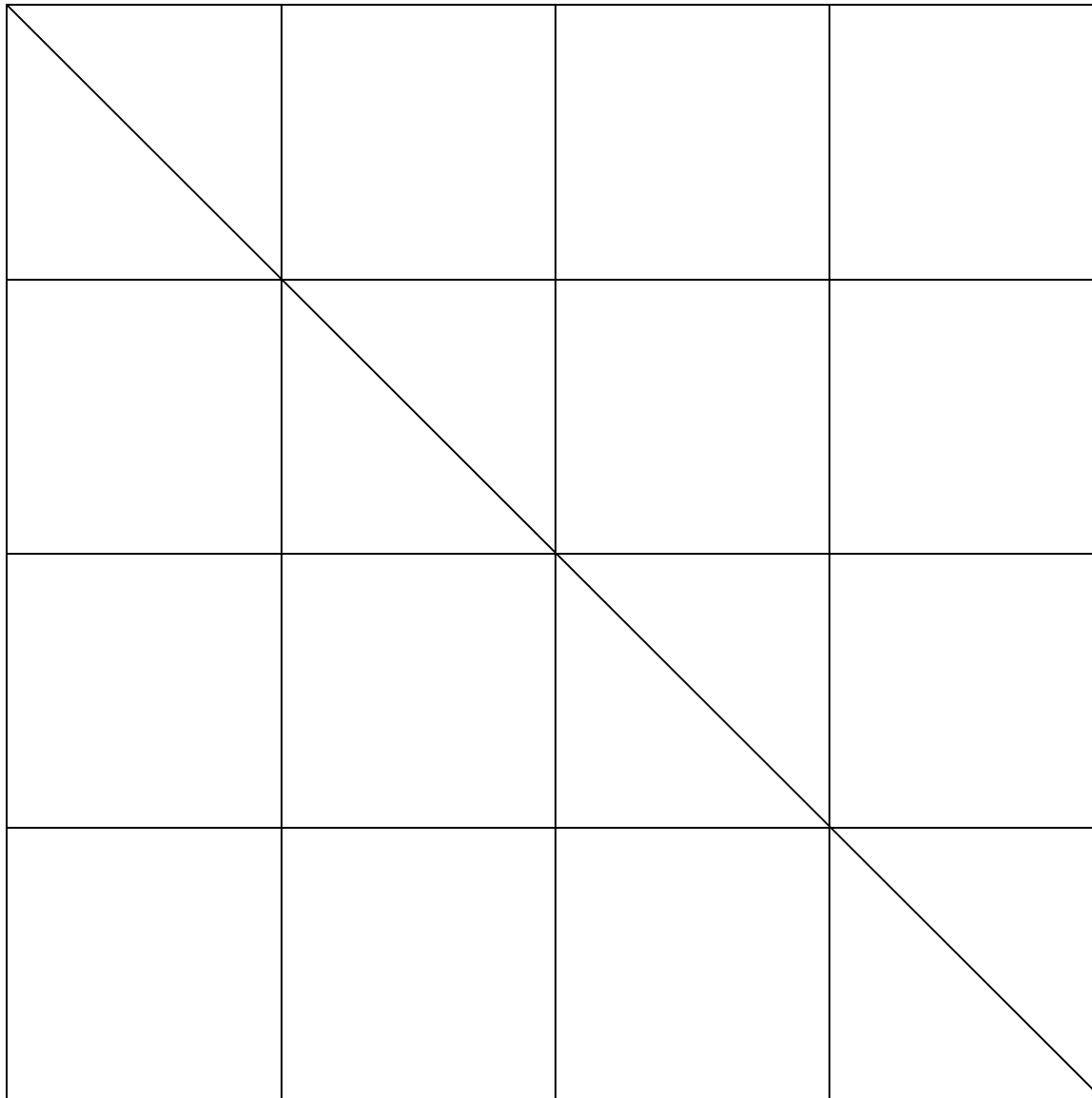
LIFE-SAVER PROBLEM #1F



Maria loves Life-Savers candies. Her Tia Dora buys 16 Life-Saver candies and a square candy dish with 16 compartments. Tia Dora tells Maria that she can keep all of the candies if she can place them in the dish so that the colors form mirror images across the diagonal of the dish. For this version, you must start by putting 4 of the same color on the four center squares. Maria's package contained the following flavors: 5 cherry, 4 lime, 4 grape, and 3 piña.

Can you help Maria put her Life-Savers in the candy dish?

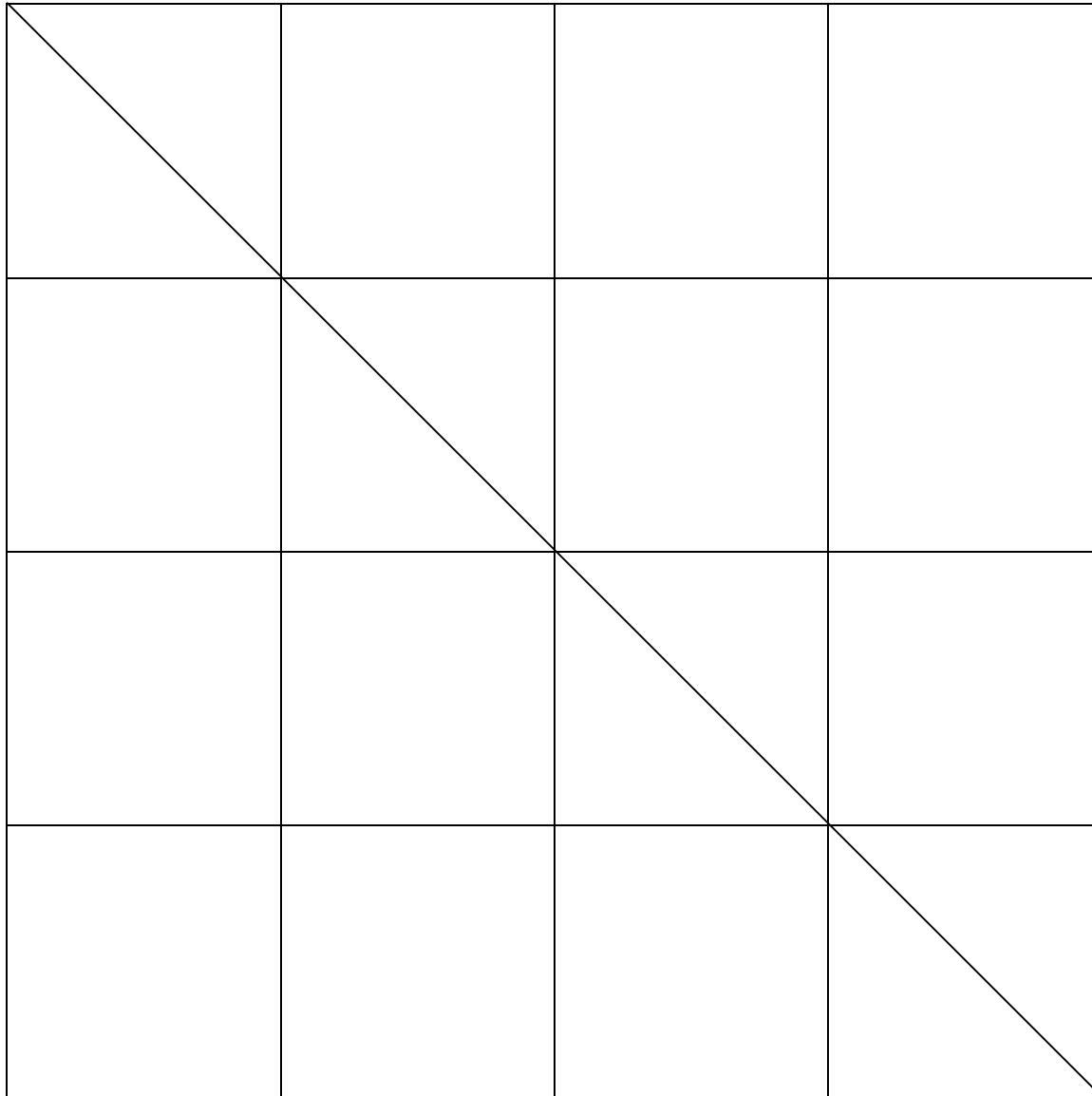
LIFE-SAVER PROBLEM #16



Maria loves Life-Savers candies. Her Tia Dora buys 16 Life-Saver candies and a square candy dish with 16 compartments. Tia Dora tells Maria that she can keep all of the candies if she can place them in the dish so that the colors form mirror images across the diagonal of the dish. For this version, you must start by putting 4 of the same color on the four center squares and 4 of the same color on the 4 corners. Maria's package contained the following flavors: 5 cherry, 4 lime, 4 grape, and 3 piña.

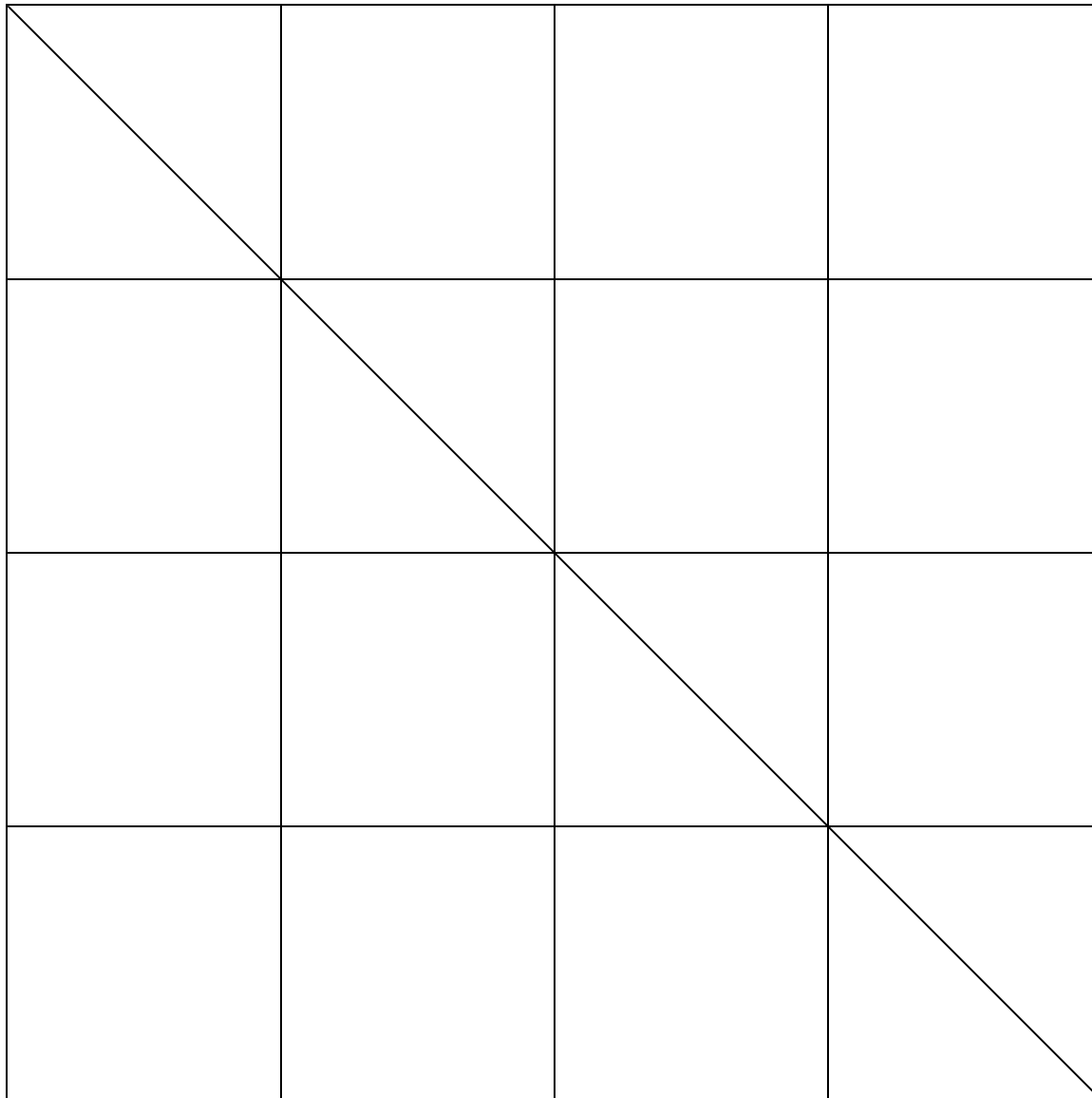
Can you help Maria put her Life-Savers in the candy dish?

LIFE-SAVER PROBLEM #1 H



Maria loves Life-Savers candies. Her Tia Dora buys 16 Life-Saver candies and a square candy dish with 16 compartments. Tia Dora tells Maria that she can keep all of the candies if she can place them in the dish so that the colors form mirror images across the diagonal of the dish. For this version, you must start by putting 4 of the same color on the diagonal. Maria's package contained the following flavors: 5 cherry, 4 lime, 4 grape, and 3 piña.

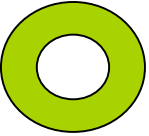
Can you help Maria put her Life-Savers in the candy dish?




One week later Tia Dora visits Maria and brings more Life-Savers with her. This time the Life-Savers are in sets of 2 that cannot be separated. Tia Dora tells Maria that she can keep all of the candies if she can place them in the dish so that the colors form mirror images across the diagonal of the dish. Maria's package contained the following total number of flavors: 5 cherry, 4 lime, 4 grape, and 3 piña.

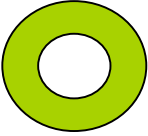
Can you help Maria put her Life-Savers in the candy dish?

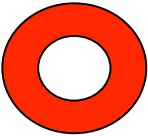
Problem 2



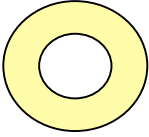


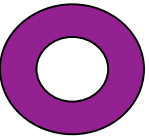
Problem 2



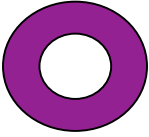


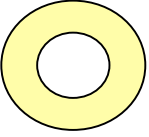
Problem 2



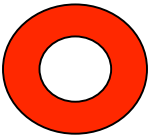


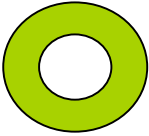
Problem 2



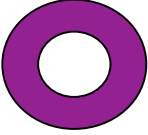


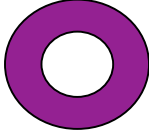
Problem 2



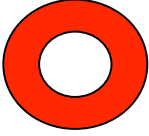


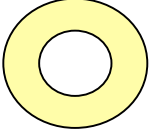
Problem 2



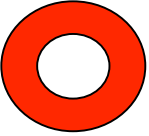



Problem 2

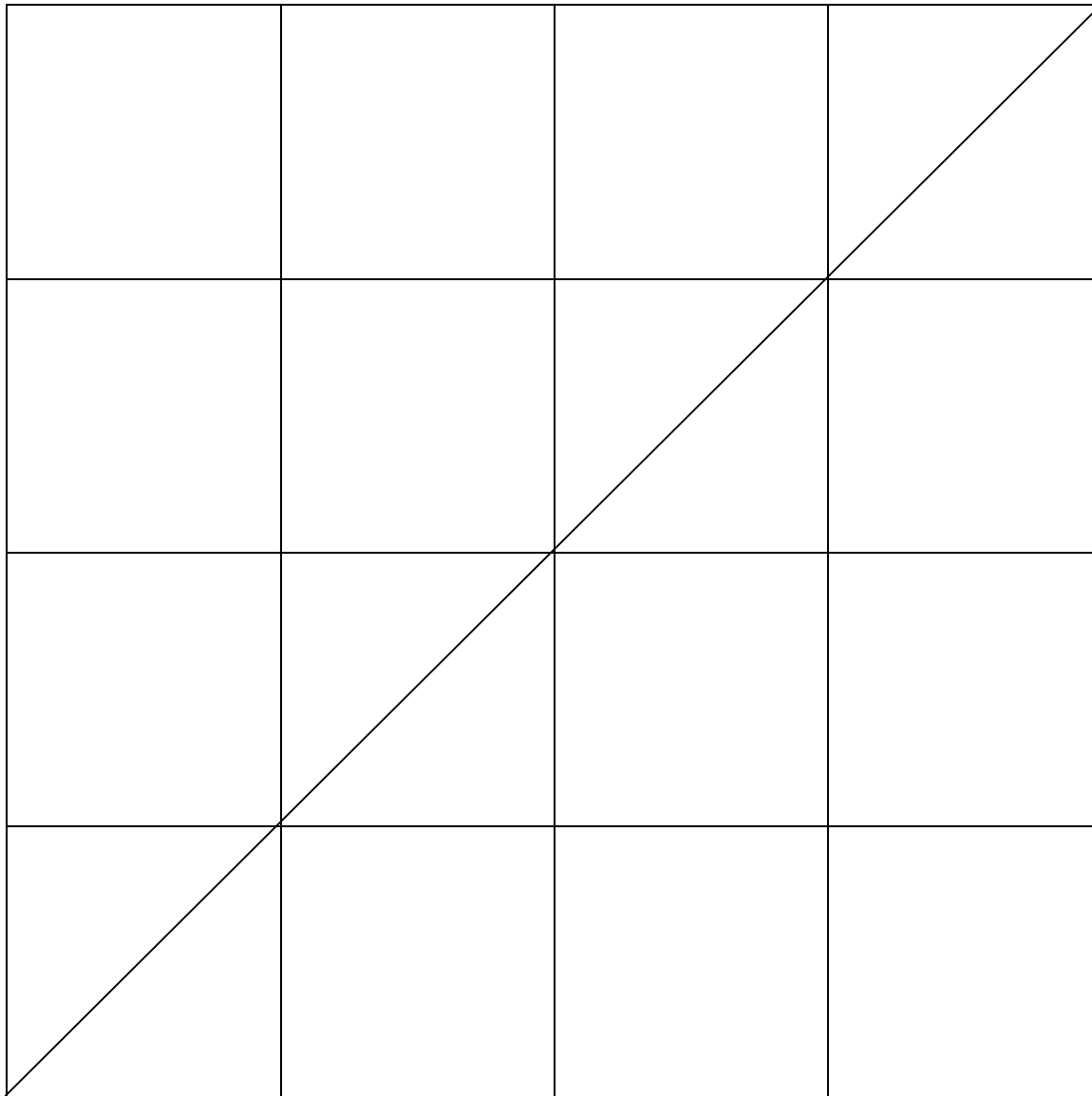




Problem 2



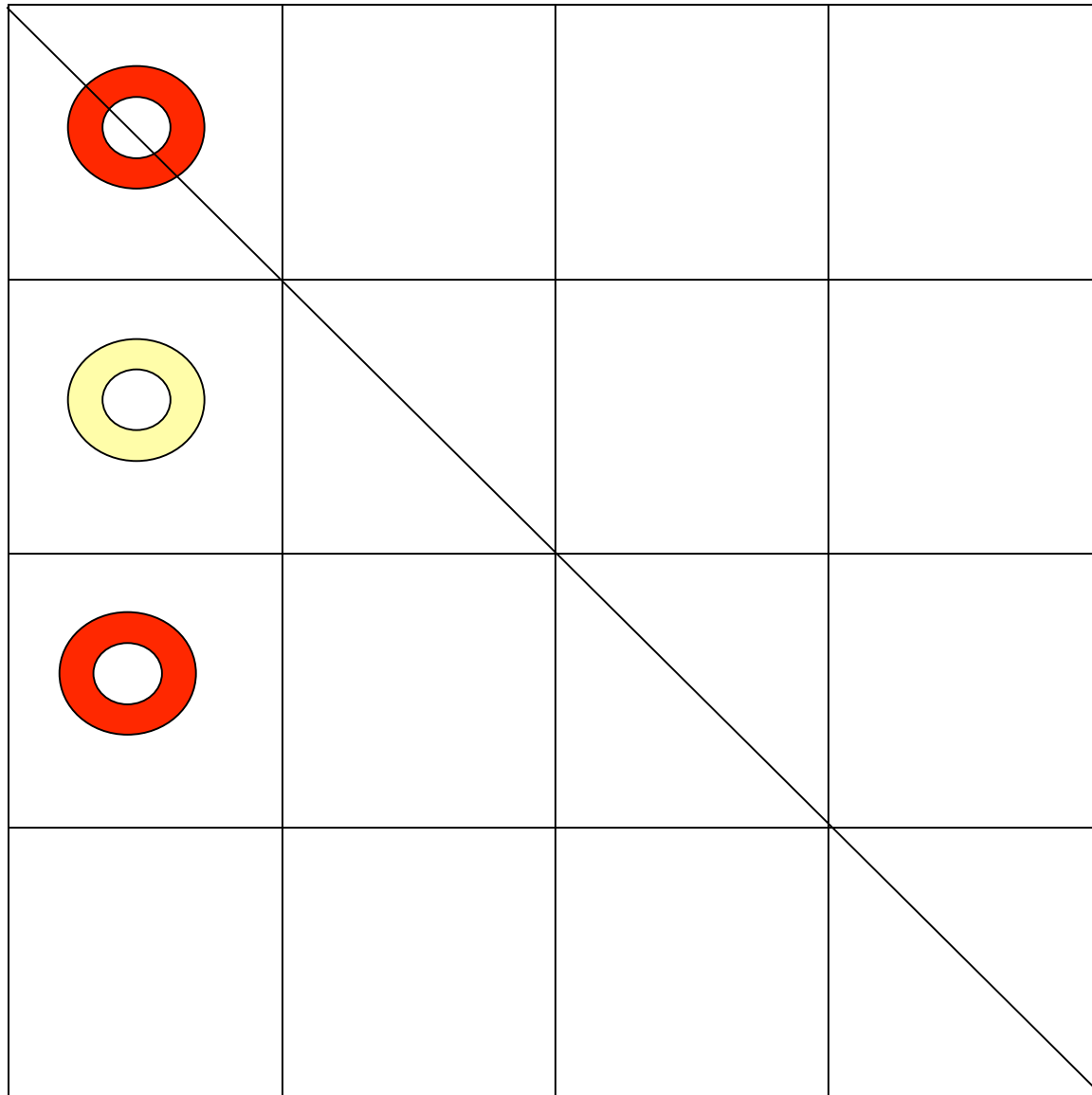




One week later Tia Dora visits Maria and brings more Life-Savers with her. This time, you get to put the Life-Savers into sets of 2 that cannot be separated (like the ones in Problem 2, only you can make your own). Tia Dora tells Maria that she can keep all of the candies if she can place them in the dish so that the colors form mirror images across the diagonal of the dish. Maria's package contained the following total number of flavors: 5 cherry, 4 lime, 4 grape, and 3 piña.

Can you help Maria put her Life-Savers in the candy dish?

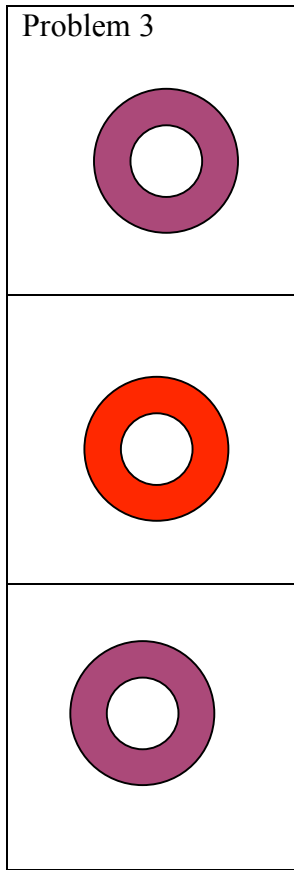
LIFE-SAVER PROBLEM #3



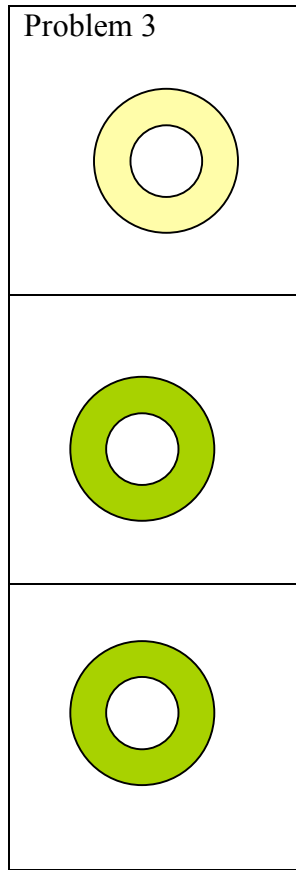
One month later Tia Dora visits Maria and brings more Life-Savers with her. This time the Life-Savers are in the sets pictured below that cannot be separated. Tia Dora tells Maria that she can keep all of the candies if she can place them in the dish so that the colors form mirror images across the diagonal of the dish with the ones already in the dish. Maria's package contained the following total number of flavors: 5 cherry, 4 lime, 4 grape, and 3 piña.

Can you help Maria put her Life-Savers in the candy dish?

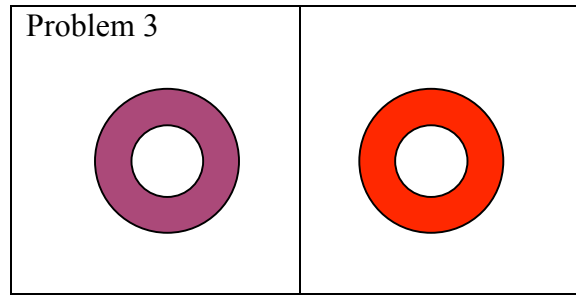
Problem 3



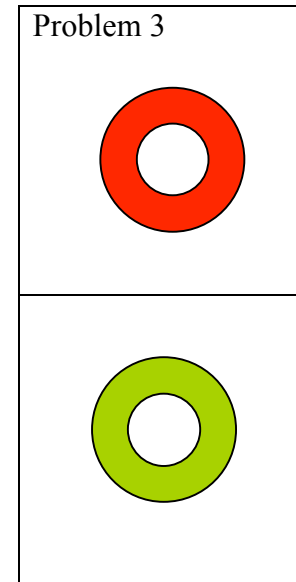
Problem 3



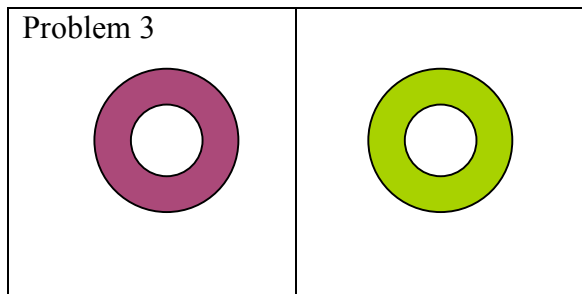
Problem 3



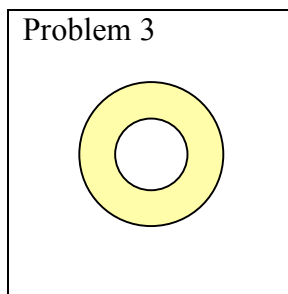
Problem 3

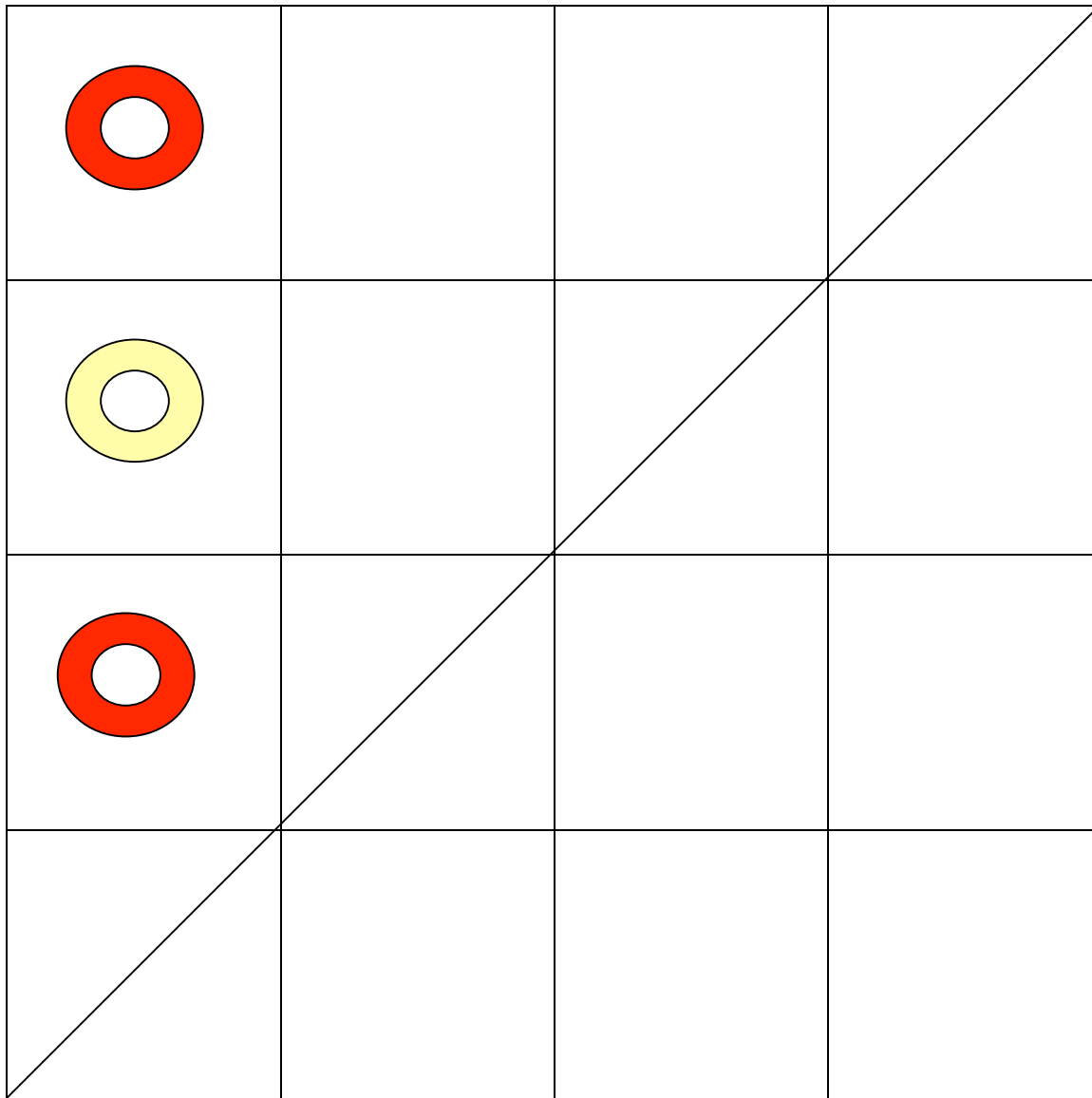


Problem 3



Problem 3





One month later Tia Dora visits Maria and brings more Life-Savers with her. This time the Life-Savers are in the same sets that were used with Problem 3 and cannot be separated. Tia Dora tells Maria that she can keep all of the candies if she can place them in the dish so that the colors form mirror images across the diagonal of the dish with the ones already in the dish. Maria's package contained the following total number of flavors: 5 cherry, 4 lime, 4 grape, and 3 piña.

Can you help Maria put her Life-Savers in the candy dish?

MAKE UP YOUR OWN LIFE-SAVER PROBLEM

Using this space, make up your own life-saver problem at the grade level that you teach. Exchange problems with the teacher next to you. Try to solve your colleague's problem. Discuss the ideas for each problem that you think will work well in any classroom and the ones that may not work well. Discuss the ideas for each problem that you think will work well in an ELL classroom, and the ones that may not work well, especially for ELL students. Write your problems and results on the paper provided and hand in.