

Chapter 1: Where to Look from?

NCERT · Class 3 · Maths

Questions

Question 1

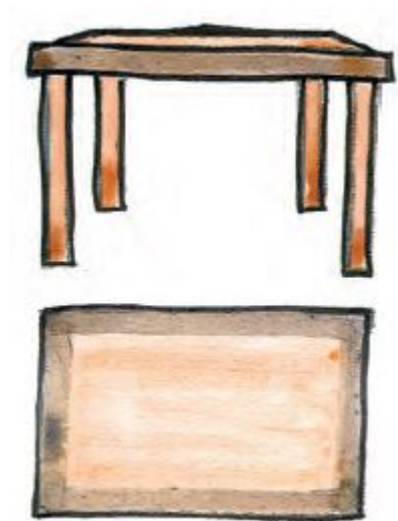
Have you looked at things from different sides? Do they look the same or different?

Solution

Yes, I have looked at things from different sides. Most of them do not look the same from different sides.

Question 2

Look at the pictures drawn here. How does the table look from the side? Which picture is from the top?



Solution

From the side, the table looks like this-



The picture from the top is-



PRACTICE TIME

Question A:

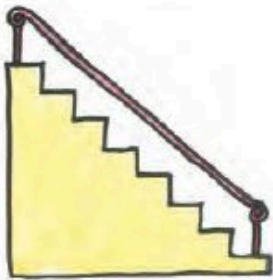
A cat is peeping into a classroom. Can you help her find out where the teacher is?



The teacher is standing in front of the students near her table.

Question B:

Here are some pictures. Find out from where you have to look to see the things this way.



Staircase



Staircase



Table



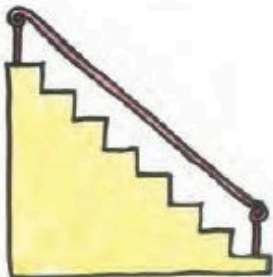
Chair



Pencil



Bus



Staircase

From the side



Staircase

From the Top



Table

From the Top



Chair

From the side



Pencil

From the Top



Bus

From the side

Question C:

Draw top views of a few things and ask your friends to guess what they are.

Top view of a train

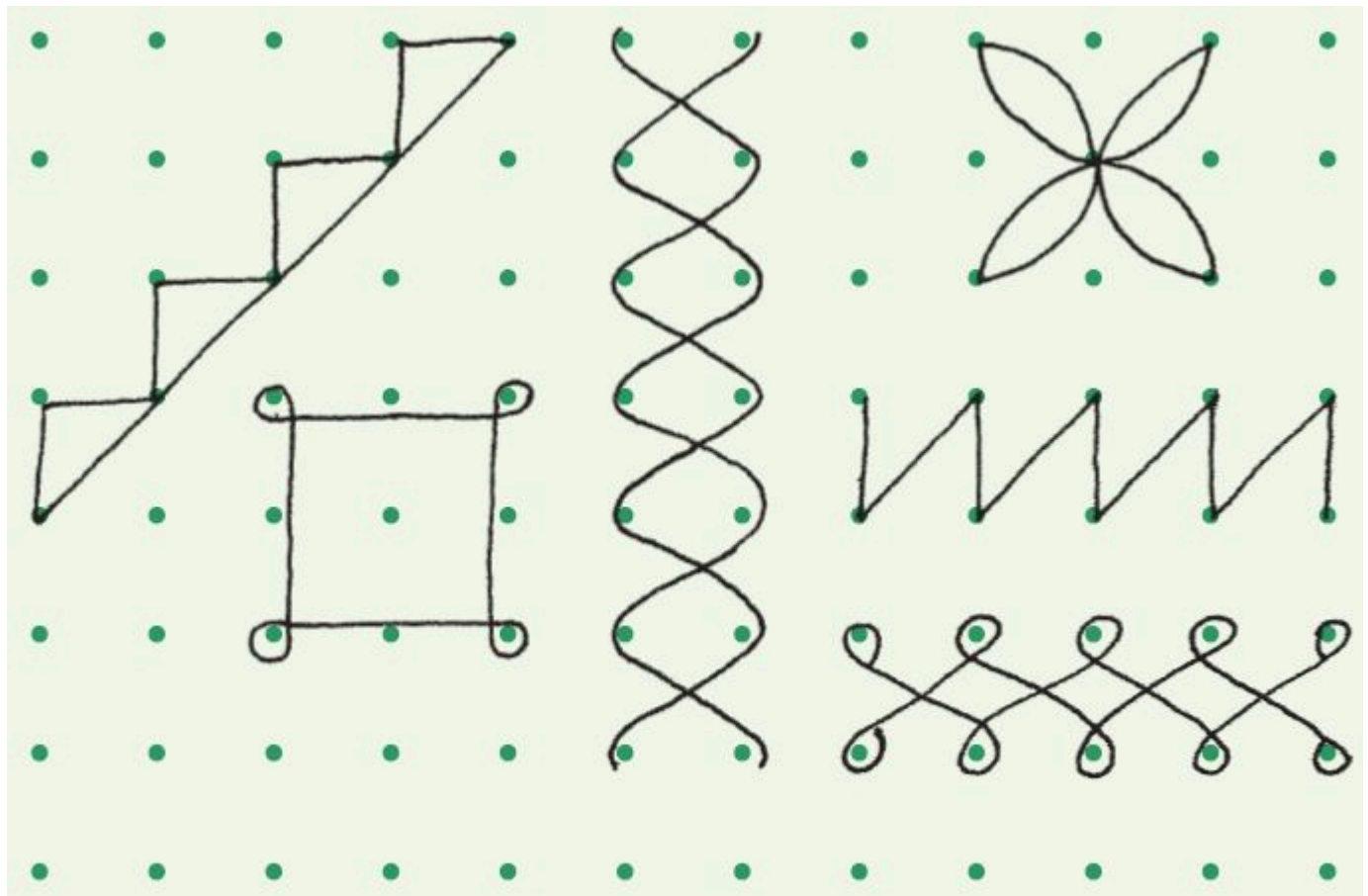
Top view of a sofa

Top view of a bottle

MAKE THE OTHER PATTERNS YOURSELF

Question 1

Copy these shapes on the dot grid. Note that some lines in the shapes are straight and some are not.

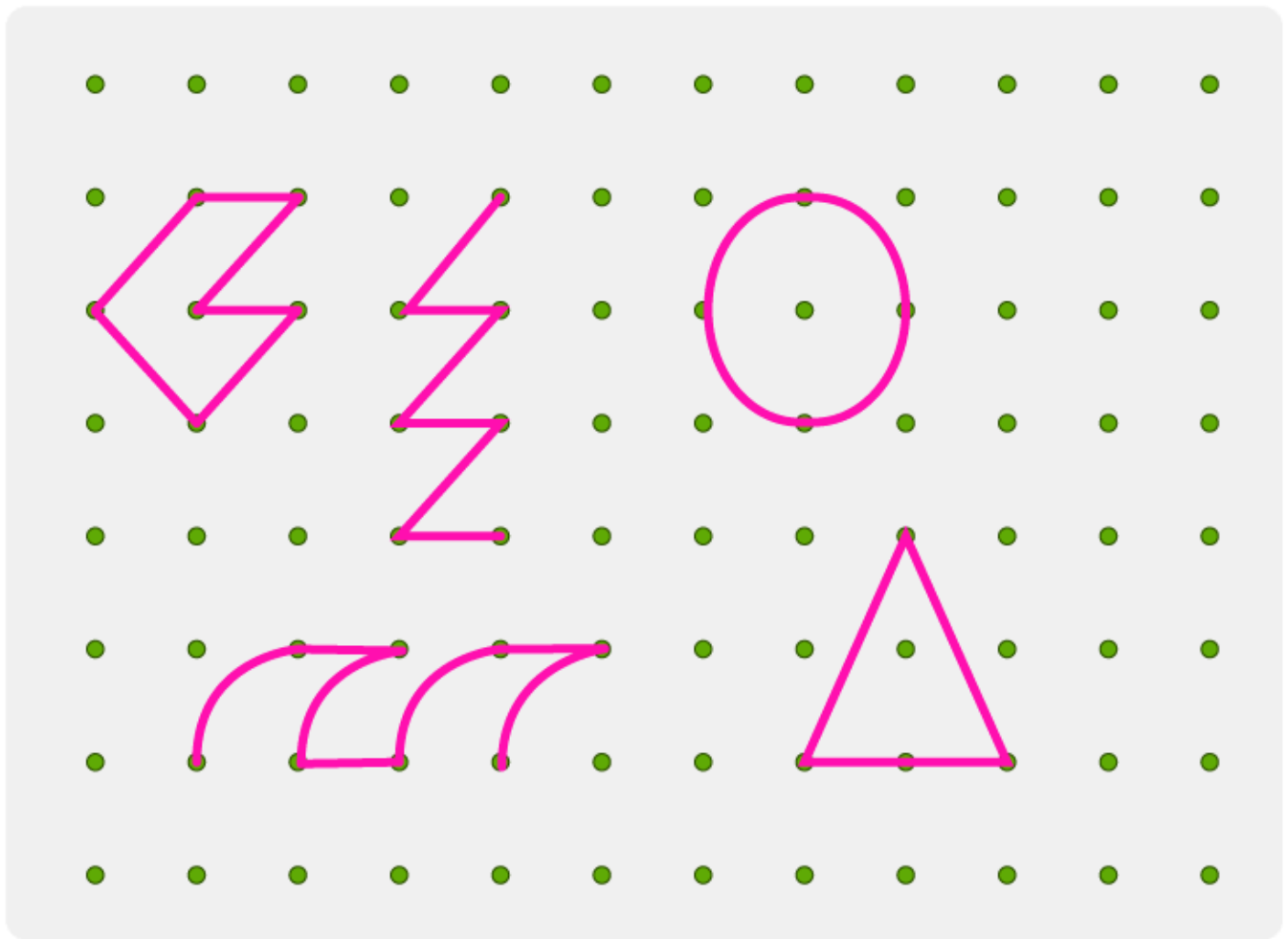


The image displays a 5x5 grid of green dots. Several pink paths are drawn on the grid:

- Top-left:** A path starting at (1,4), moving right to (2,4), then down to (2,3), left to (1,3), down to (1,2), right to (2,2), down to (2,1), and finally right to (3,1).
- Bottom-left:** A square path connecting (2,1), (4,1), (4,4), and (2,4) with thick circular nodes at each corner.
- Center:** A vertical figure-eight path that crosses itself at (3,3) and has thick circular nodes at (3,1) and (3,5).
- Top-right:** A flower-like shape with five petals, each petal formed by two intersecting arcs, with thick circular nodes at the five outer points.
- Bottom-right:** A zigzag path starting at (1,4), moving right to (2,4), down to (2,3), right to (3,3), down to (3,2), right to (4,2), down to (4,1), right to (5,1), and finally down to (5,2).
- Bottom-most:** A diamond lattice path connecting (1,4), (2,3), (3,2), (4,1), and (5,2) with thick circular nodes at each point.

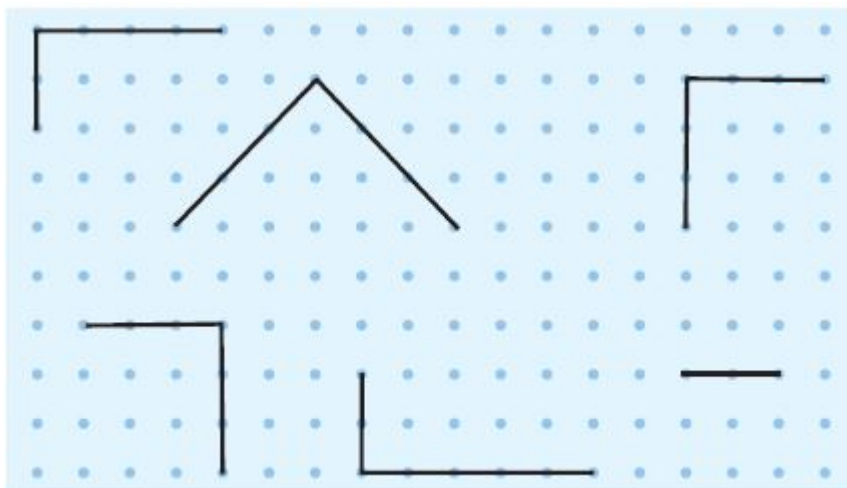
Use the dot grid given below to draw your own designs and shapes.

Solution

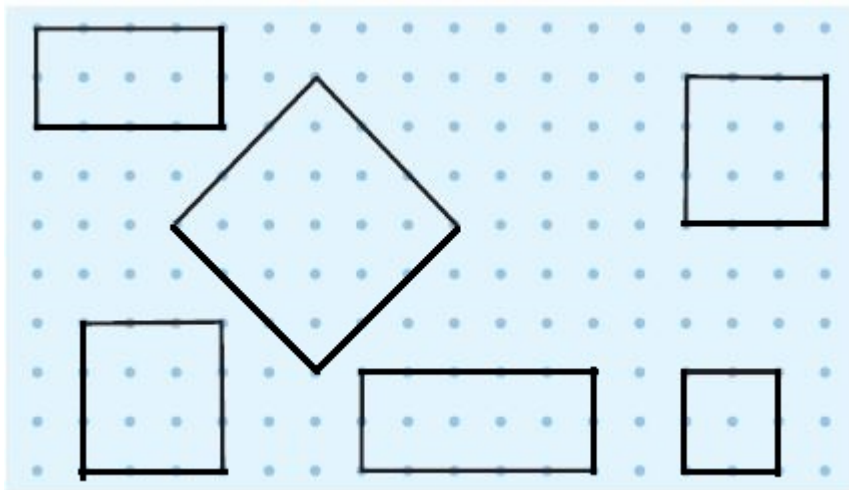


Question 3

Complete these figures to make squares and rectangles.



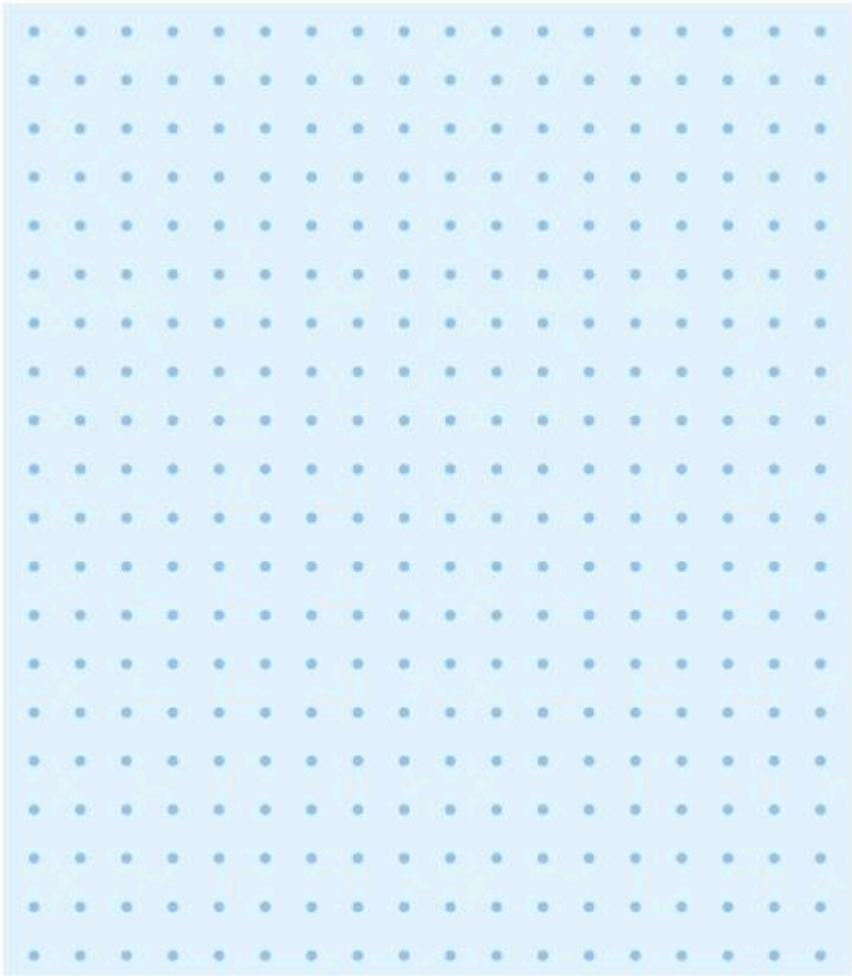
Solution



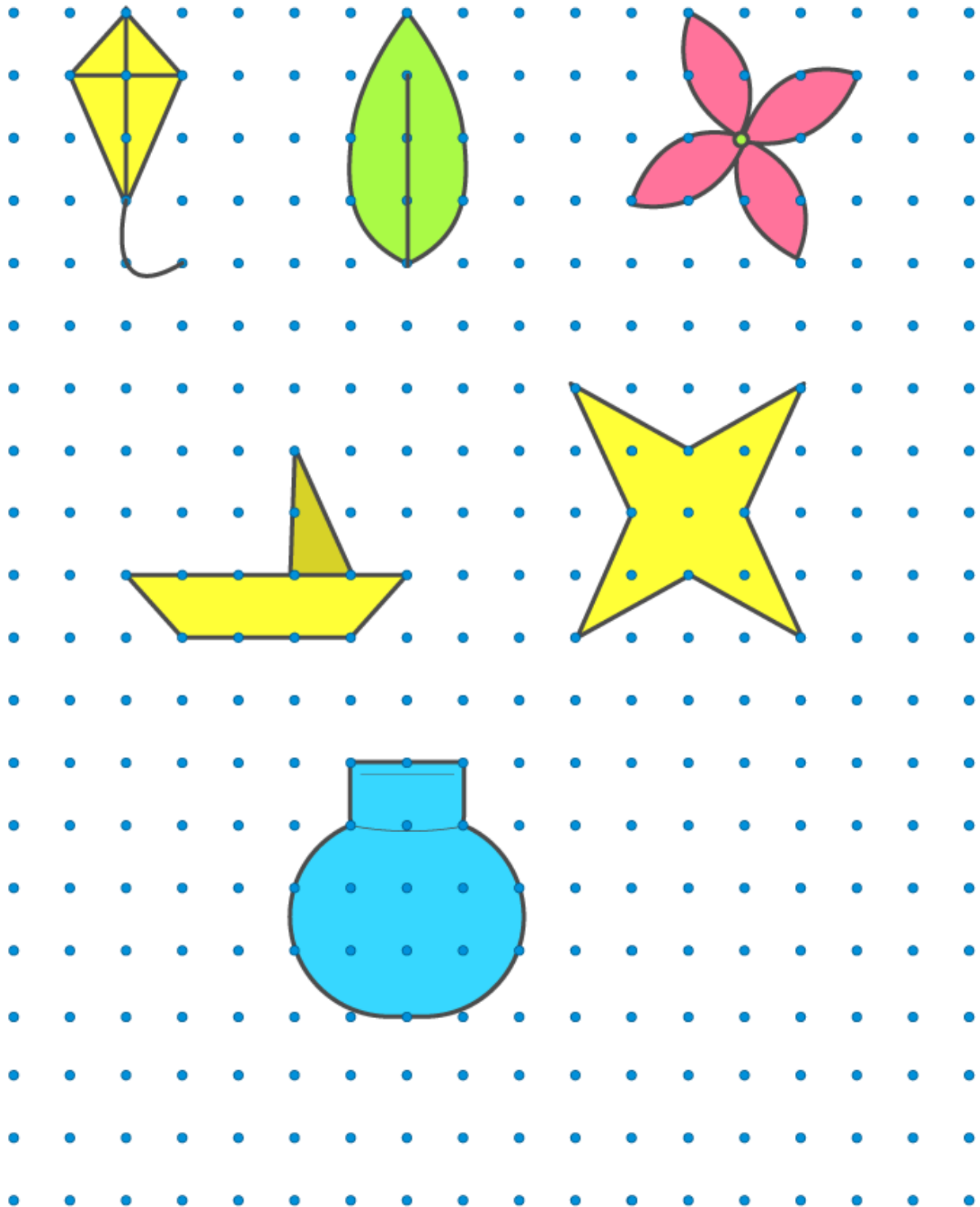
Question 4

On the dot grid given below, draw the following:

(a) a kite (b) a leaf (c) a flower (d) a boat (e) a star (f) a pot



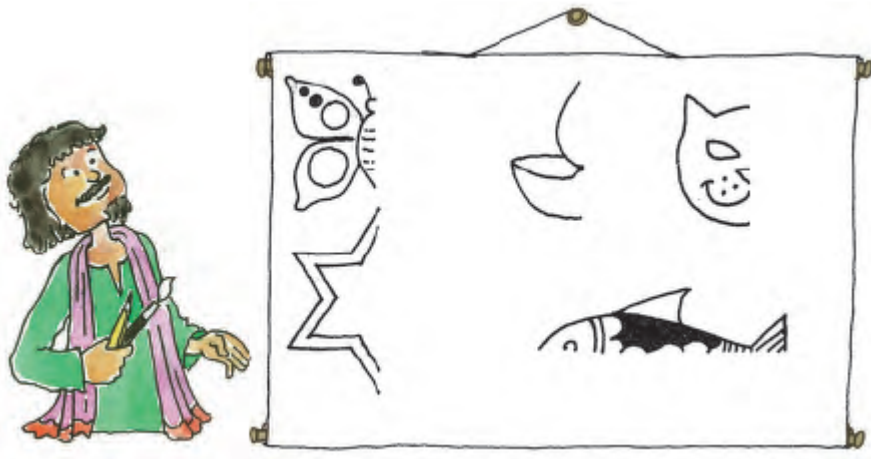
Solution



TIT FOR TAT

Question 1

The painter had made many such pictures in which he drew only one half of the things. Draw the other half of these pictures and find out what these things are. Try doing it with a mirror.



Solution



Question 2

If you ask the painter to draw things which cannot be divided into two similar mirror halves, then he cannot play the trick. Draw three more such things which do not have similar mirror halves.

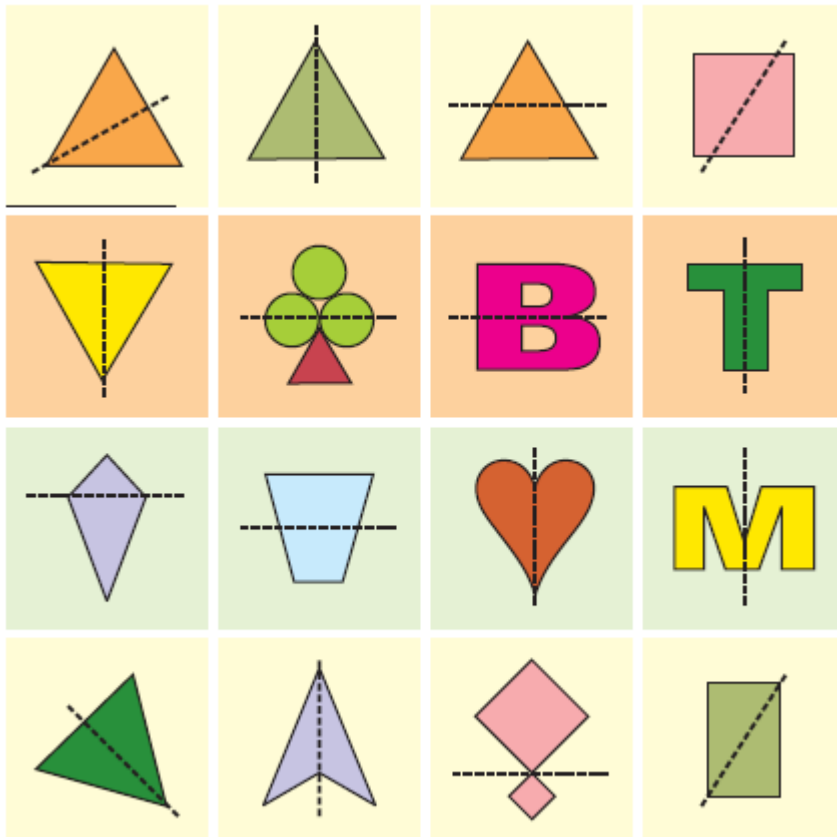
Solution



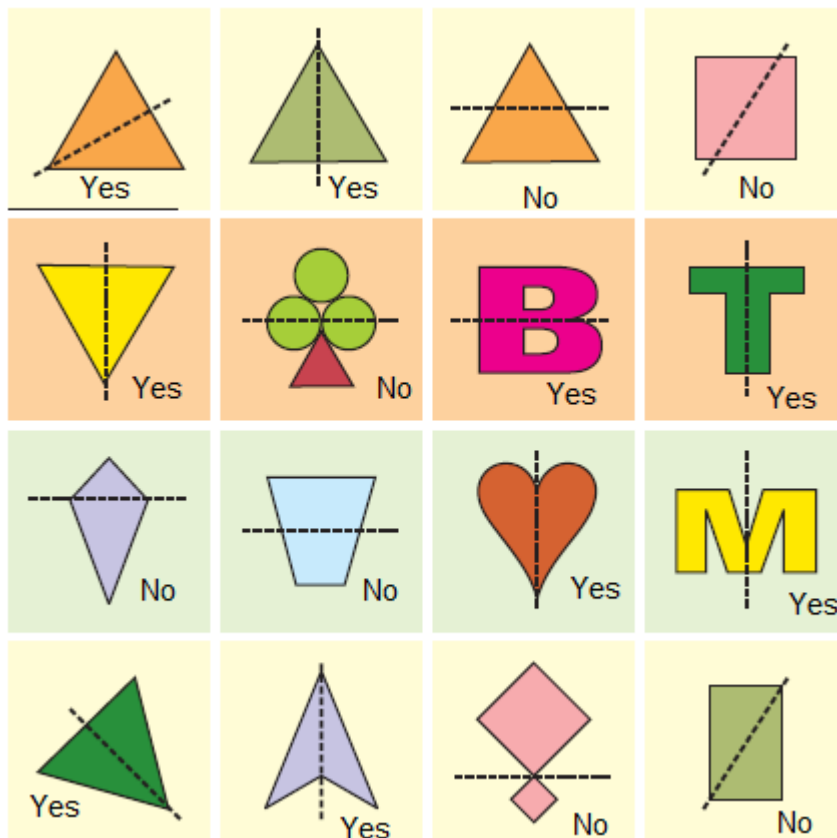
MIRROR HALVES

Question 1

Look at the pictures given below. Does the dotted line divide each picture into two similar mirror halves?



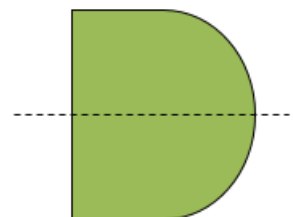
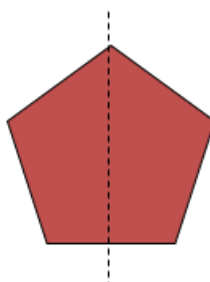
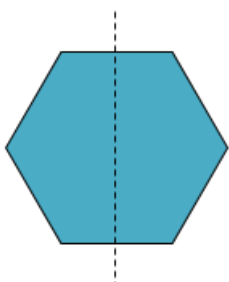
Solution



Question 2

Give some more examples.

Solution



Question 3

Using a dotted line, can you divide the following pictures into two similar halves?



Solution



Question 4

Can you guess these letters from their halves?



Solution

A C H U B K

Question 5

Guess the words by looking at their halves.



Solution

How Wax Cooked Dice