



O WOW! Moment— Origami Geometry

Can you successfully make an origami samurai hat?

MATERIALS

- ❖ Paper—origami paper to practice. Newspaper to fit a hat on your head!

GET SET UP

1. Origami paper is typically square shaped. Turn your paper so that as you look at it, it is diamond shaped.
2. Fold the top point down to the bottom point so that you form a triangle.
3. Fold the left point to the bottom point. Repeat with the right point. You have formed a new diamond shape.
4. Take the bottom point of the left triangle and fold it to the top point. Repeat with the right triangle. You have formed two small triangles and one large triangle still in a diamond shape.
5. Fold the top point of the left triangle slightly to the left. Do the same with the right triangle but fold to the right. You have formed six small triangles and one large triangle.
6. Fold the bottom point of the top flap of the big triangle about two-thirds up towards the six small triangles. You have formed two large triangles.
7. Fold the bottom edge of your newly formed large triangle so that the fold runs edge to edge.
8. Take the large bottom triangle, fold it slightly and tuck it inside the hat.
9. When you have mastered the geometry of the small hat, do exactly the same thing with a larger piece of paper so you can make a hat that fits on your head.

