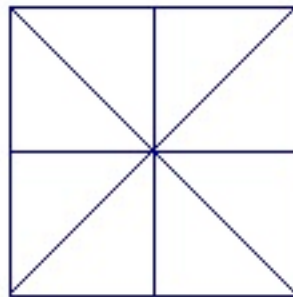


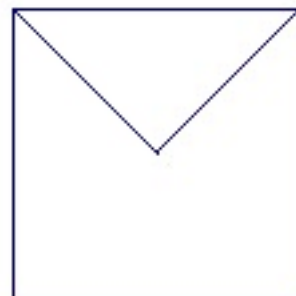
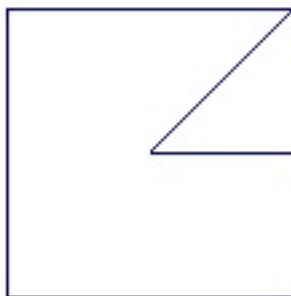
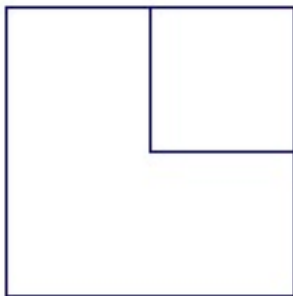
# Simple Kaleidoscopes

## Activity 2. Square.

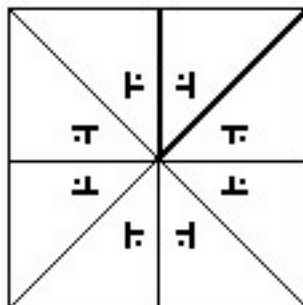
Construct a square with all its mirror lines on it.



- a) Place the hinged mirrors along two mirror lines, with the mirrors meeting in the center of the square. If you look between the mirrors you should see the entire square.



- b) *What can you say about the angles that will form a complete square when reflected?*



- c) Place a few tiny objects between the two mirrors. If you look you will see a pattern that is kaleidoscopic.

Explain why the kaleidoscopic image is formed.