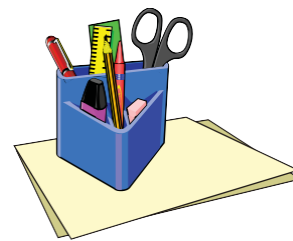


Activity 12



OBJECTIVE

To make a tangram and to form different shapes using its pieces

MATERIAL REQUIRED

Cardboard, grid paper, scissors, pen/pencil, different colours, geometry box, glue

METHOD OF CONSTRUCTION

1. Take a cardboard of convenient size and paste a grid paper on it.
2. Make a square of side, say, 8 units.
3. Draw the line segments as shown in Fig. 1.
4. Cut it along the dotted lines and obtain 7 pieces as shown in Fig. 2.

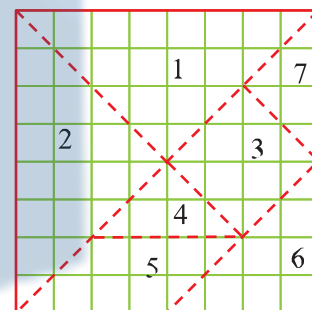


Fig. 1

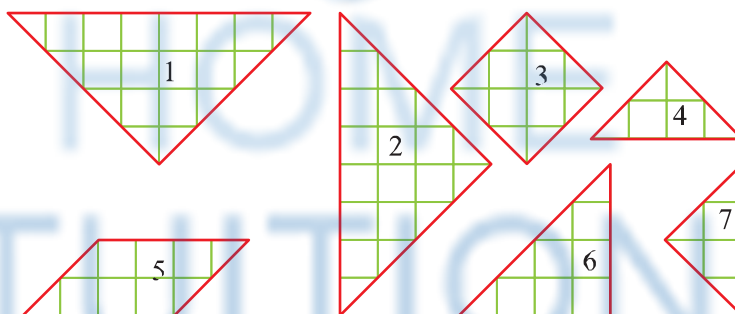


Fig. 2

DEMONSTRATION

1. The seven pieces obtained in Fig. 2 are pieces of a tangram.
2. These seven pieces may be arranged in different ways to get different shapes as shown in Fig. 3.

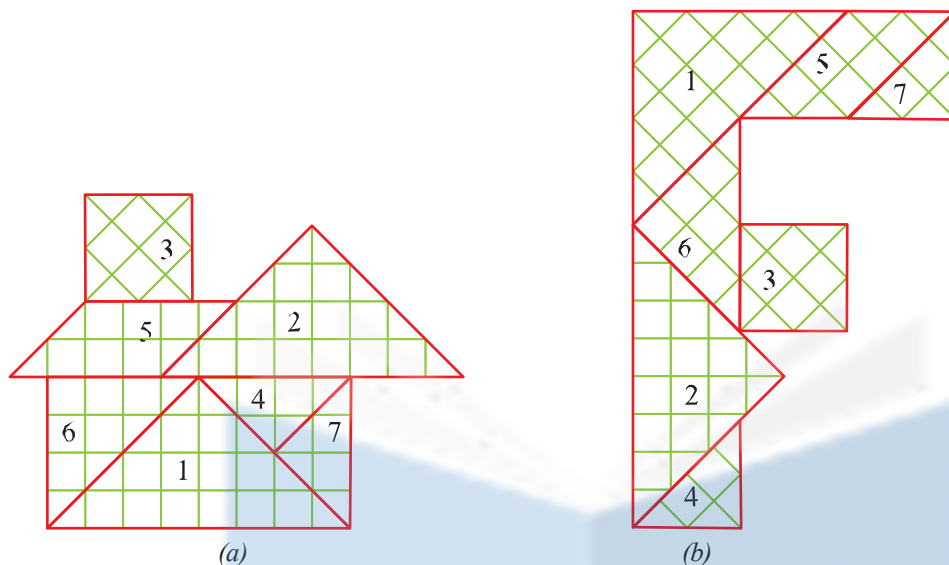


Fig. 3

Try to make other shapes using these seven pieces.

OBSERVATION

1. Number of pieces of the tangram : _____
2. Number of triangles is : _____
3. Number of parallelograms is : _____
4. Number of squares is : _____
5. Shape in Fig. 3 (a) looks like a : _____
6. Shape in Fig. 3 (b) looks like a : _____

APPLICATION

1. This activity helps in understanding different geometrical shapes.
2. Children may form different shapes like letters of English alphabets, digits 0 to 9 using all the seven pieces.
3. Children may be encouraged to make some other shapes/designs using the pieces of tangrams.