

Sharing Shapes



Goal: Share shapes equally and make a mural.

You will need:

- A piece of paper for each artist
- Many colorful paper shapes - circles, squares, triangles, rectangles, etc.
- Scissors
- Glue

What to do:

- Sort the shapes so each type of shape is together.
- Divide the shapes equally between the artists.
- If needed, cut the shapes in half or thirds, etc, so each person has the same amount.
- Decide what design you want to make with your shapes.
- Cut and transform the shapes to make your design.
- Glue the shapes onto a larger piece of paper so they form an image.

Other Things to Try:

- Try folding the shapes. For example, fold the rectangle in half and in half again so the parts are as equal as possible. Cut along the fold lines and compare the pieces. How many pieces do you have? Are they all the same size?
- Tell someone about the mural you made. Tell them about the shapes you started with, how many pieces you cut them into, and which shapes were part of the original circle, square, and rectangle.
- Cut one of the shapes into halves. How many halves are needed to make the original shape? Cut one of the shapes into thirds. How many thirds are needed to make the original shape? Try dividing a shape into other numbers of parts. Try to make them equal in size. Count the parts.

