

FIG at Home

CAT TESSELLATION

This is a purr-fect rainy day activity.

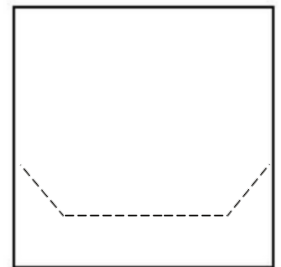
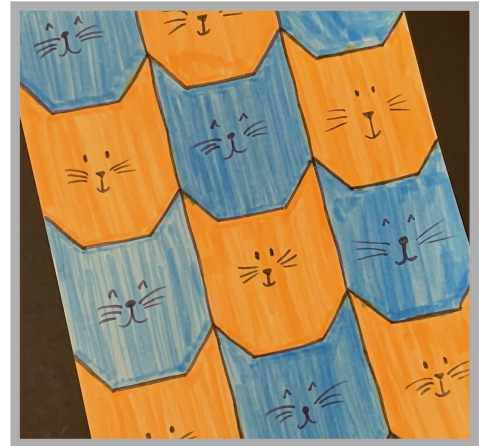
MATERIALS

- Thin cardboard or index card
- Markers, crayons, or colored pencils
- White paper
- Pencil or pen
- Scissors and tape
- Ruler (optional)

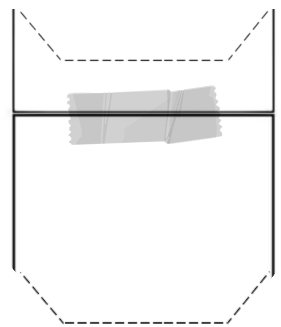
INSTRUCTIONS

1. Cut a 3-by-3-inch square out of thin cardboard. We traced a square notepad onto a recycled cereal box.
2. Draw a line across the square to represent cat ears. See Example A.
3. Cut along the line dividing the square into 2 pieces.
4. Slide the cut piece to the top of the square and align the edges. See Example B.
5. Secure the pieces with tape. Flip the cardboard over and add more tape to complete your cat cutout.
6. Align the cutout to the bottom left edge of your white paper and trace it.
7. Slide the cutout up the edge of your paper aligning it tightly with the last drawing similar to jigsaw pieces.
8. Continue to trace the cutout vertically and horizontally until the entire page is covered. Sometimes shapes will fall off the edge of the paper. Continue to trace what you can. You have created a tessellation!
9. Now add the details: Color in a pattern by alternating colors. Outline the cats with a darker color. Finally, add facial features to complete your cats.

Tessellation - an arrangement of shapes closely fitted together, in a repeated pattern without gaps or overlapping.



Example A



Example B

