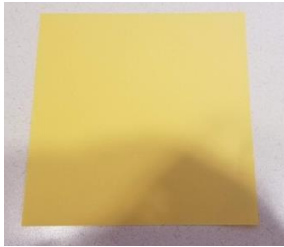
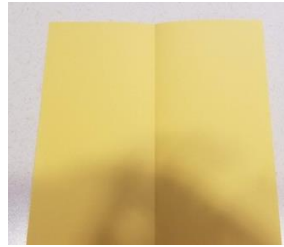


## CONSTRUCTING ORIGAMI BOXES

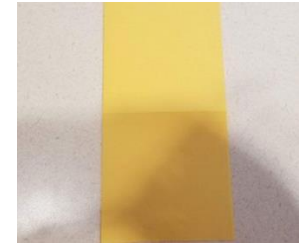
1) Set a square piece of paper in front of you on a hard, flat surface.



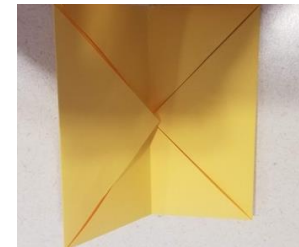
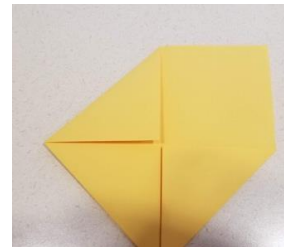
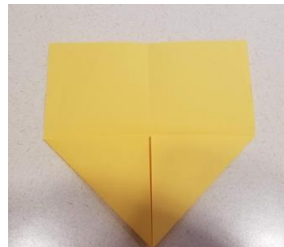
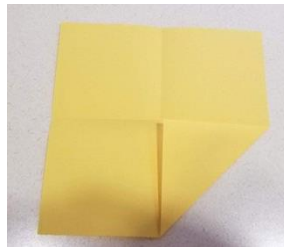
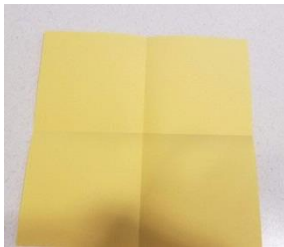
2) Fold your paper in half to create a rectangle and then unfold.



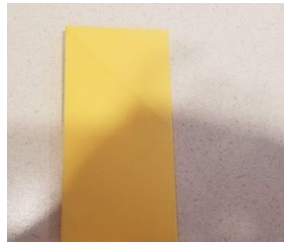
3) Rotate your paper 90°, fold it in half again, and then unfold.



4) You should have a square with four distinct quadrants. Now, fold each corner to the center, which will result in a smaller square.



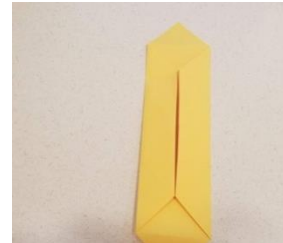
5) Fold the square in half to create a vertical line of symmetry. Fold each side to this line. You have now divided your square into fourths, vertically.



**6)** Unfold two opposite sides as in the picture below.



**7)** Rotate the paper 90°. With the paper partially unfolded, fold the longest sides to the center, and then unfold.



**8)** Pinch the paper together as in the pictures below to begin forming the corners of your box.



**9)** Fold upward to create the sides of your box.



**10)** Fold the remaining flaps over to put the finishing touches on your box.



Congratulations, you've made a 3-D box out of a 2-D piece of paper! Now let's explore some of its properties.