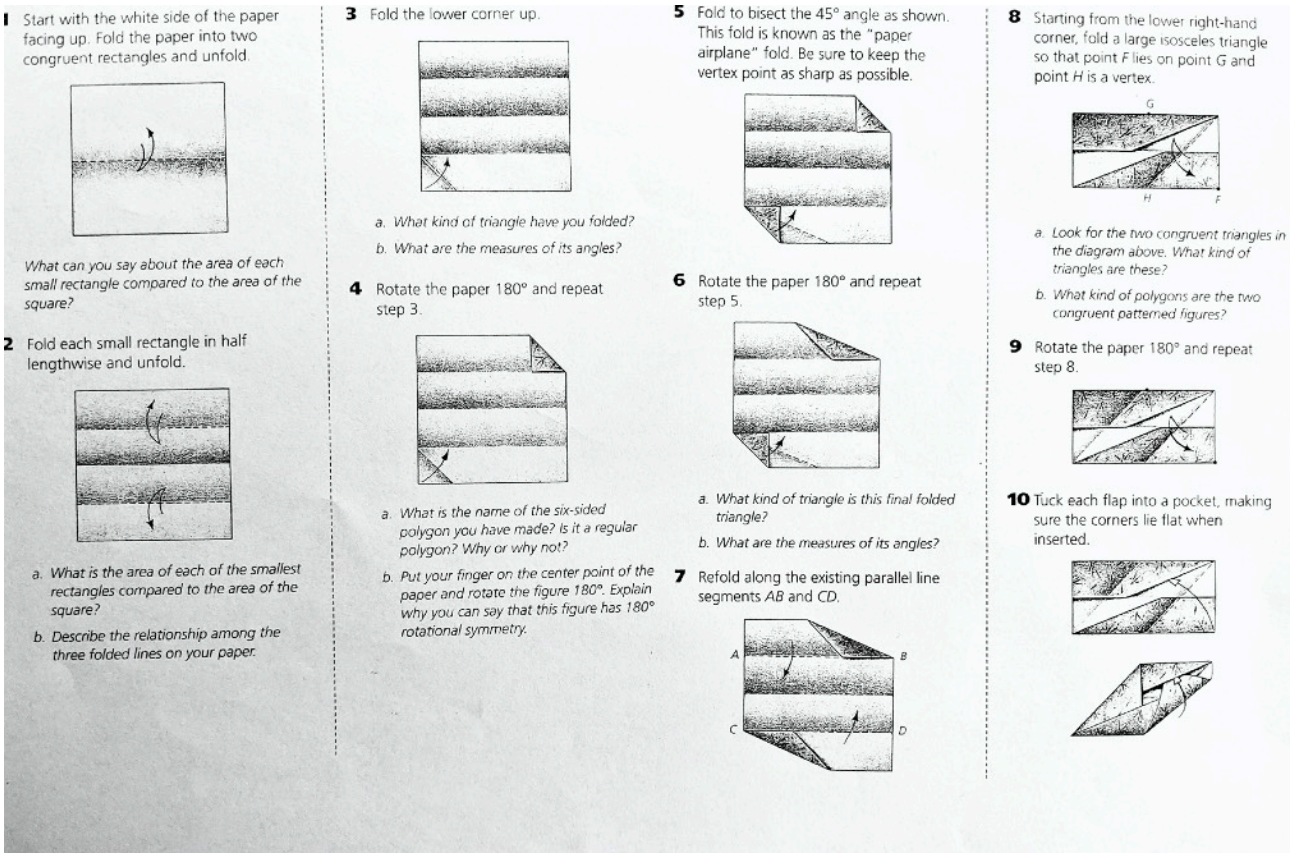
Unit Origami

Das kennt ihr natürlich schon…ich dachte als kleine Erinnerung und im Moment kann man auch richtig große Objekte falten…
Die Größe des Papiers richtet sich nach eurem Projekt. Also je größer das Objekt umso kleiner das Papier. Ich empfehle 12x12 oder 15x15.
Macht euch auf die Suche nach interessantem Papier..zB eignen sich alte Magazine oder Geschenkpapier oder Kopierpapier.

Falttutorial - Wie schneidet man aus einem (DIN A4) Blatt, Quadrate?

https://youtu.be/wYwCRemNx38

Diagramm



1 Start with the white side of the paper facing up. Fold the paper into two congruent rectangles and unfold.

What can you say about the area of each small rectangle compared to the area of the square?

2 Fold each small rectangle in half lengthwise and unfold.

a. *What is the area of each of the smallest rectangles compared to the area of the square?*

b. *Describe the relationship among the three folded lines on your paper.*

3 Fold the lower corner up.

a. *What kind of triangle have you folded?*

b. *What are the measures of its angles?*

4 Rotate the paper 180° and repeat step 3.

a. *What is the name of the six-sided polygon you have made? Is it a regular polygon? Why or why not?*

b. *Put your finger on the center point of the paper and rotate the figure 180°. Explain why you can say that this figure has 180° rotational symmetry.*

5 Fold to bisect the 45° angle as shown. This fold is known as the "paper airplane" fold. Be sure to keep the vertex point as sharp as possible.

6 Rotate the paper 180° and repeat step 5.

a. *What kind of triangle is this final folded triangle?*

b. *What are the measures of its angles?*

7 Refold along the existing parallel line segments *AB* and *CD*.

A B C D

8 Starting from the lower right-hand corner, fold a large isosceles triangle so that point *F* lies on point *G* and point *H* is a vertex.

G H F

a. *Look for the two congruent triangles in the diagram above. What kind of triangles are these?*

b. *What kind of polygons are the two congruent patterned figures?*

9 Rotate the paper 180° and repeat step 8.

10 Tuck each flap into a pocket, making sure the corners lie flat when inserted.

Viel Spaß :)