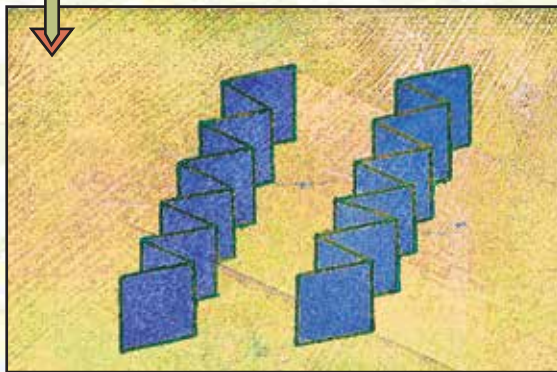


# Cut It Out!

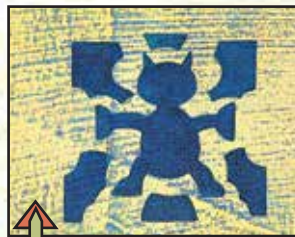
You need ✓ scissors    ✓ strips of paper 5 cm x 30 cm    ✓ a classmate

## Activity One

1. Fold two strips of paper like a concertina.



2. With the fold squeezed together, cut



strip A into a shape that has mirror symmetry



and strip B into a shape that has no mirror symmetry.

Be sure to leave some of the left and right sides attached.

1. Predict what each strip will look like when it is opened up.
2. Once it is opened, describe the symmetry that each strip has.

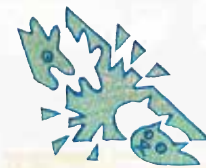
## Activity Two

1. a. Fold a strip of paper into a triangle, like this:

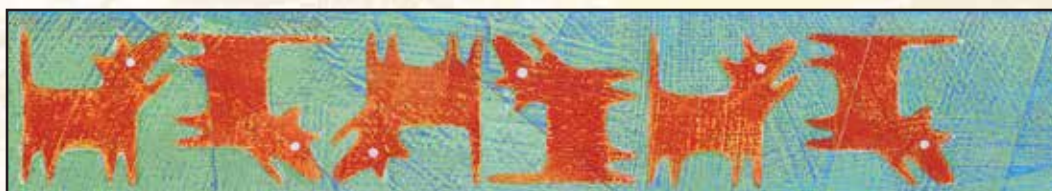


Cut pieces out of the folded triangle.

- b. Predict what the strip will look like when it is opened up.
- c. Once it is opened, describe its symmetry.



2. This strip was not made by folding and cutting.



- a. How might it have been made?
- b. Describe its symmetry.
- c. Draw the next segment of the strip.
- d. Discuss with a classmate the relationship between the first and the fifth segments. What other relationships can you see?
- e. Make a strip of your own design in the same way. Ask your classmate about relationships within your strip.