

Origami and Geometry

Using only simple folds, divide a square sheet of paper in 4 equal parts:

- Four squares
- Four rectangles
- Four triangles

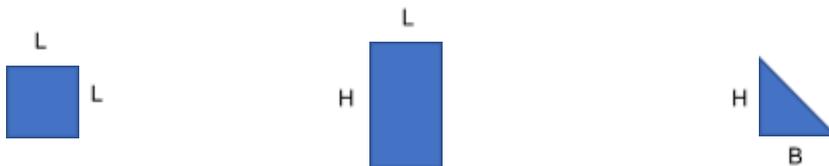
Tip:

[For the triangles, try to fold the diagonal of the square]

Show that the area of each part with different shapes is the same.

Tip:

[Square area: $A_S = L * L$; Rectangle area: $A_R = L * H$; Triangle area: $A_T = \frac{B * H}{2}$]



Show that the area of each part with different shapes is the same.

Tip:

[Try perpendicular folds that cross the centre but doesn't intercept the corner or the middle point of the side]