

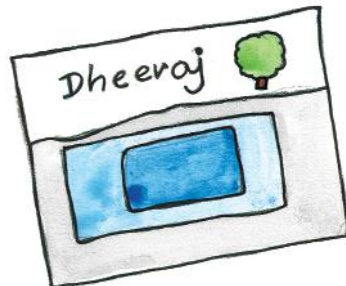


Where to Look From

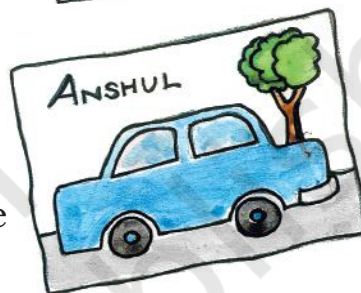


0325CH01

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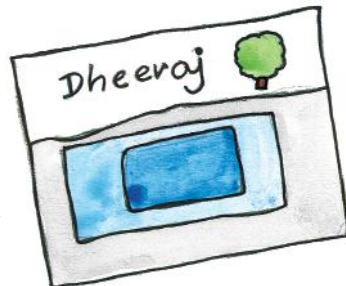


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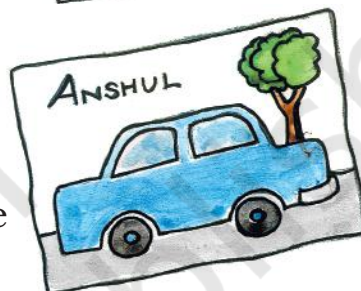


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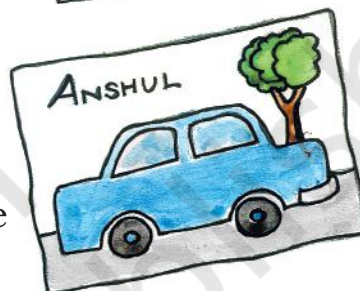
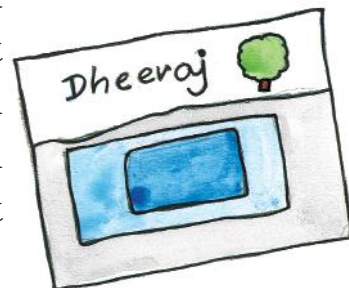
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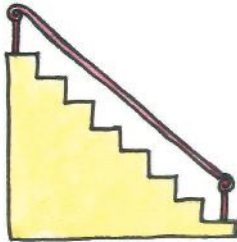


Practice Time

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



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Staircase



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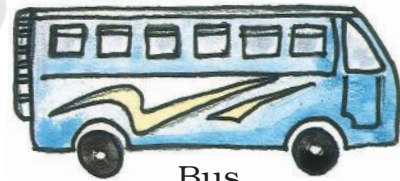
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Chair

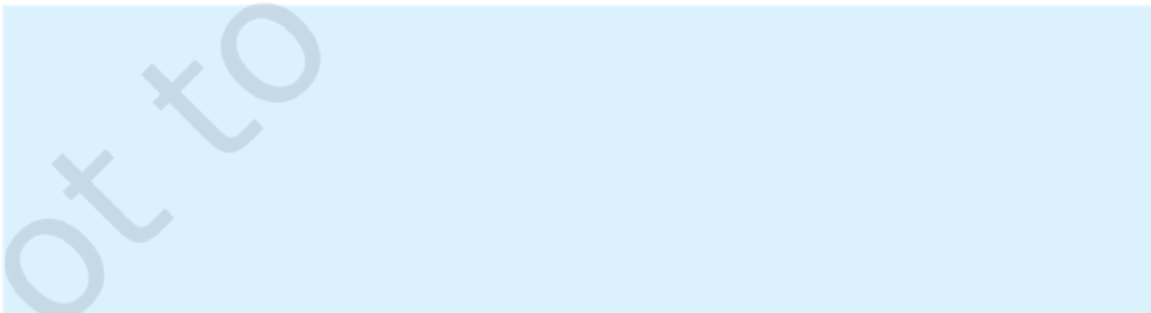


Pencil

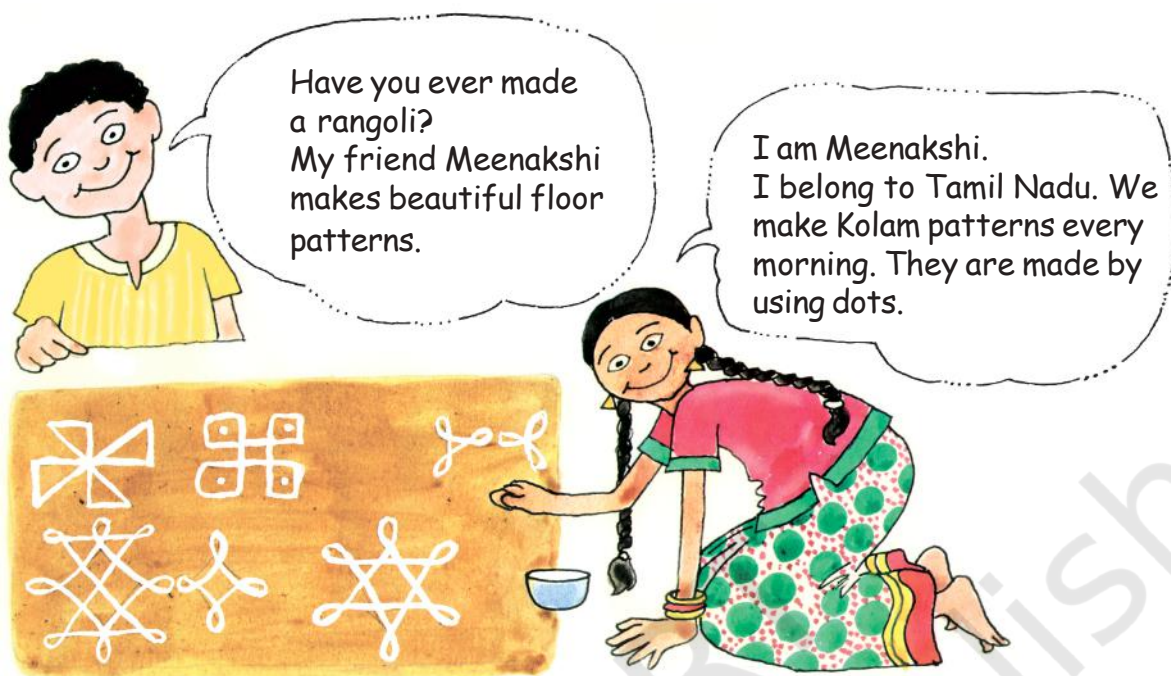


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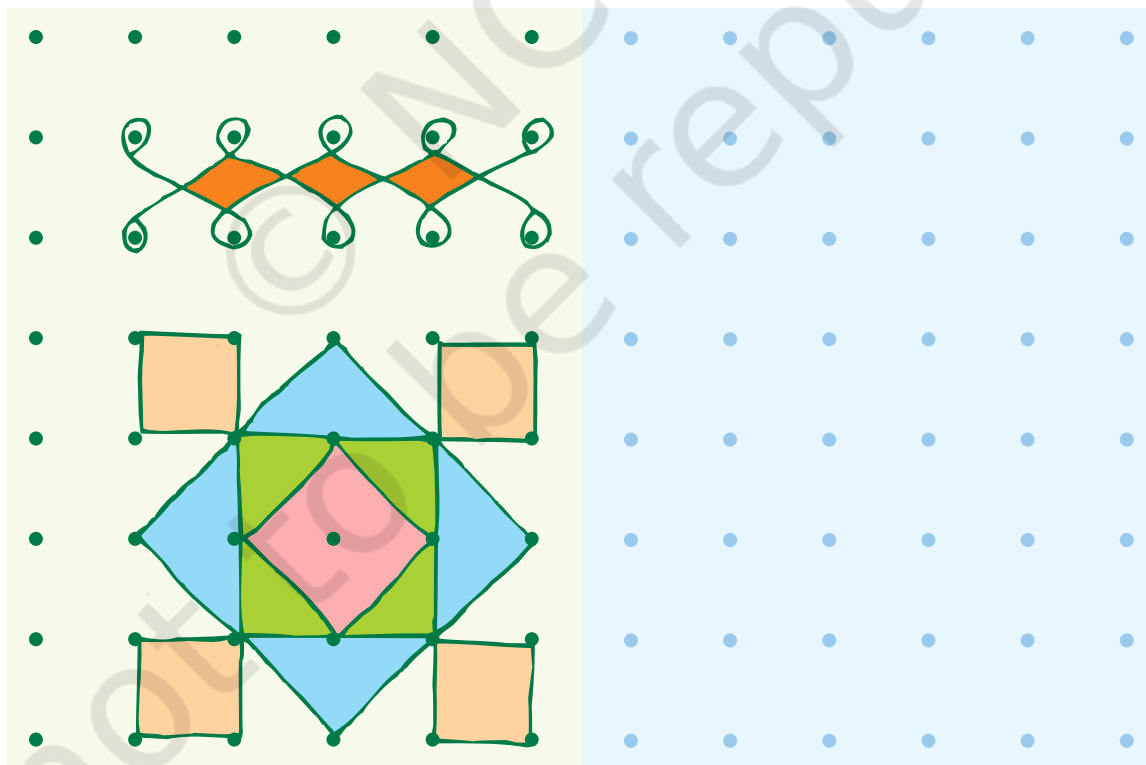
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Rangoli

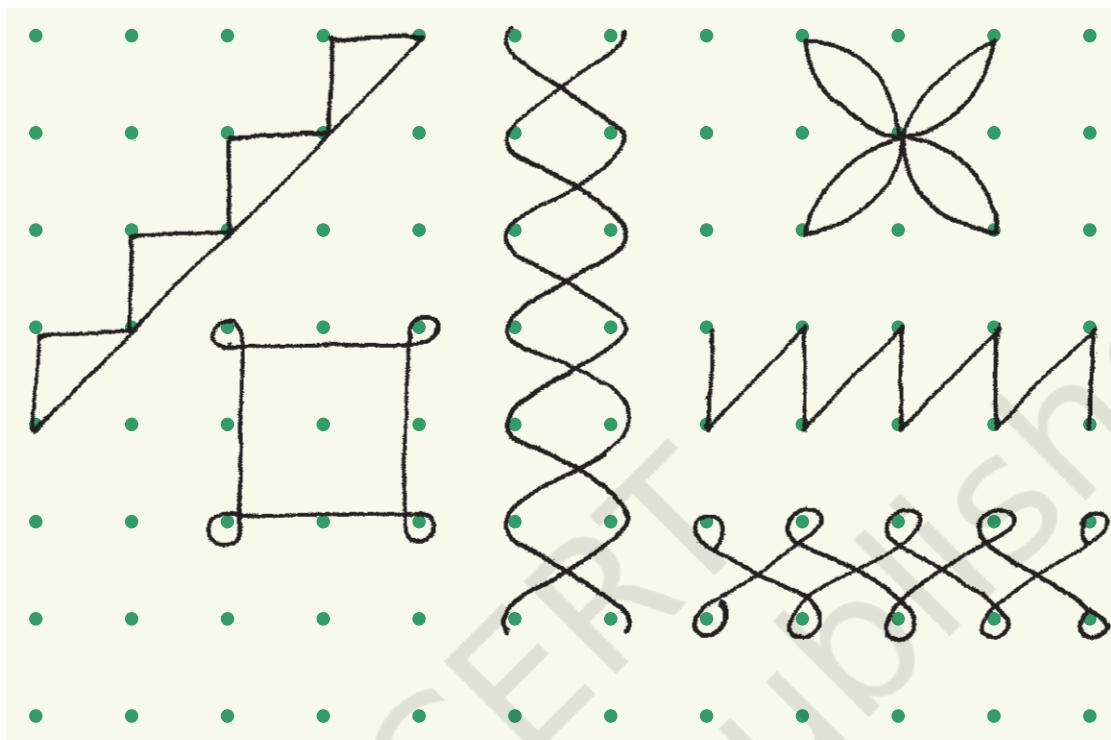


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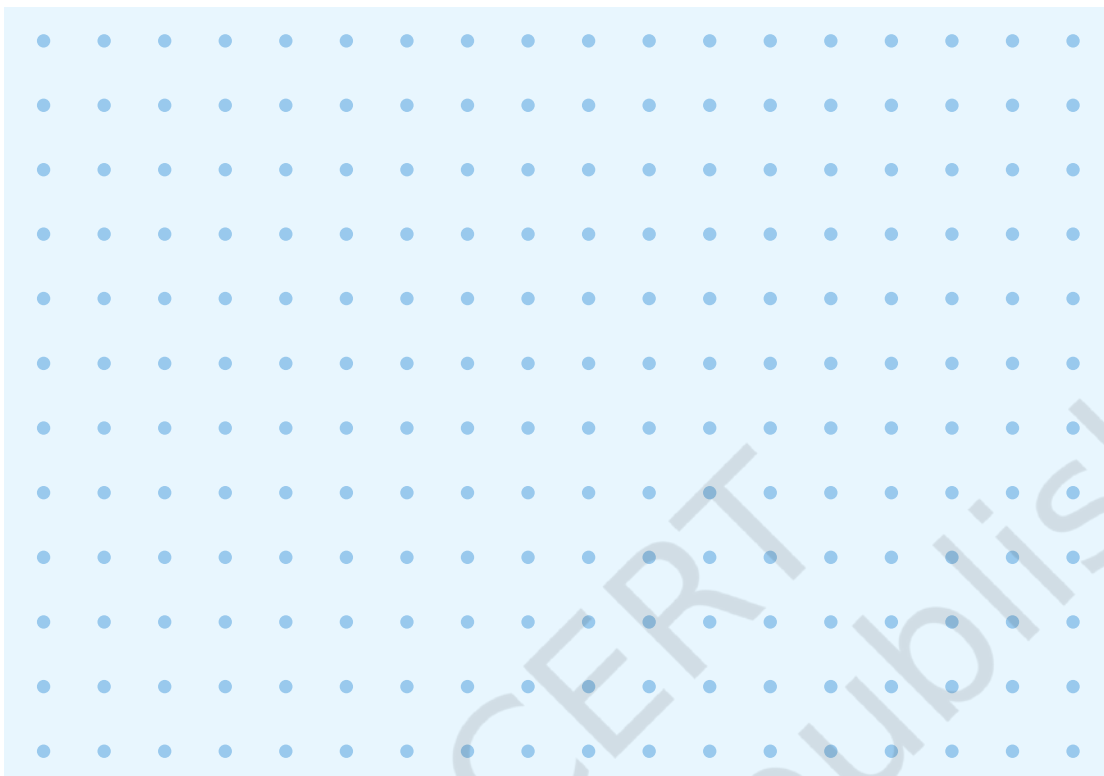


Make Other Patterns Yourself

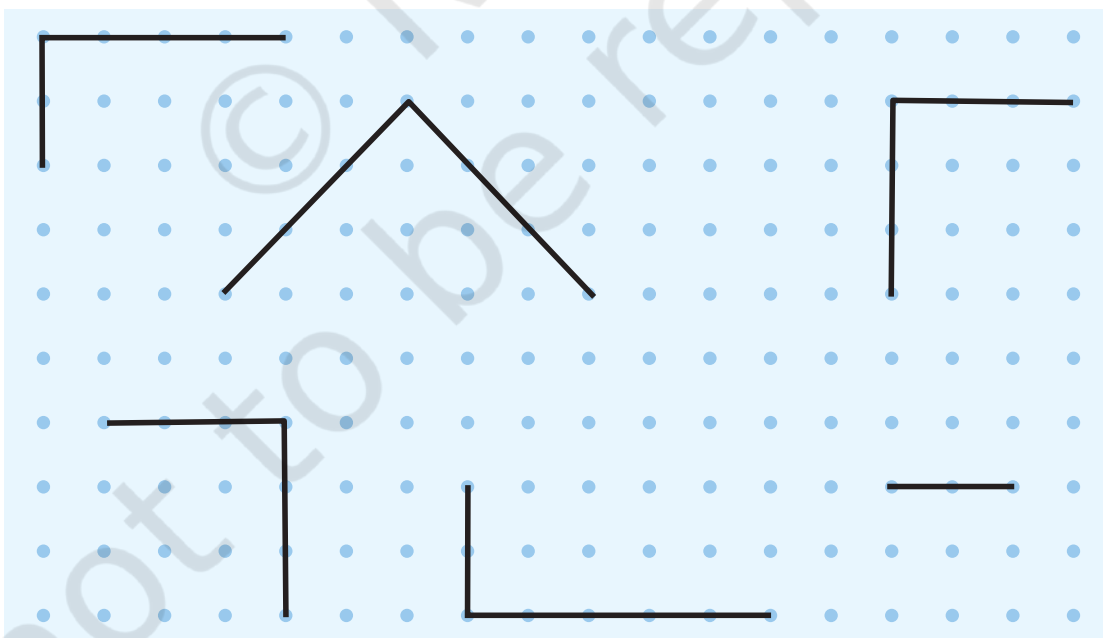
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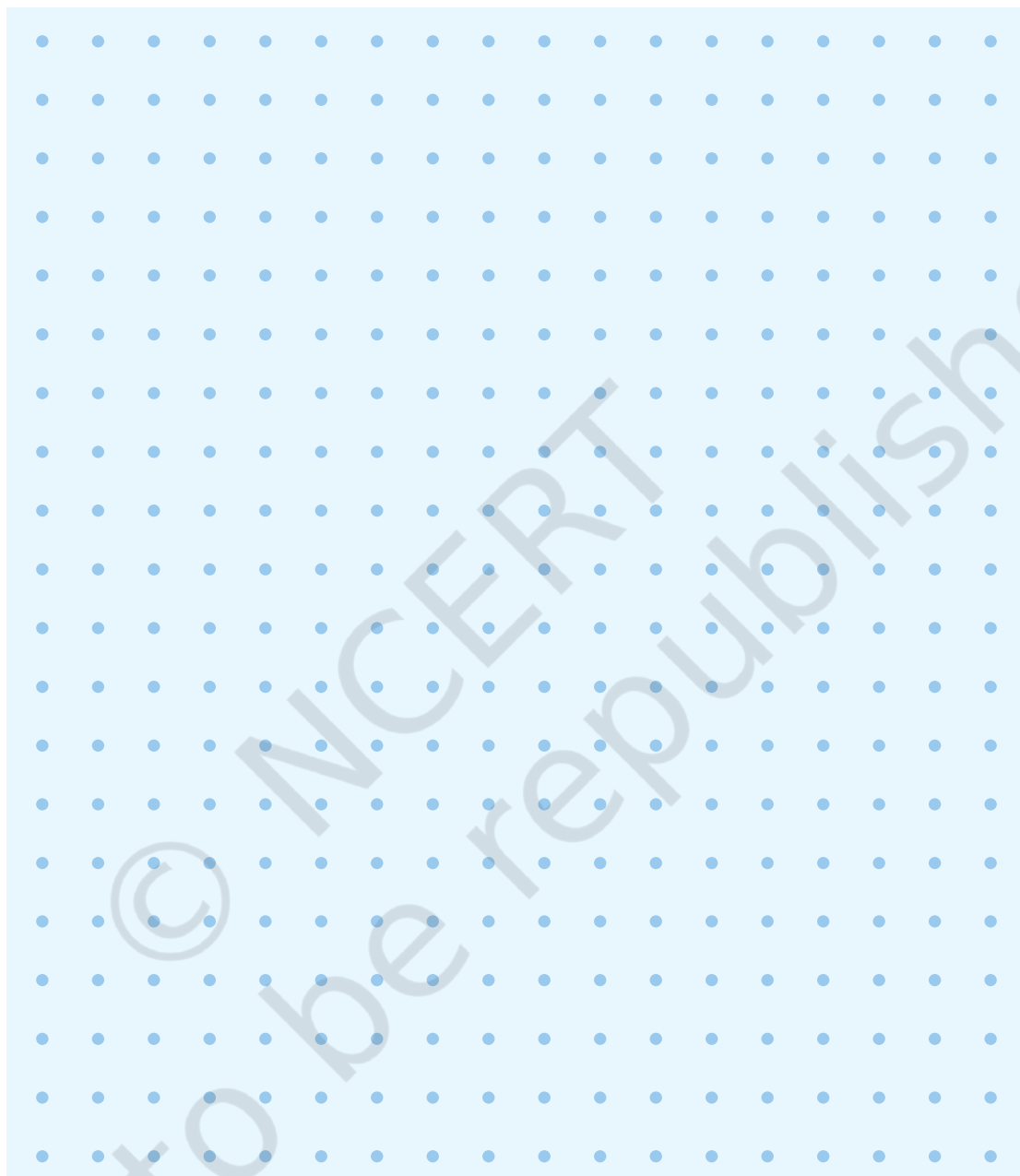


3. Complete these figures to make squares and rectangles.



4. On the dot grid given below, draw the following:

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|-----------|-----------|-------------|
| a) a kite | b) a leaf | c) a flower |
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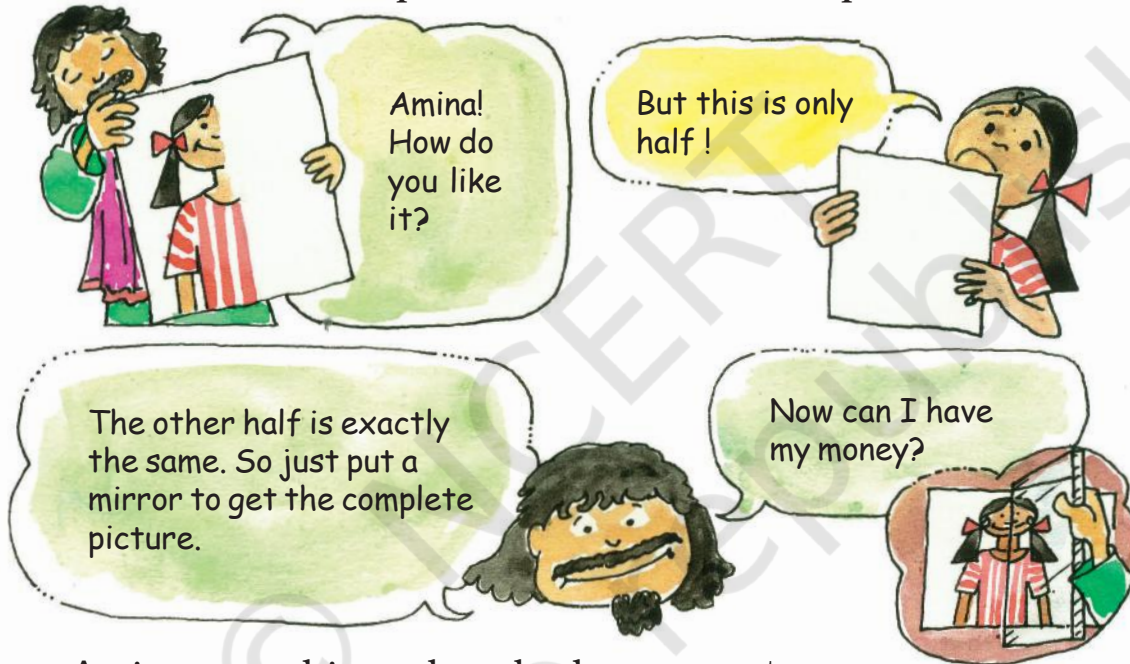
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Tit for Tat

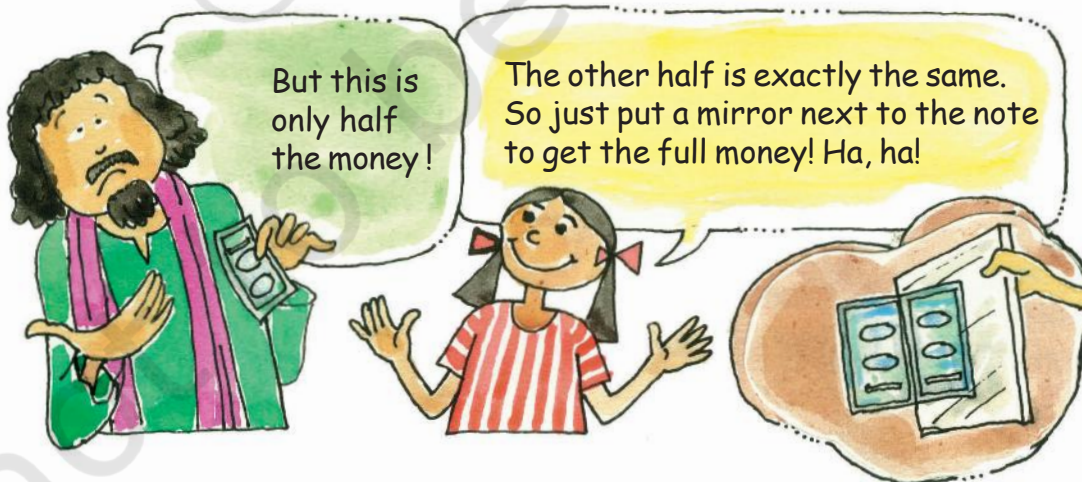
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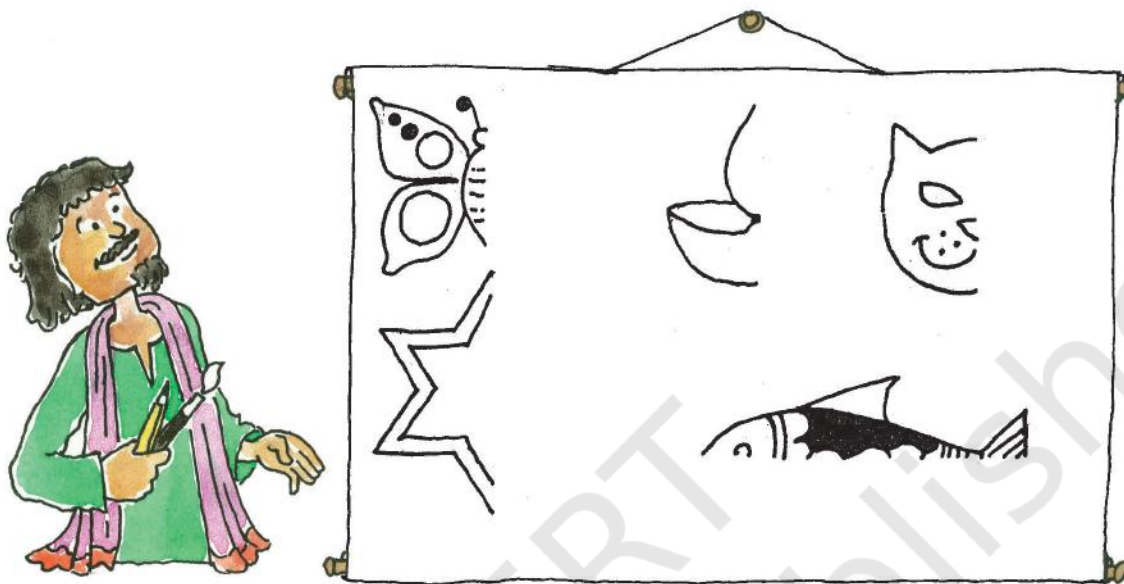
After a while the painter showed her the picture.



Amina gave him a hundred-rupee note.



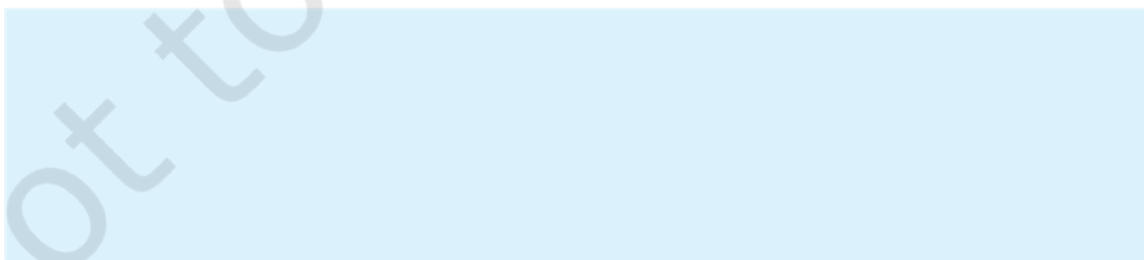
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Can we repeat the painter's trick, while drawing pictures of the following?

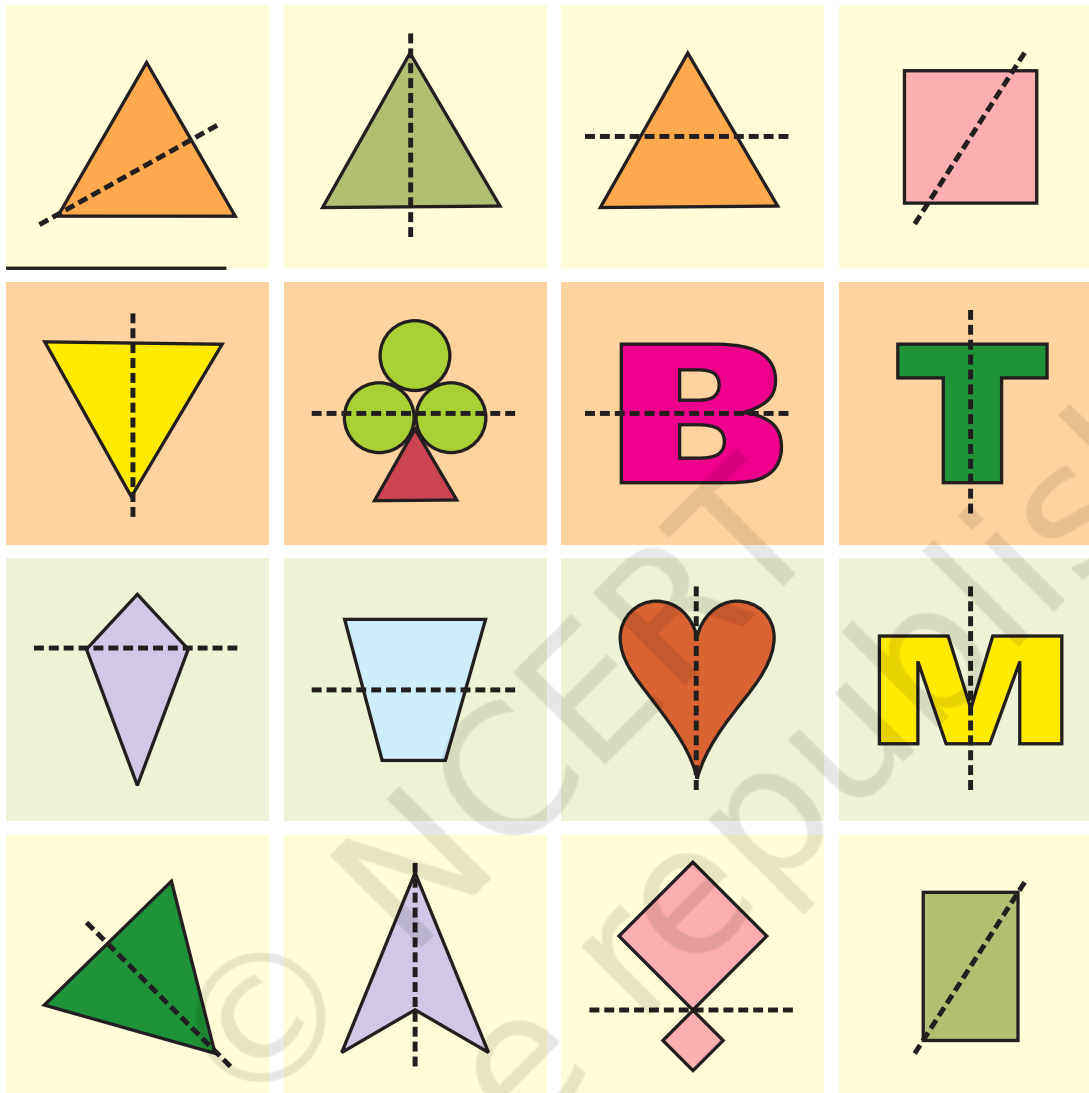


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Mirror Halves

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



Give some more examples.

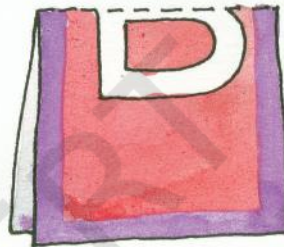
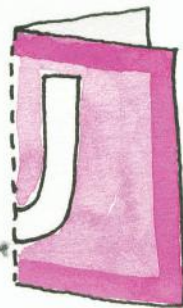
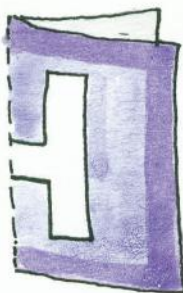
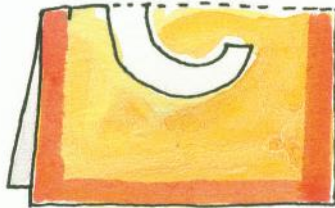


In two rectangles above, the dotted line cuts each into identical halves, but note that they are not mirror halves?

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

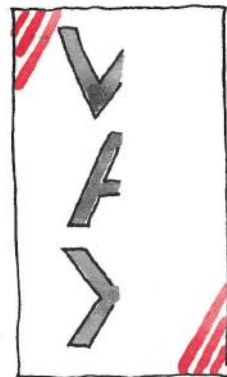
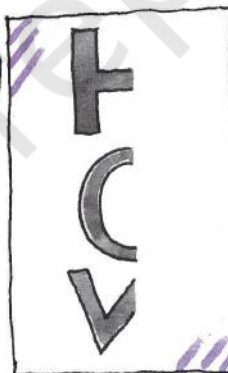
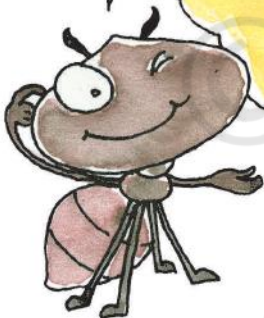


Can you guess these letters from their halves?

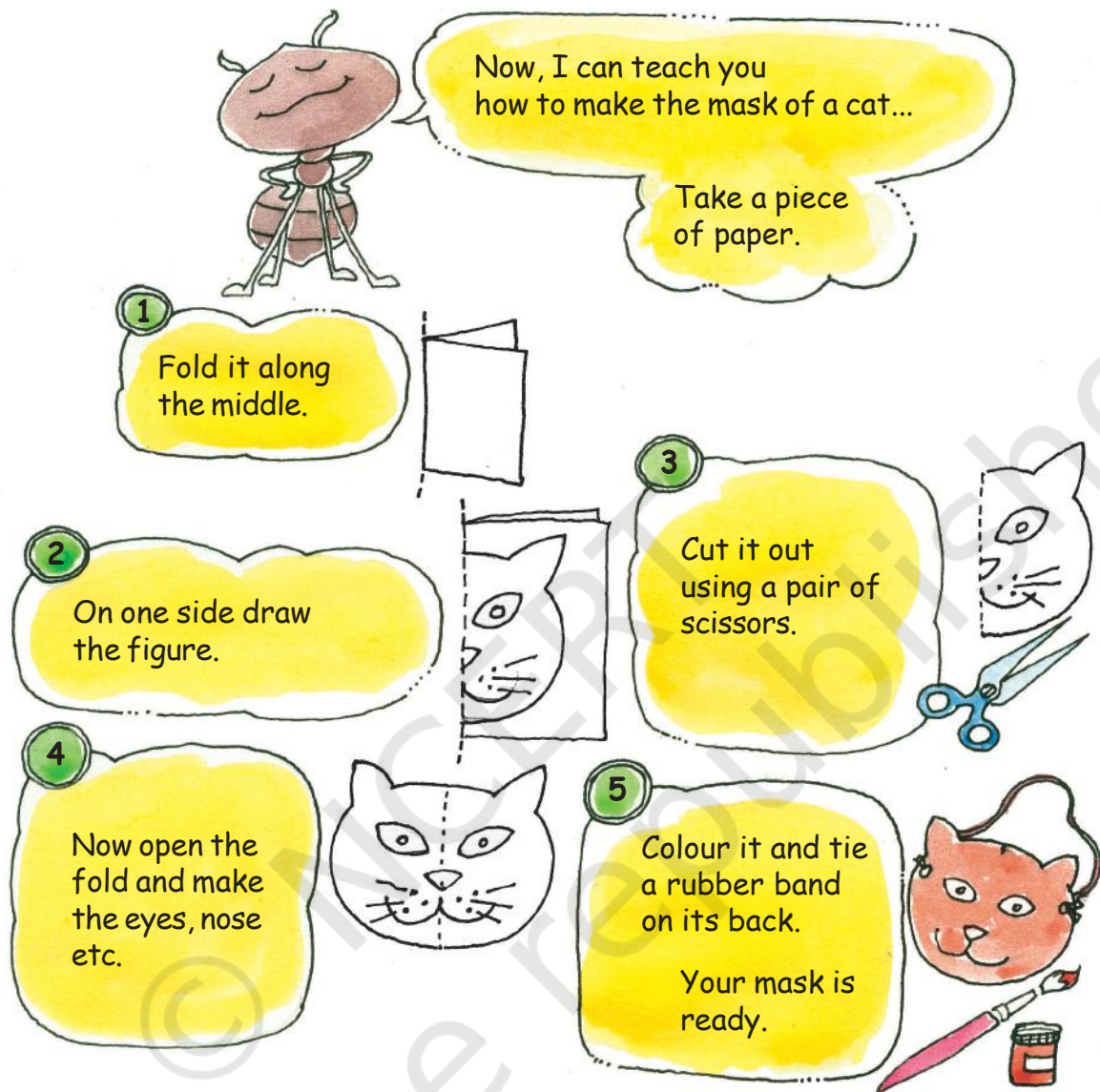


Using such letters we can also make words which have similar halves.

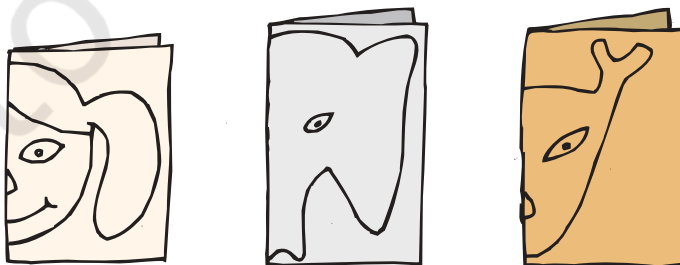
Guess the words by looking at their halves.



Making A Mask



You can make more such masks by taking help from the following pictures.

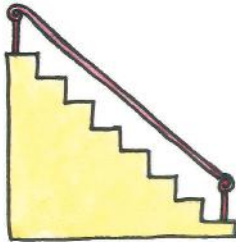


Practice Time

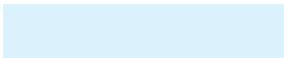
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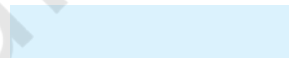
Staircase



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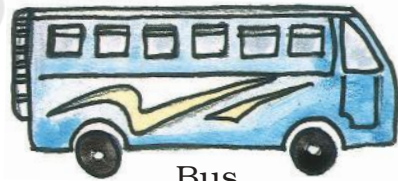
Table



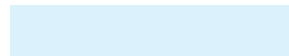
Chair



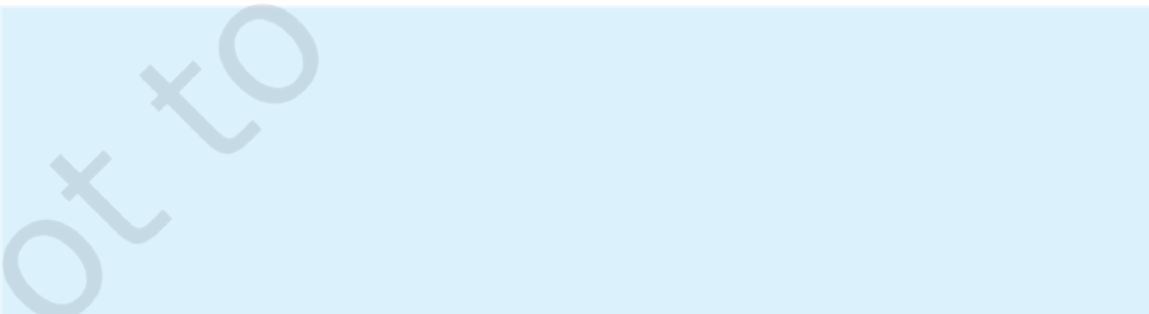
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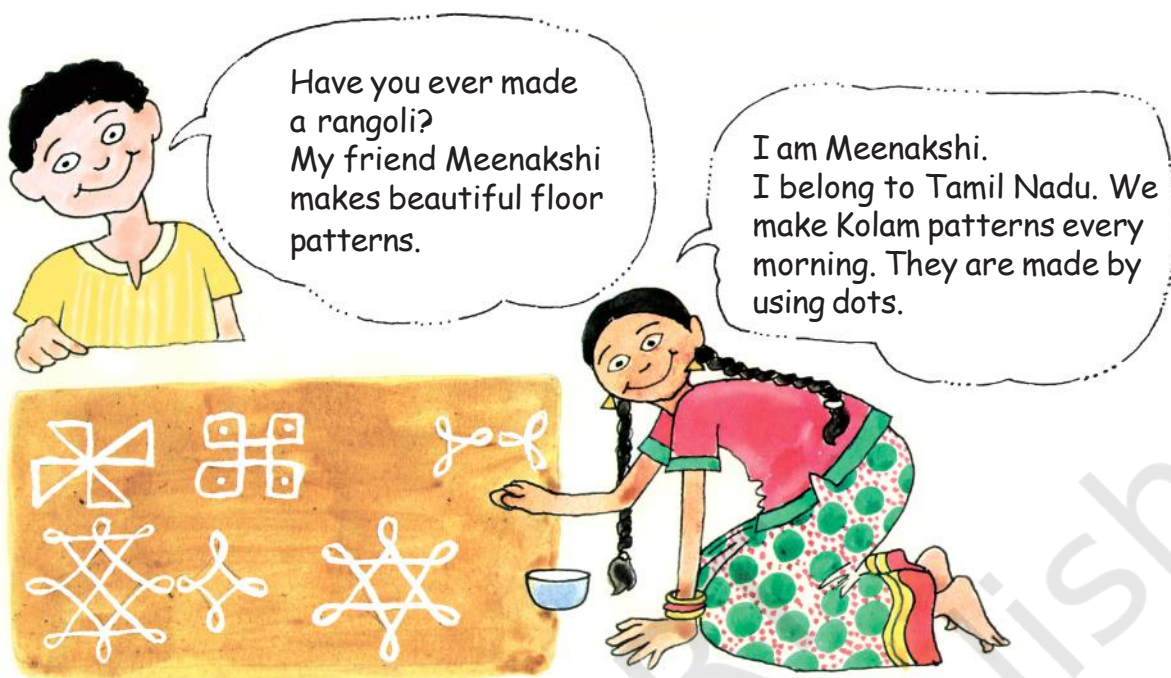
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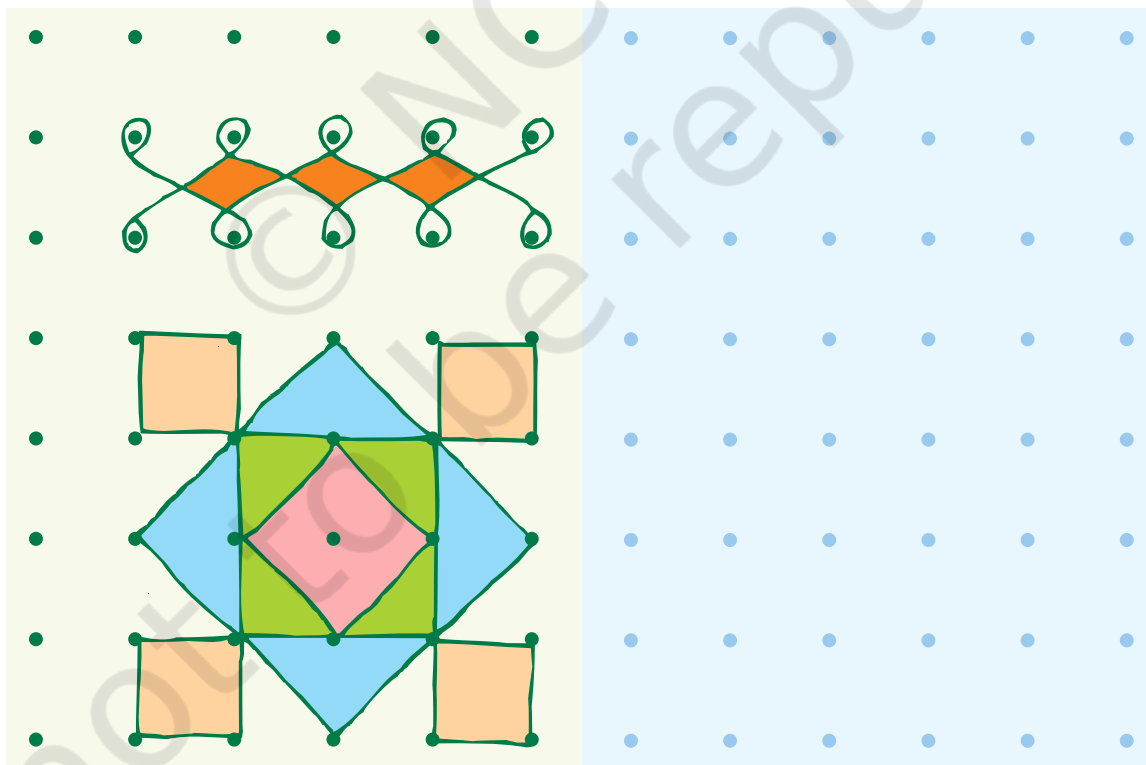
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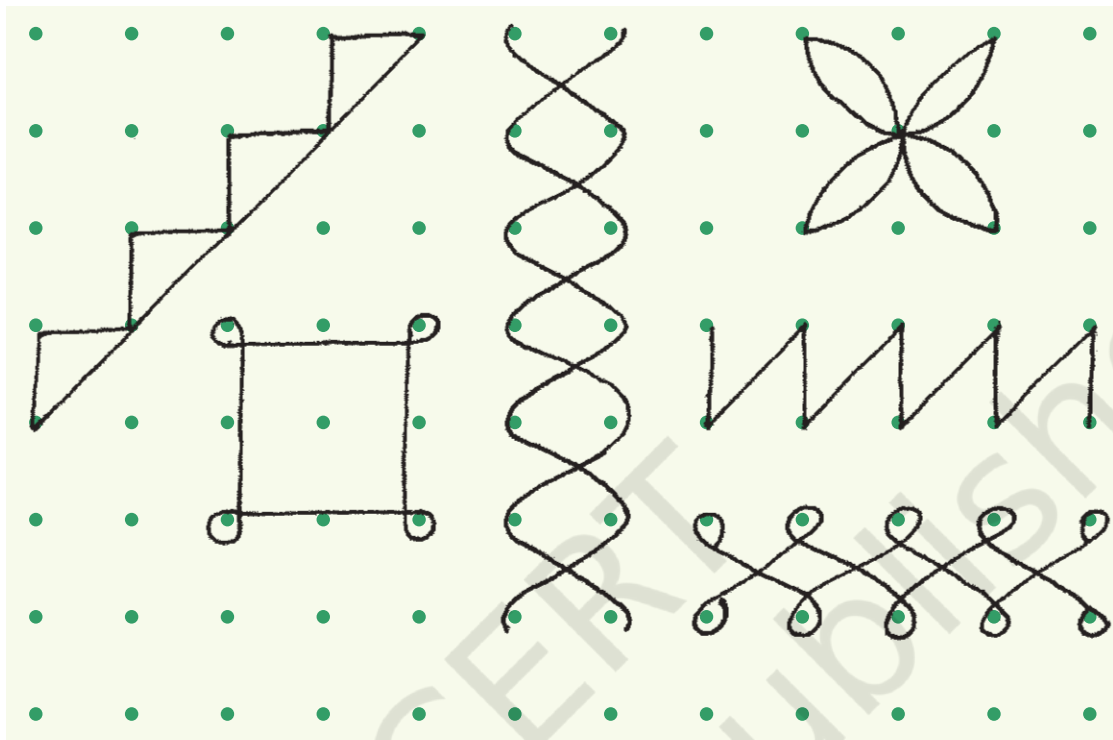


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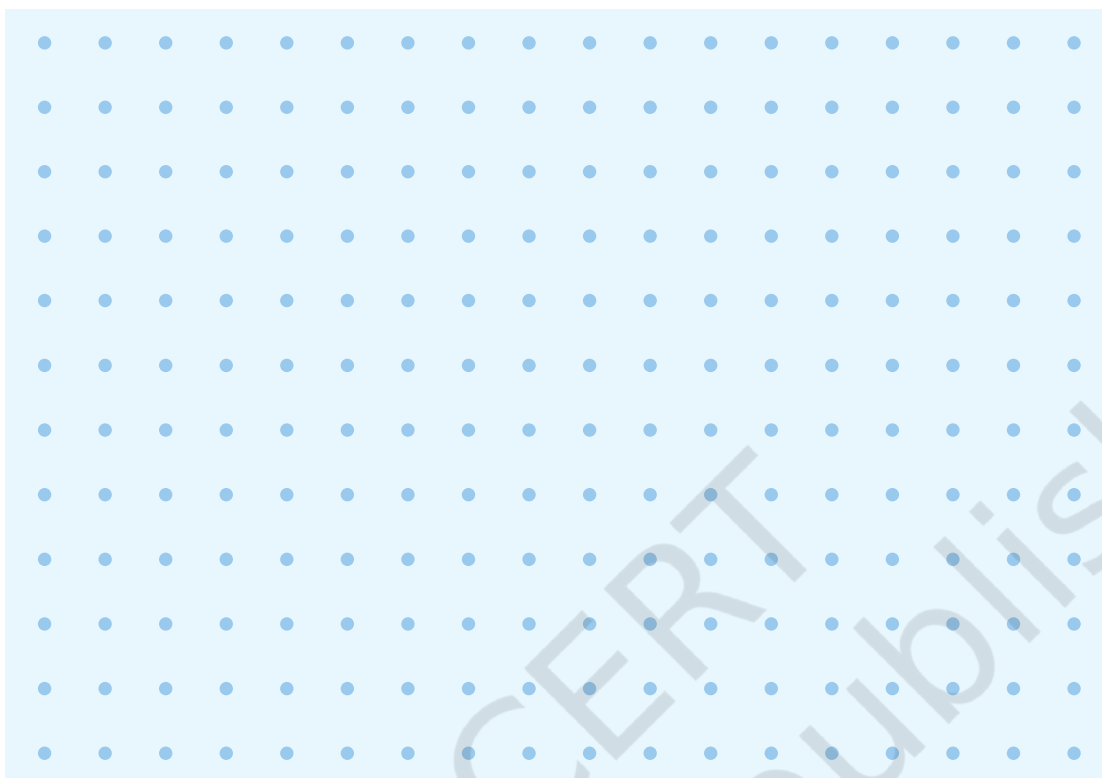


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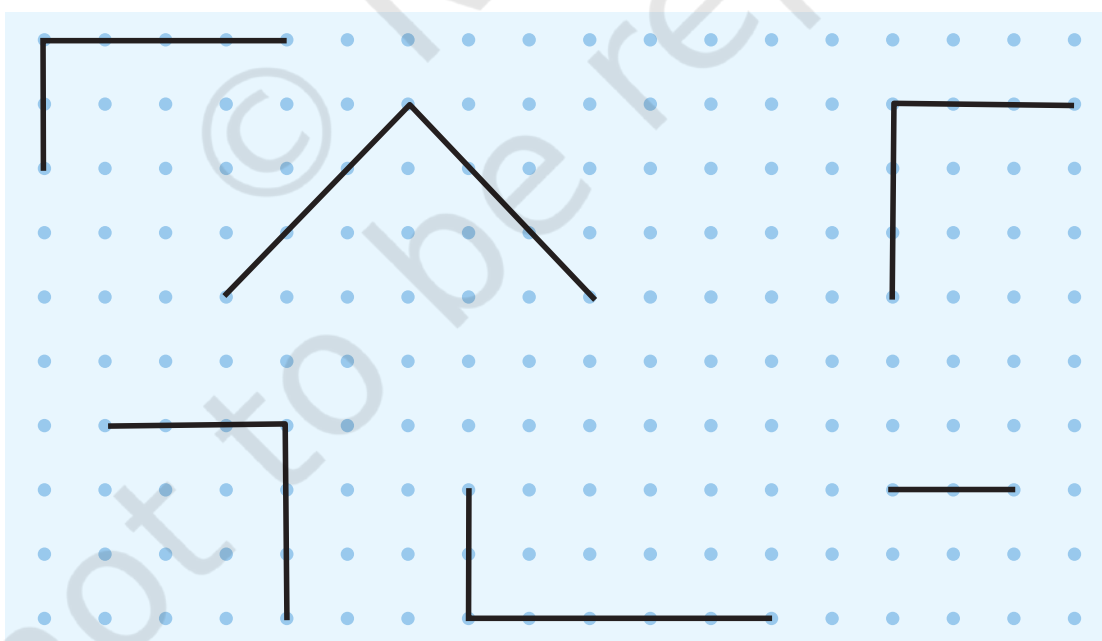
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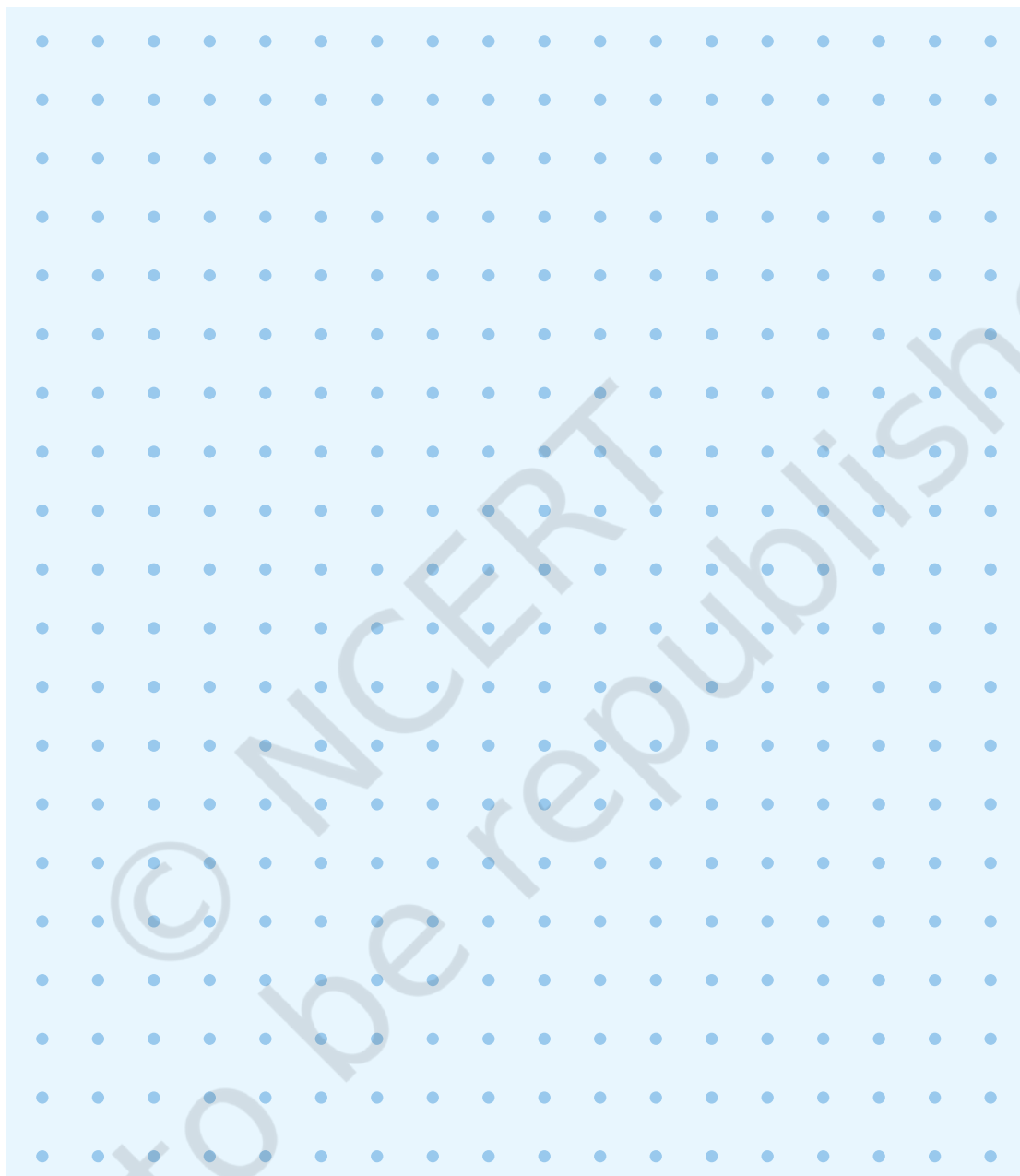


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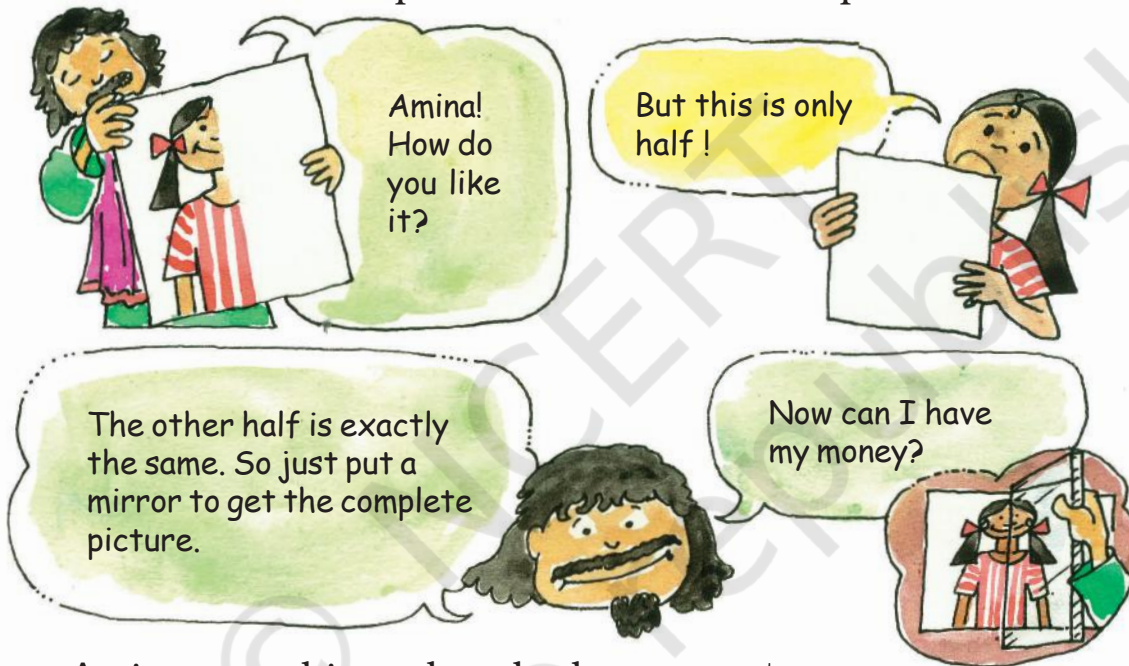
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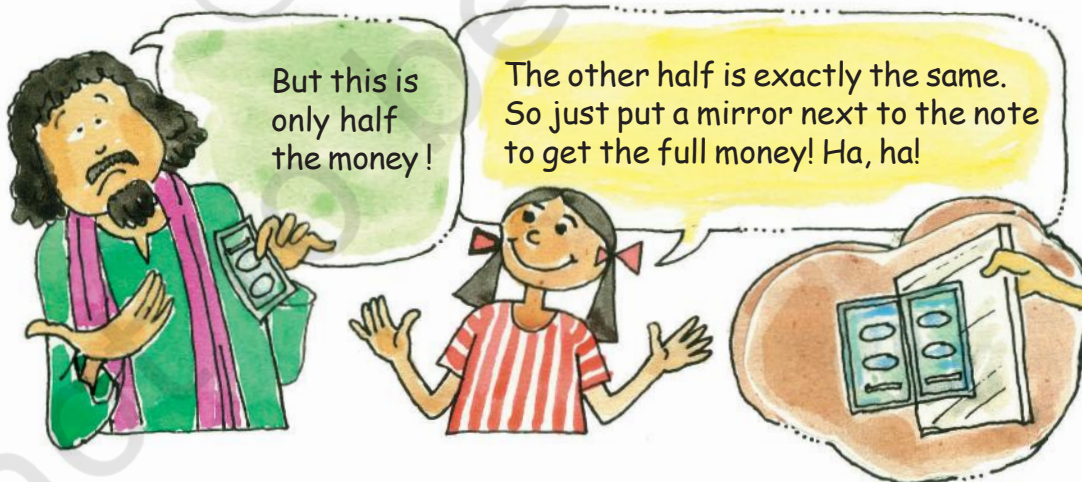
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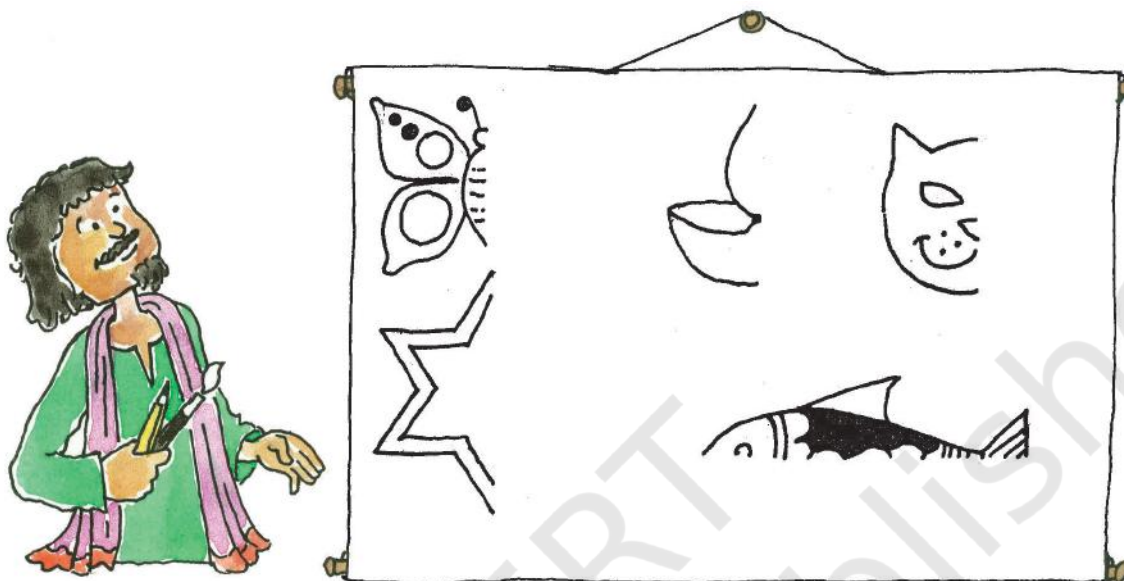
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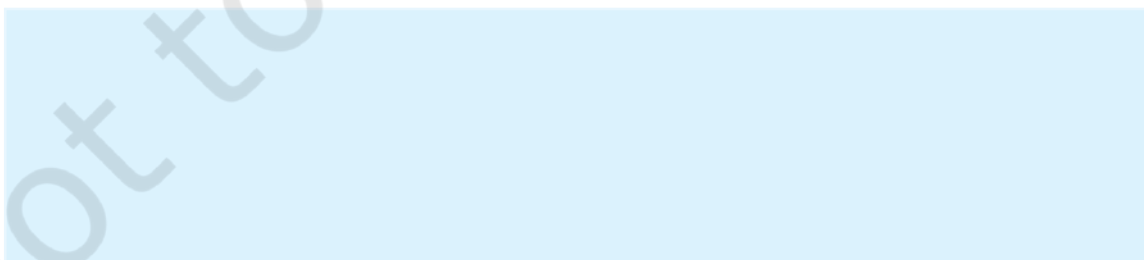
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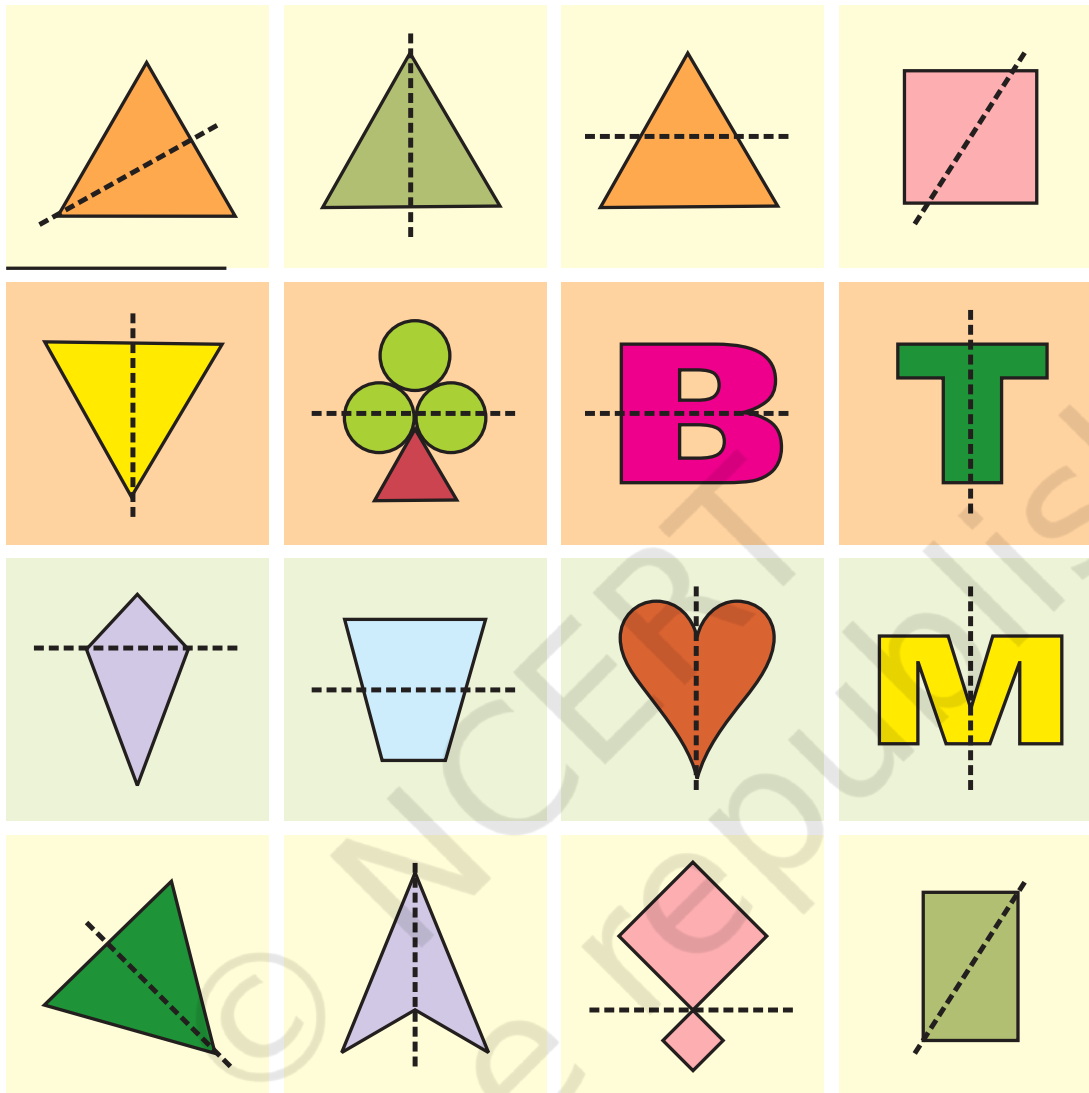


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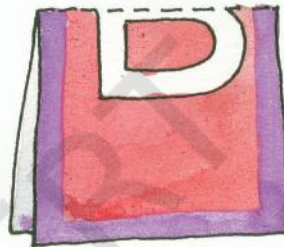
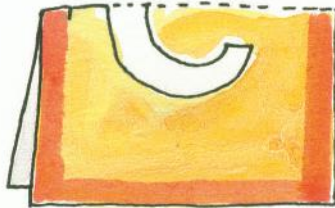


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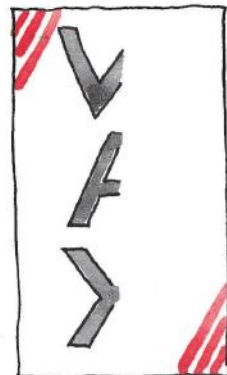
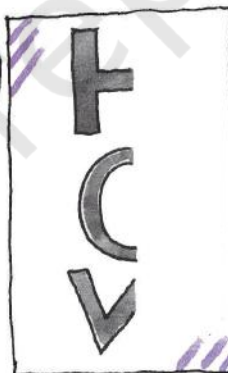


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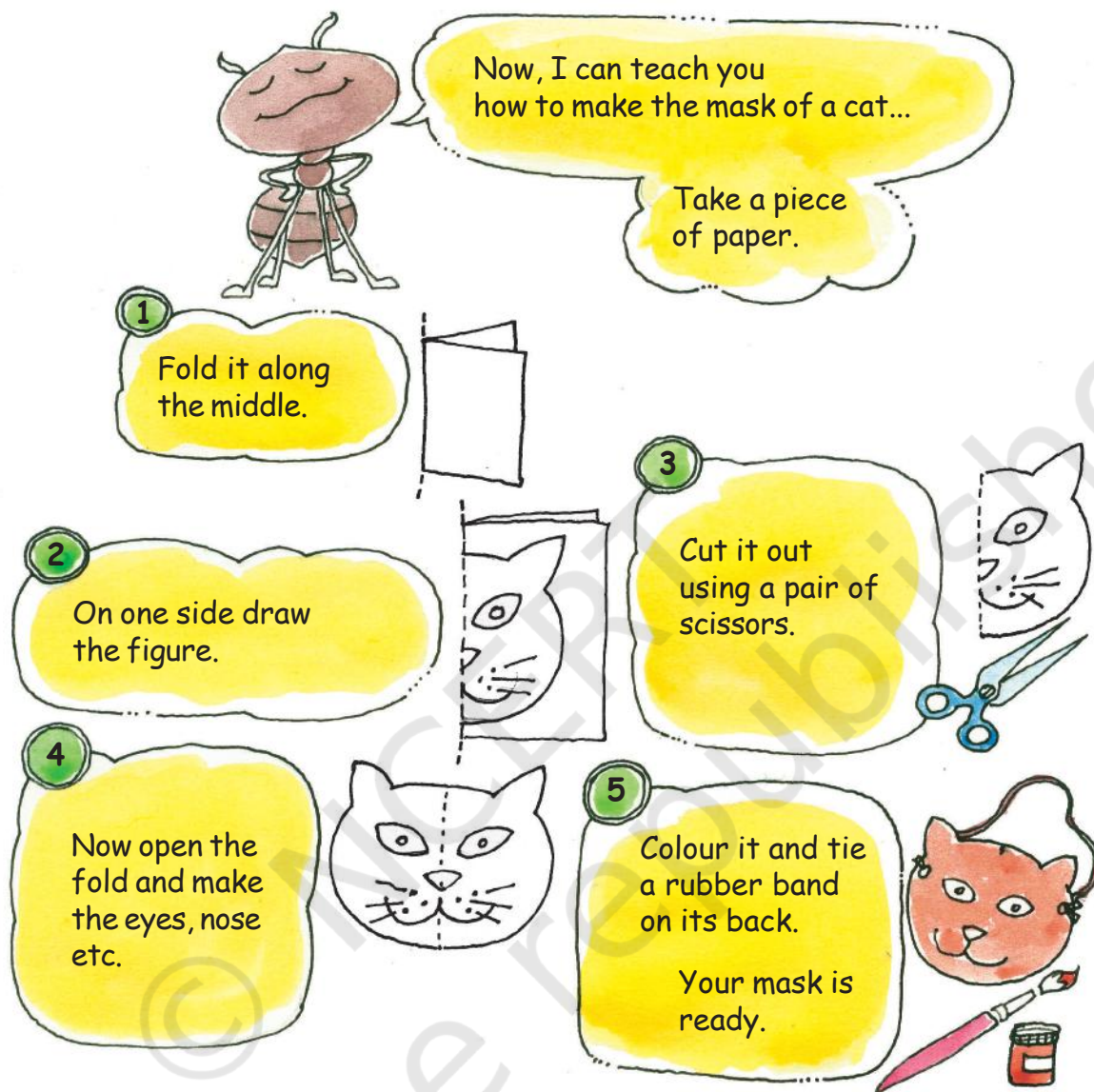


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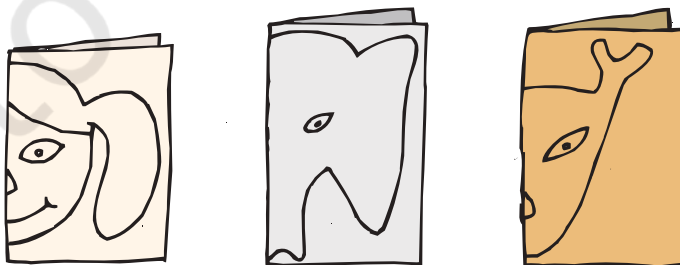
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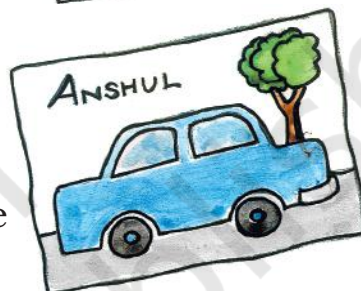
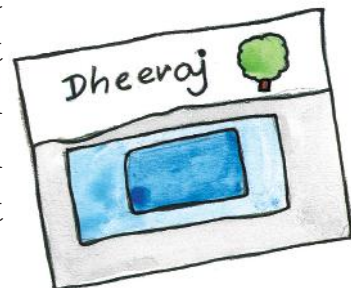
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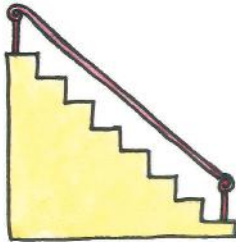


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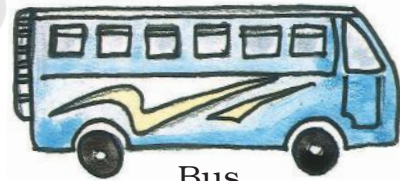
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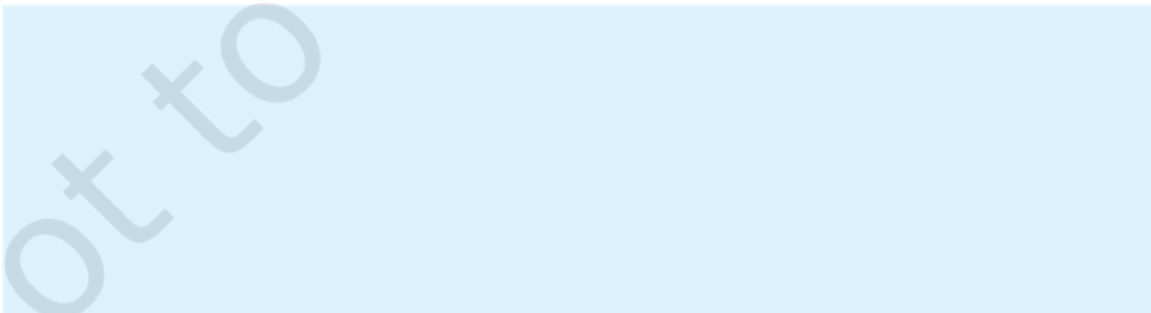


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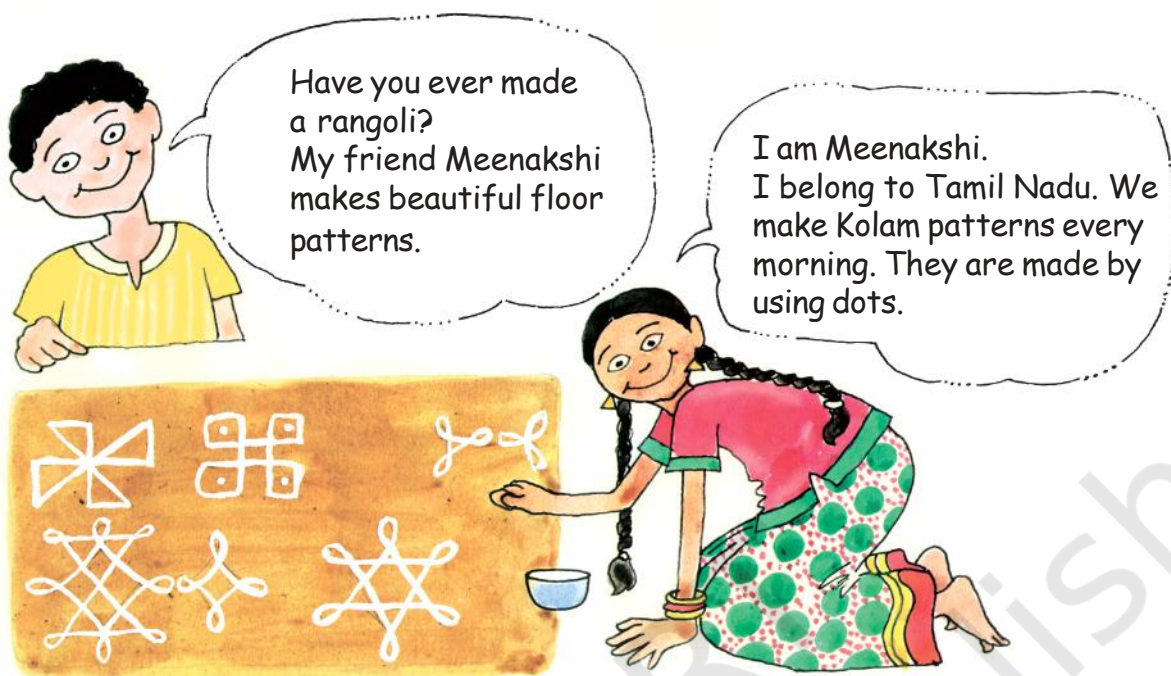


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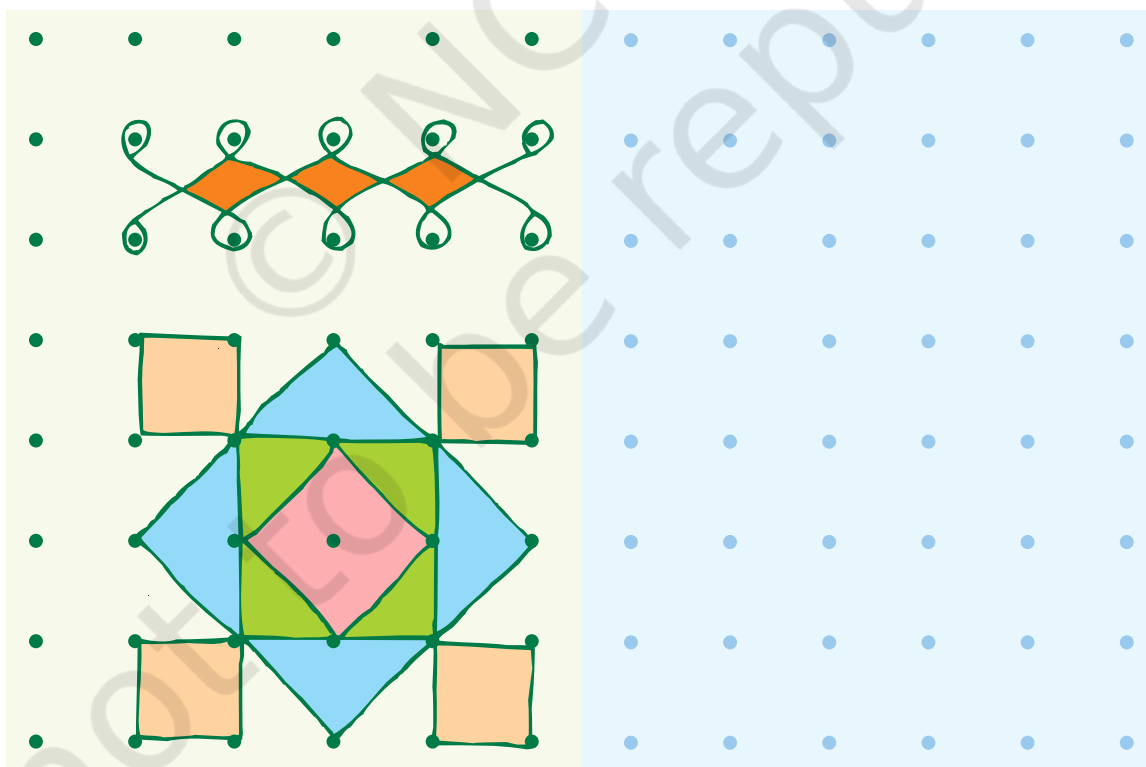
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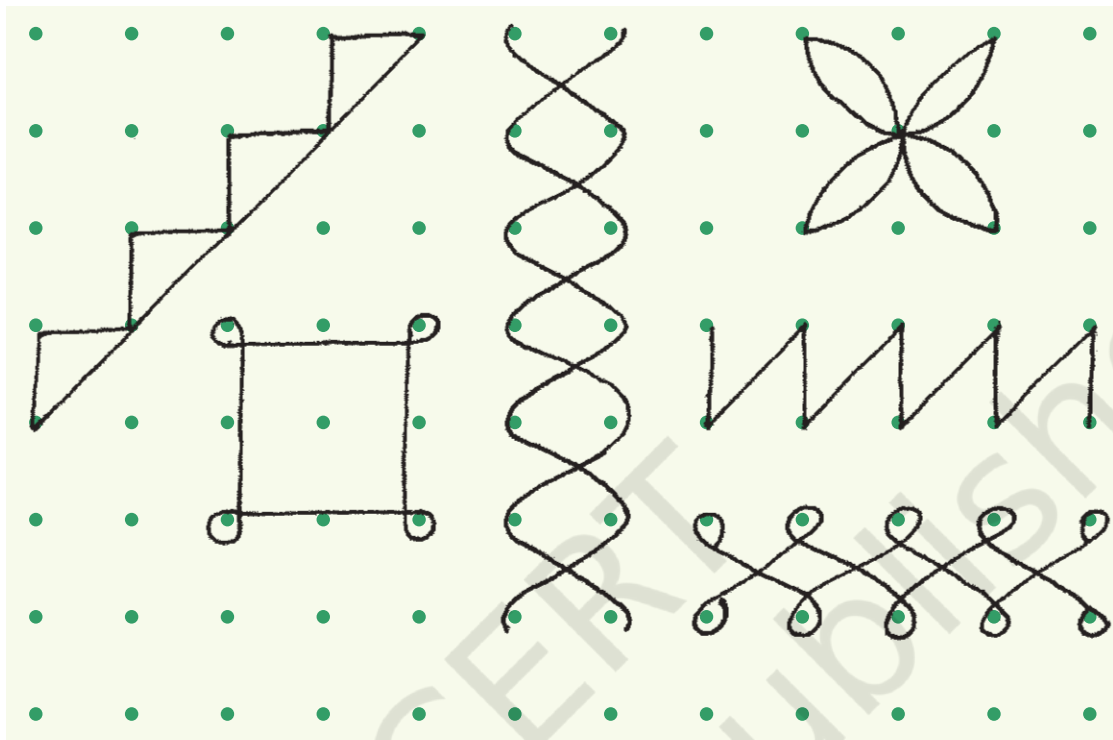


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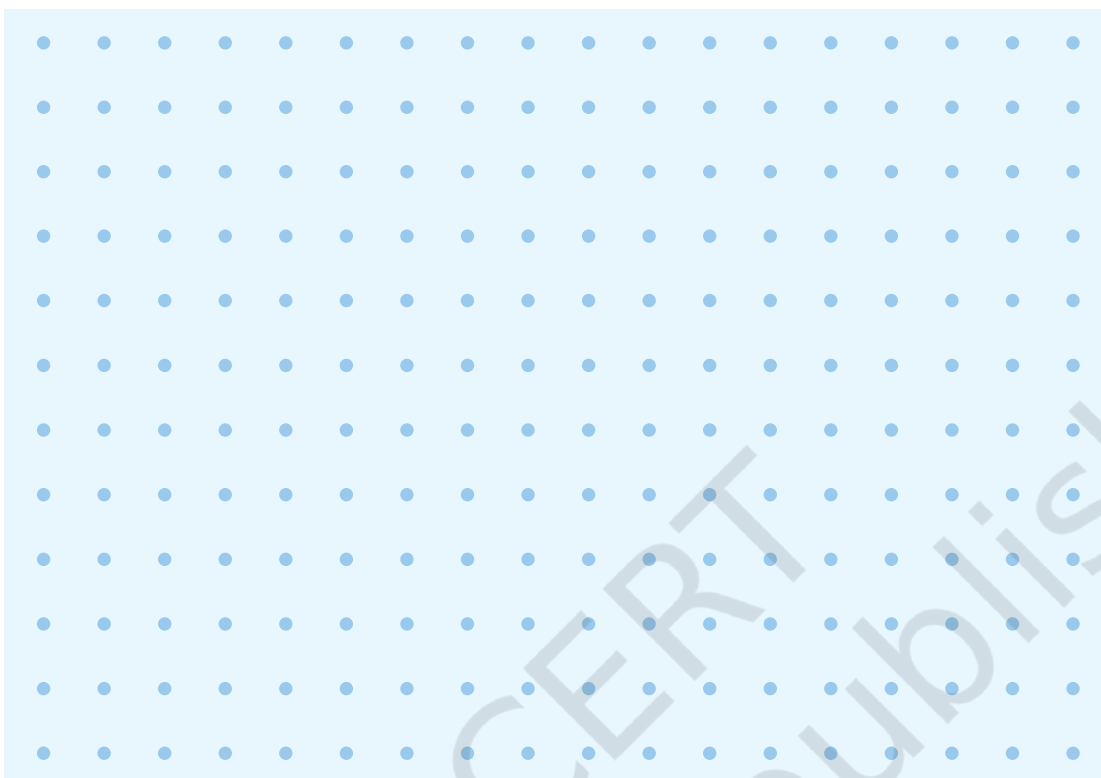


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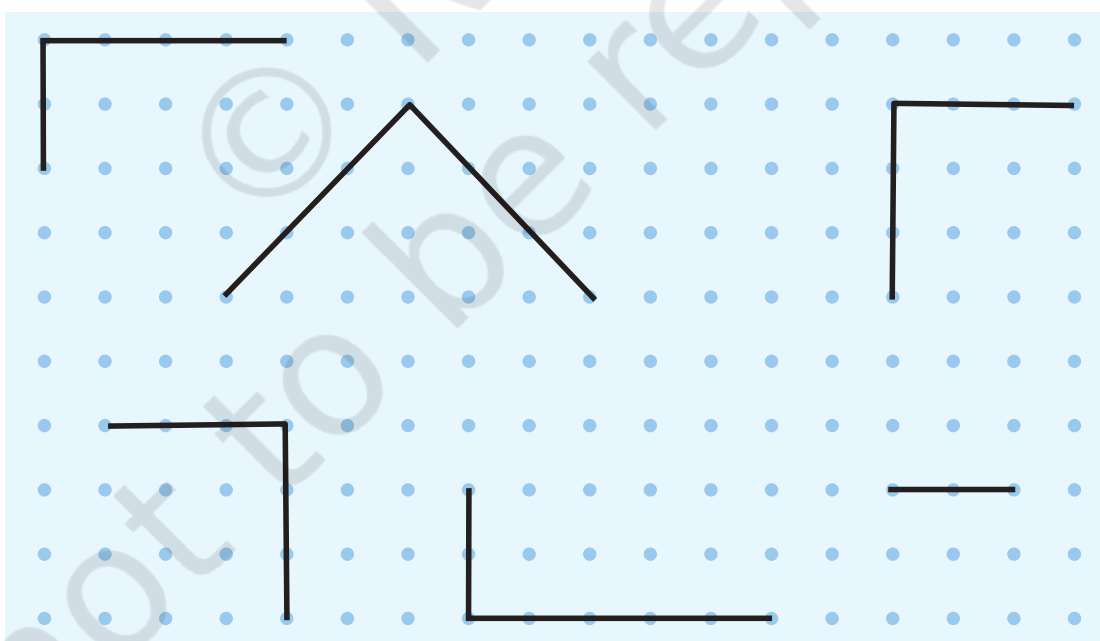
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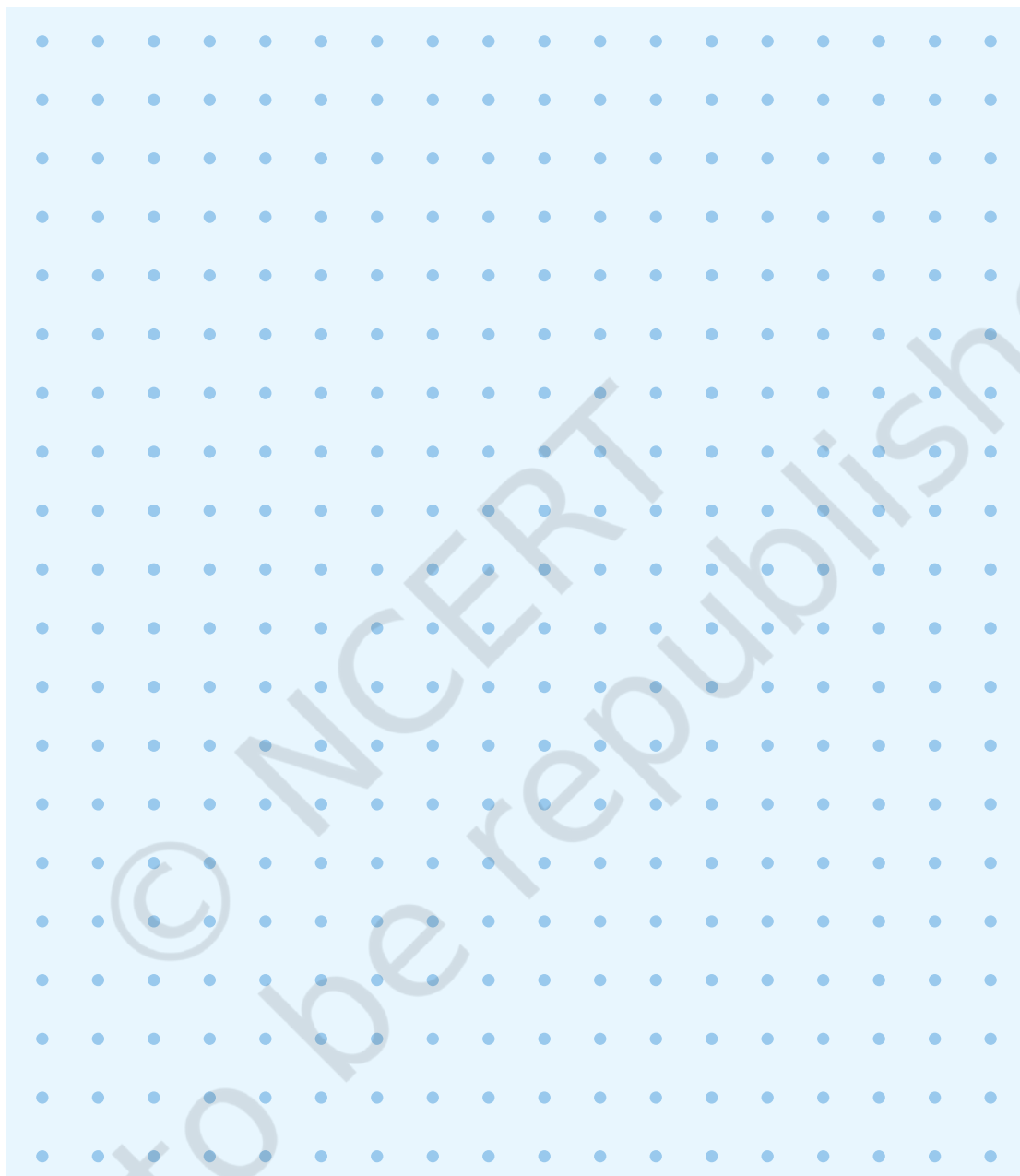


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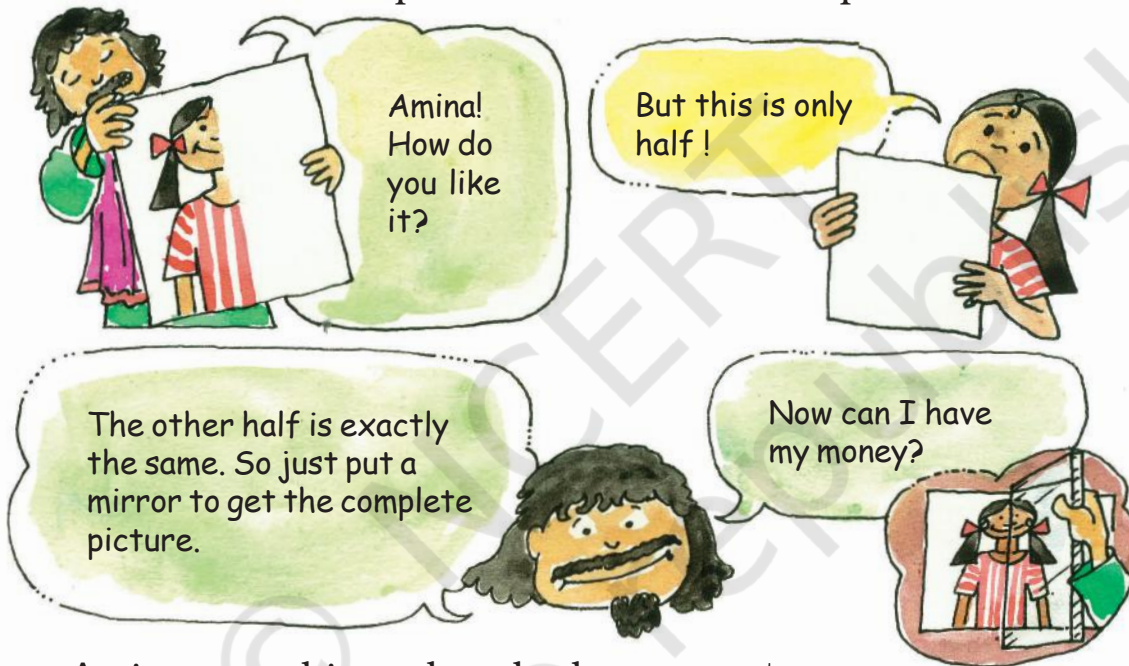
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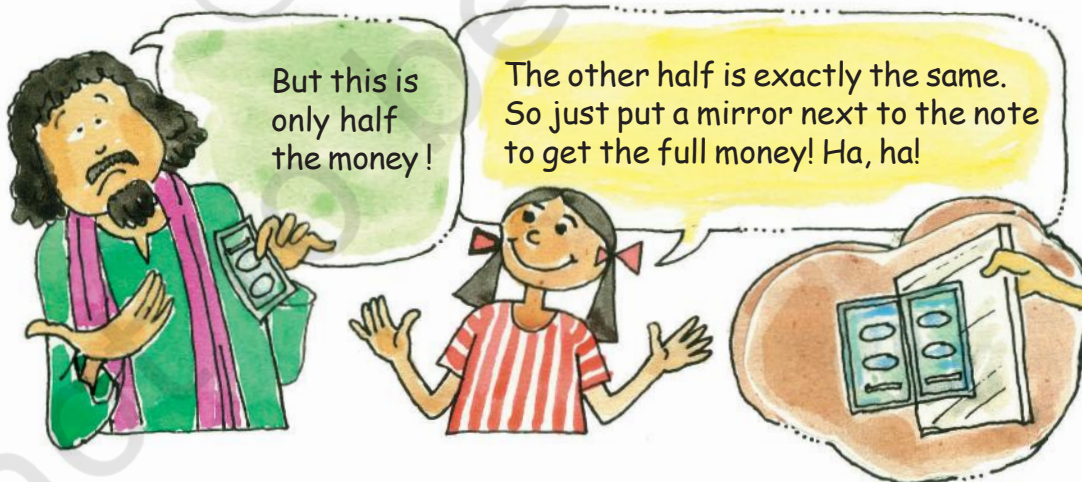
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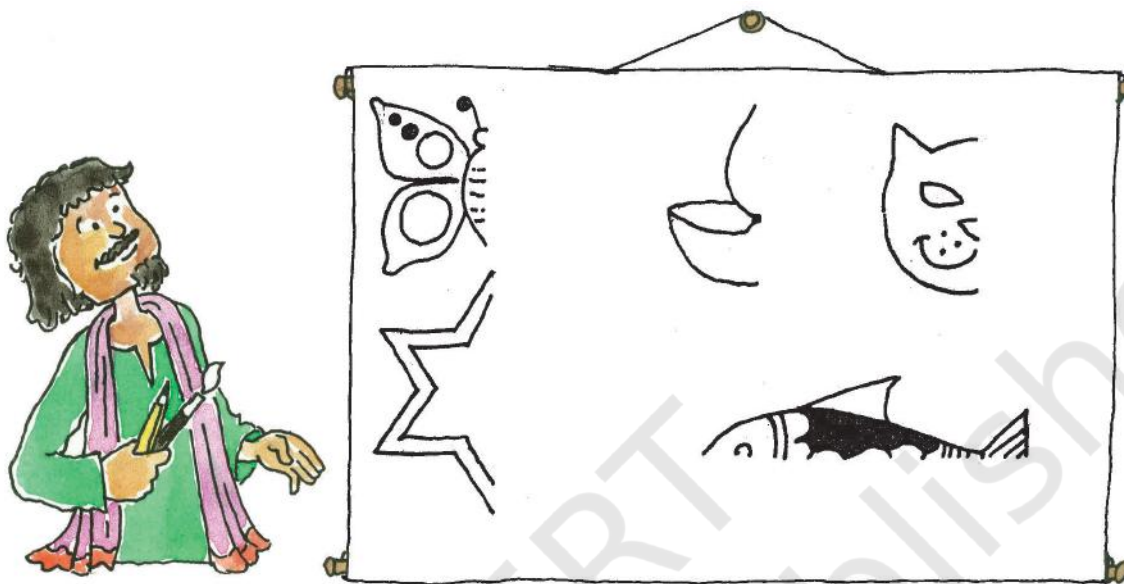
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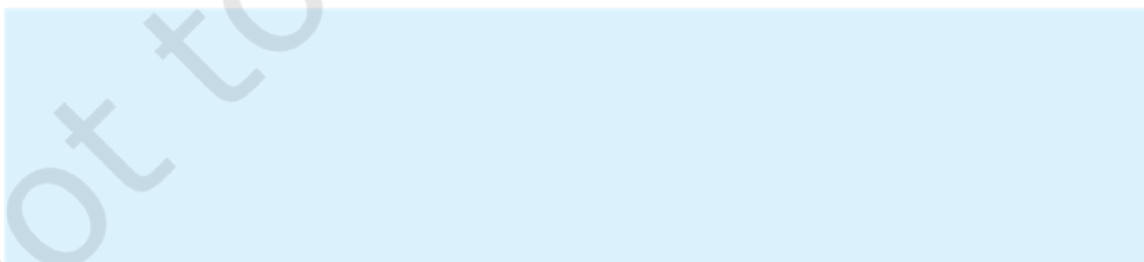
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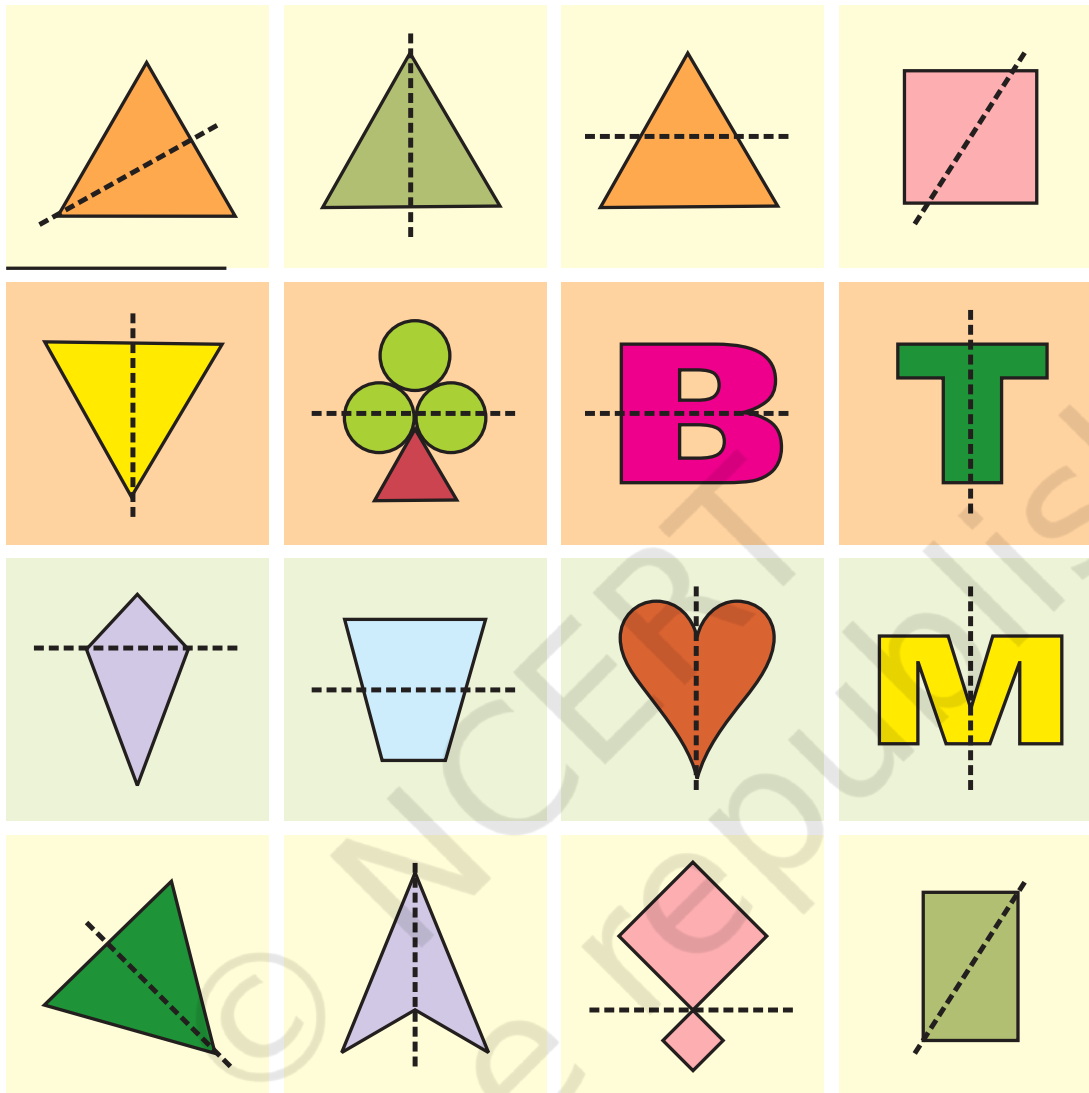


If you ask the painter to draw things which cannot be divided into two similar mirror halves, then he cannot play the trick. Draw three more such things which do not have similar mirror halves.



Mirror Halves

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



Give some more examples.

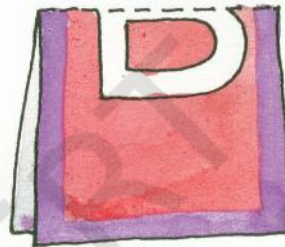
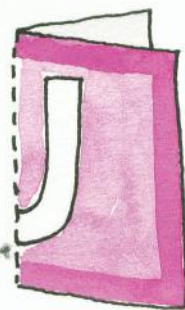
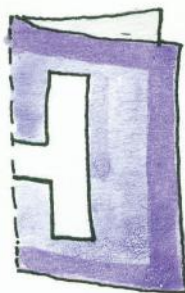
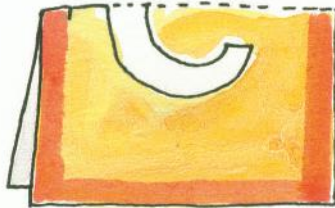


In two rectangles above, the dotted line cuts each into identical halves, but note that they are not mirror halves?

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

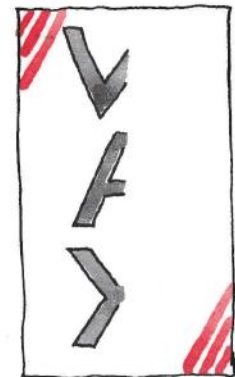


Can you guess these letters from their halves?

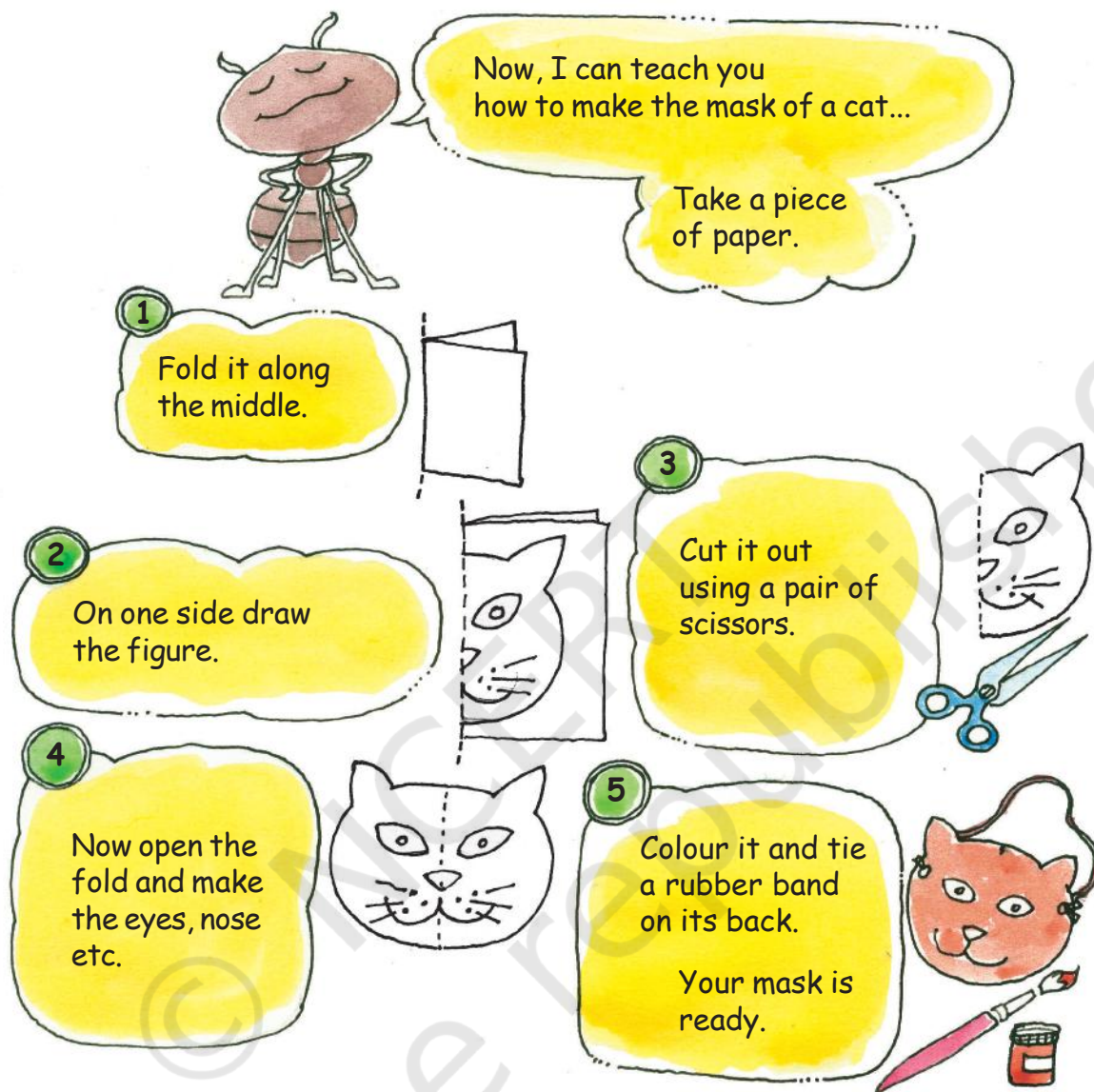


Using such letters we can also make words which have similar halves.

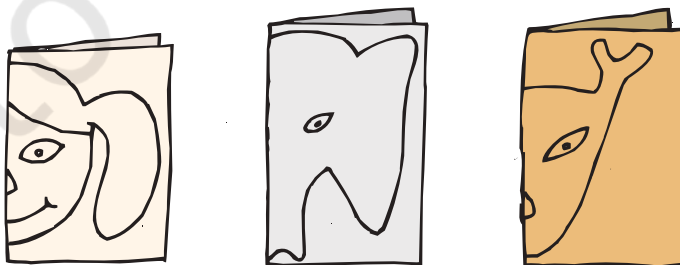
Guess the words by looking at their halves.



Making A Mask



You can make more such masks by taking help from the following pictures.

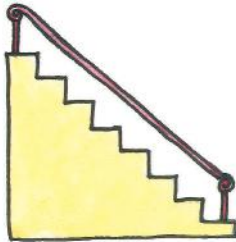


Practice Time

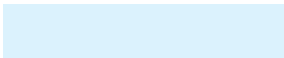
- A. A cat is peeping into a classroom.
Can you help her find out where the teacher is?



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



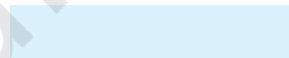
Staircase



Staircase



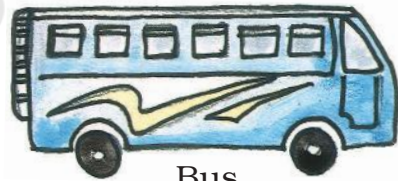
Table



Chair



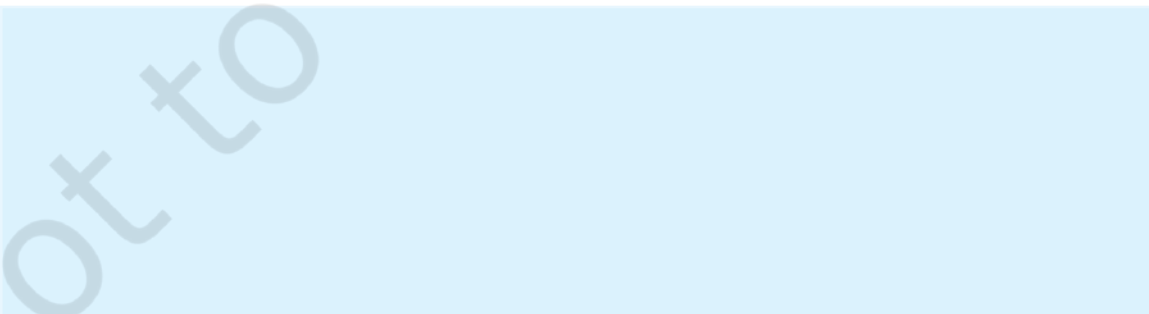
Pencil



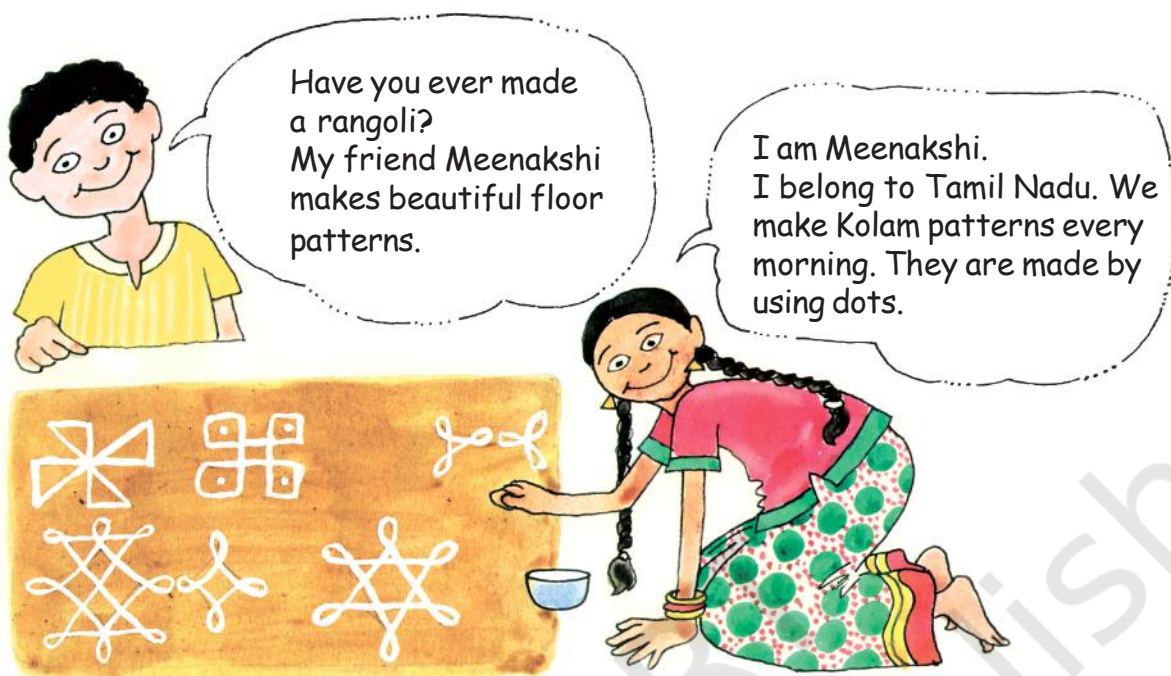
Bus



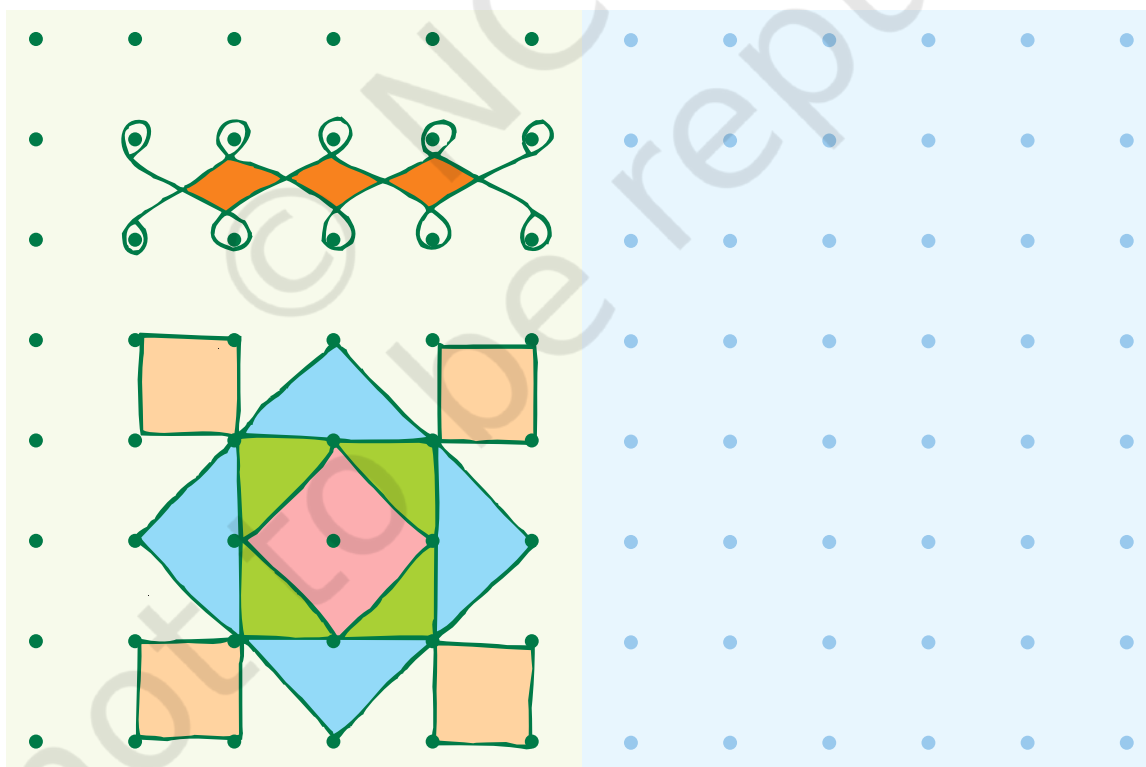
- C. Draw top views of a few things and ask your friends to guess what they are.



Rangoli

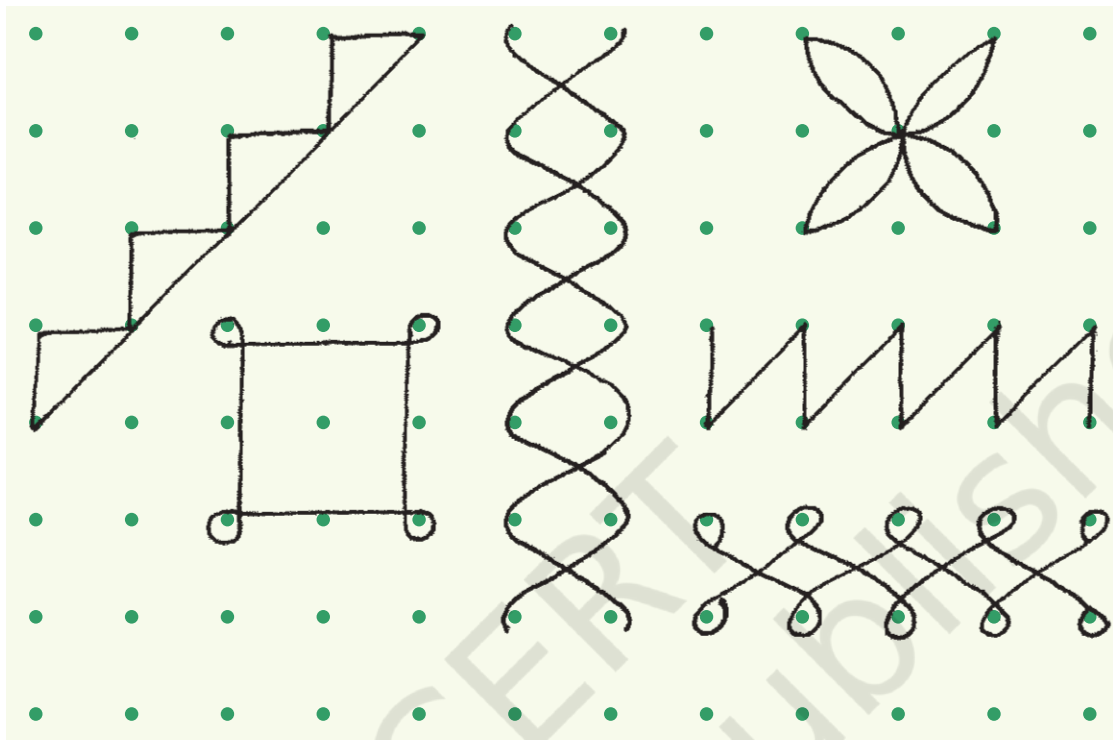


You can also try and use the dots given below to make patterns. Two patterns have been drawn here.

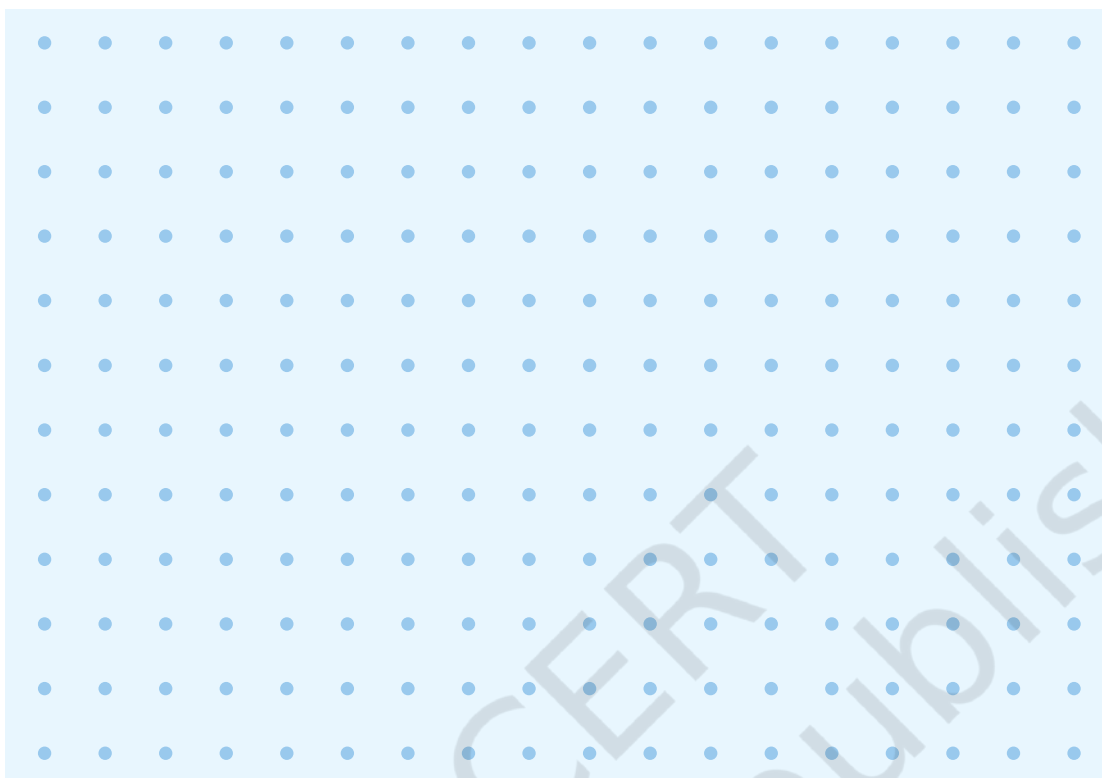


Make Other Patterns Yourself

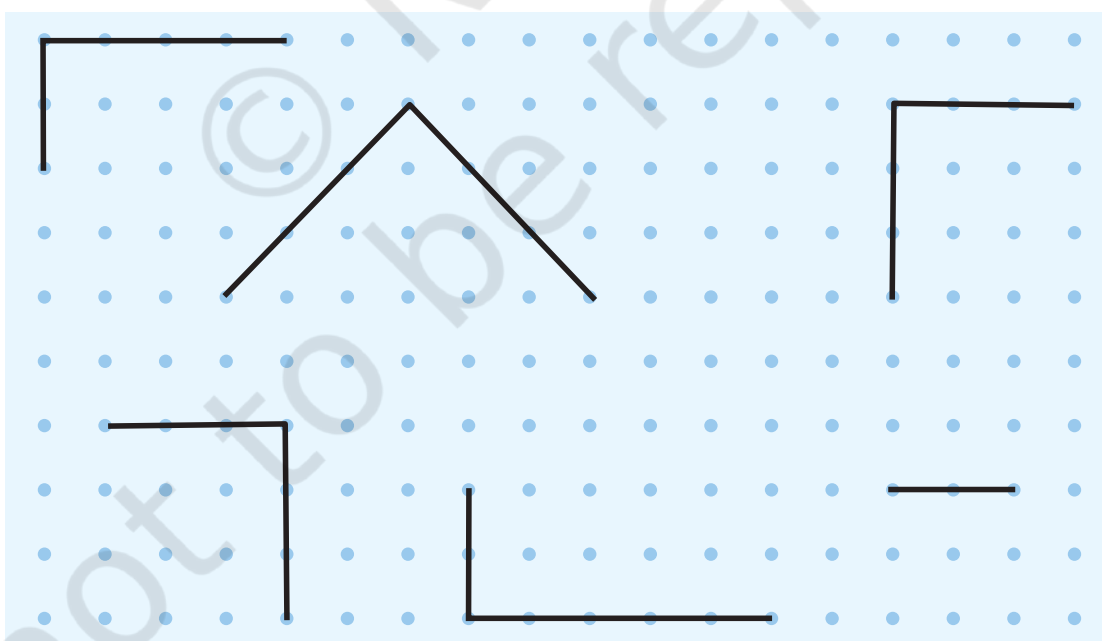
1. Copy these shapes on the dot grid. Note that some lines in the shapes are straight and some are not.



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



3. Complete these figures to make squares and rectangles.



4. On the dot grid given below, draw the following:

a) a kite

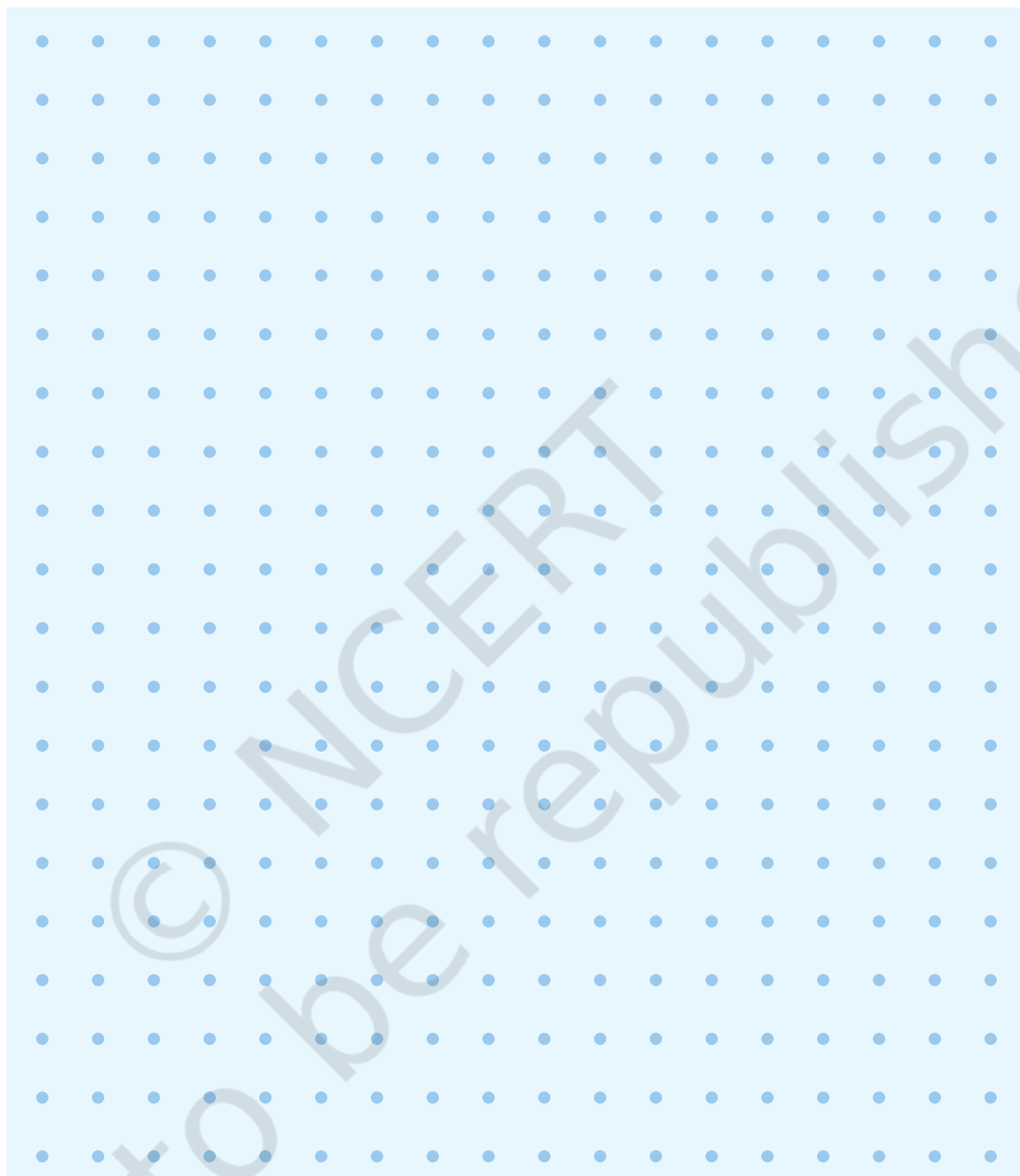
b) a leaf

c) a flower

d) a boat

e) a star

f) a pot



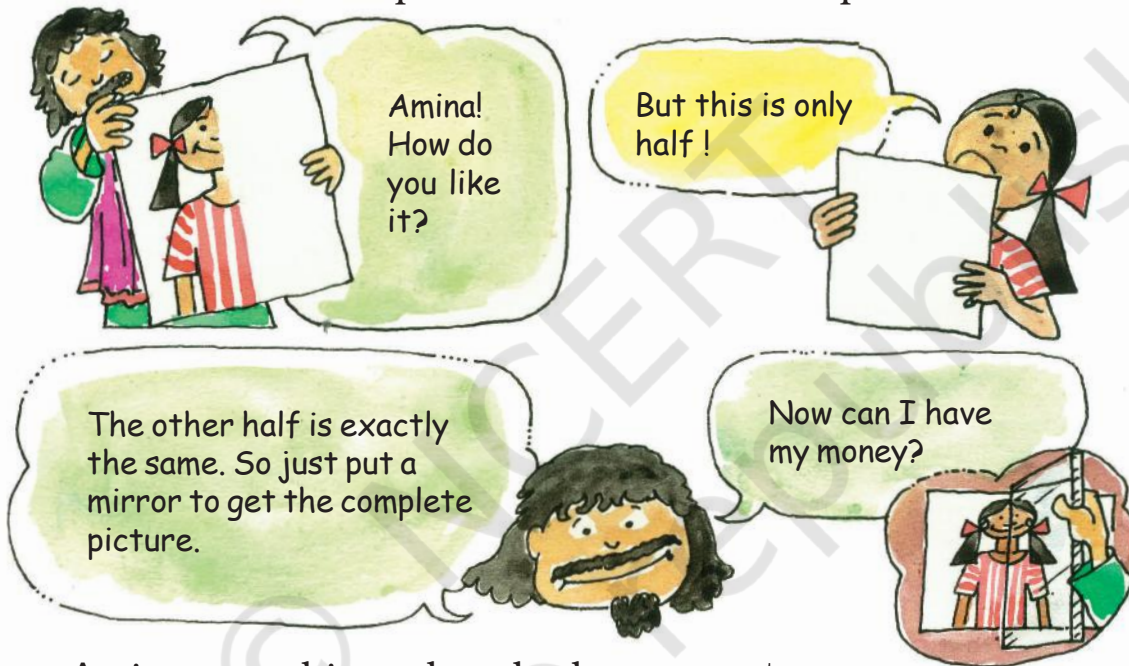
Note for teachers and parents: Free play with shapes on a dot grid can help develop children's understanding of shapes and symmetries. The chapter begins with activities to show how 2-dimensional pictures can represent 3-dimensional objects as seen from different perspectives. This is related to symmetries, an important aspect of shapes further developed in Chapter 5.

Tit for Tat

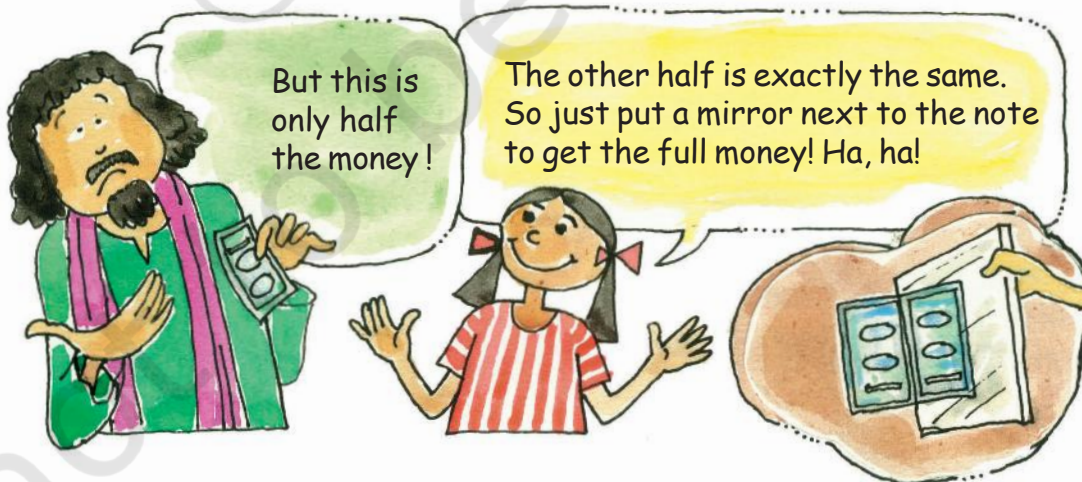
One day Amina met a painter.



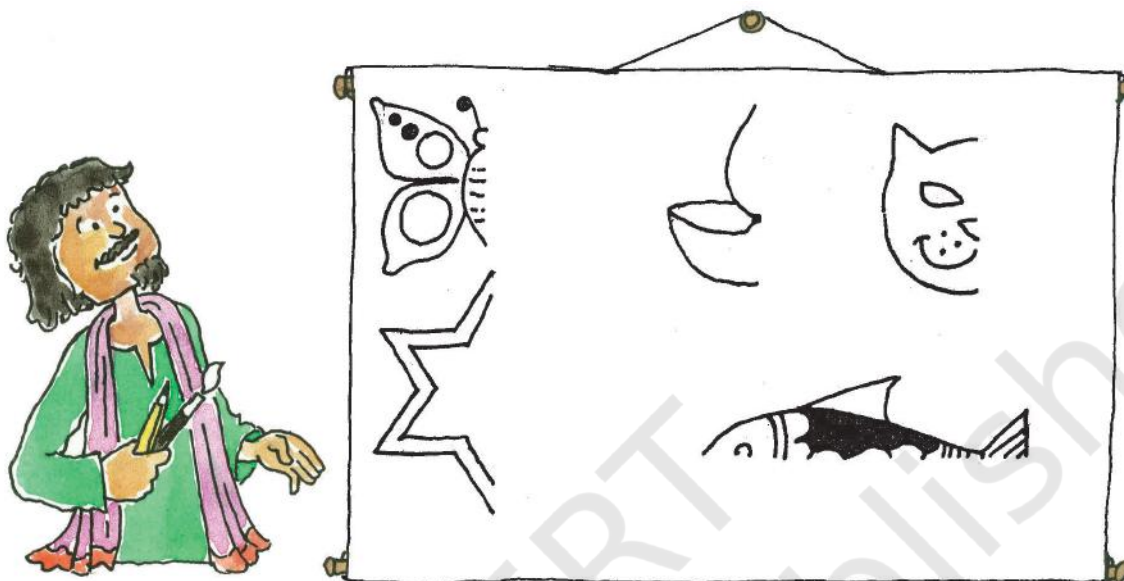
After a while the painter showed her the picture.



Amina gave him a hundred-rupee note.



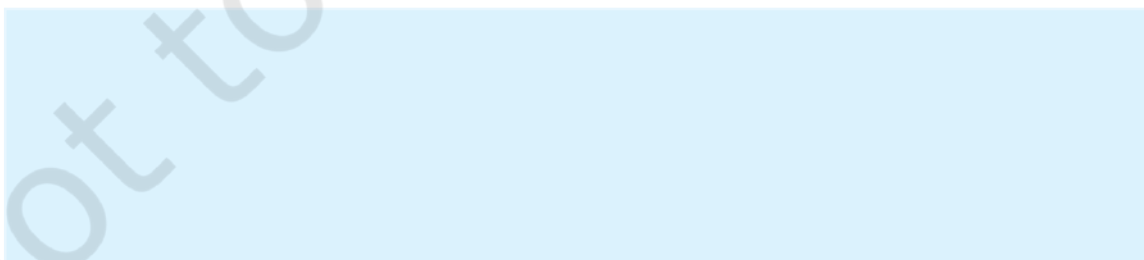
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Can we repeat the painter's trick, while drawing pictures of the following?

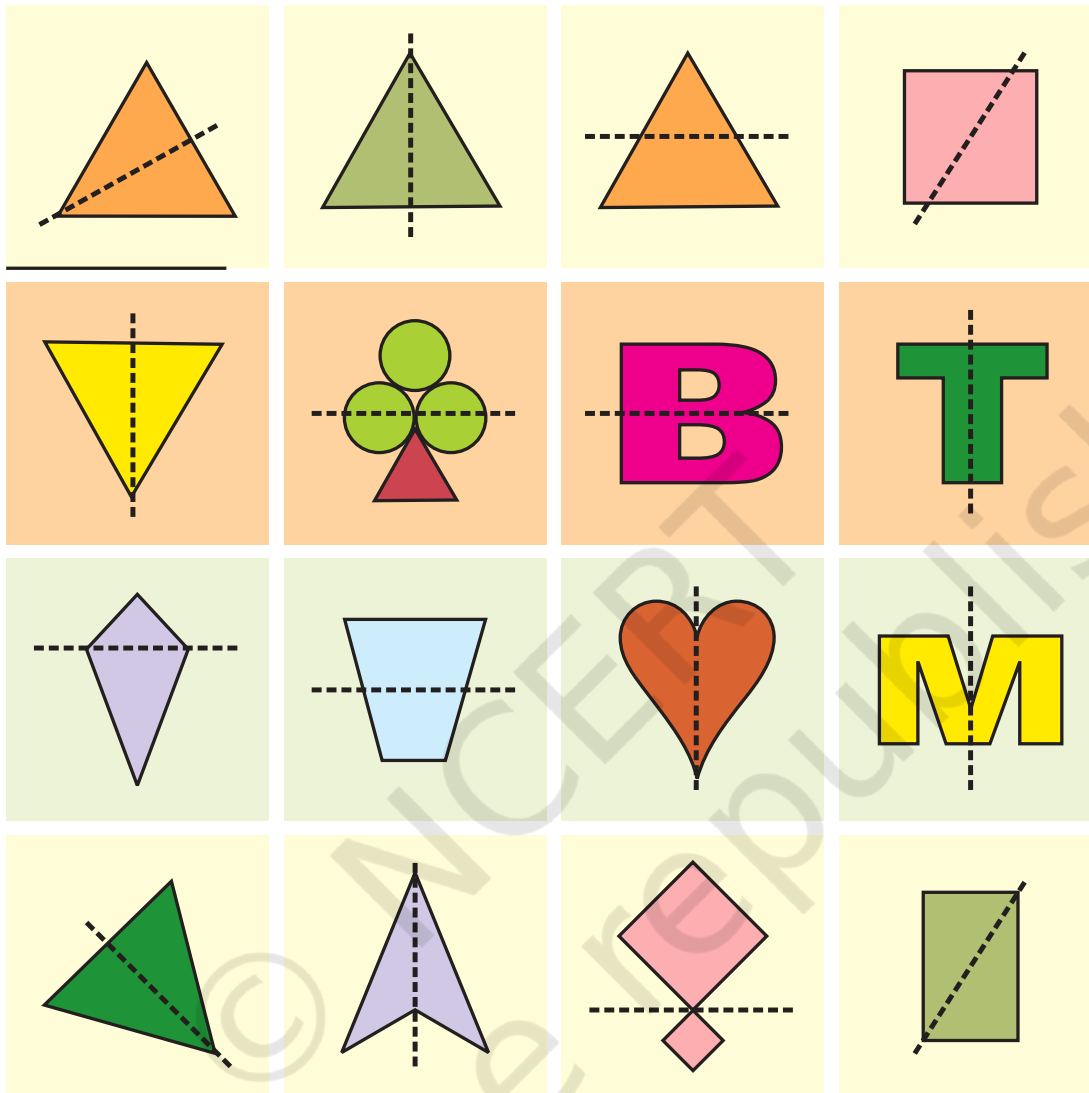


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Mirror Halves

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



Give some more examples.

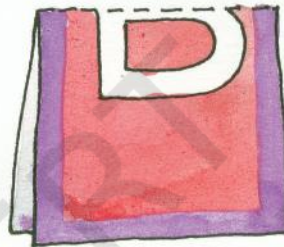
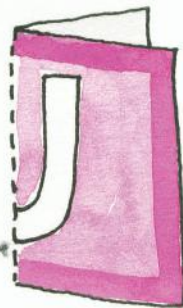
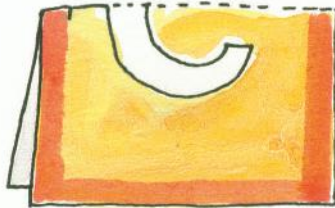


In two rectangles above, the dotted line cuts each into identical halves, but note that they are not mirror halves?

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

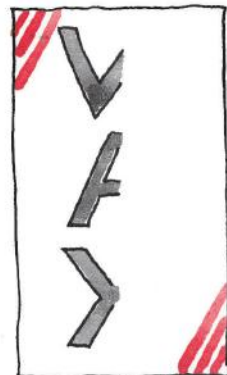
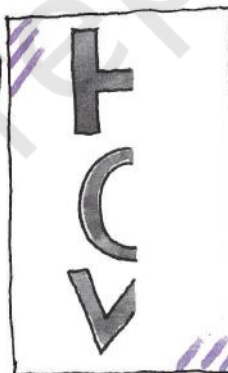
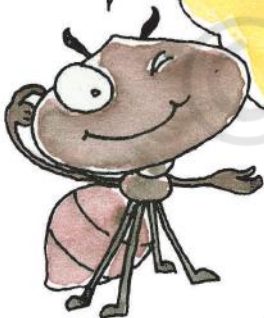


Can you guess these letters from their halves?

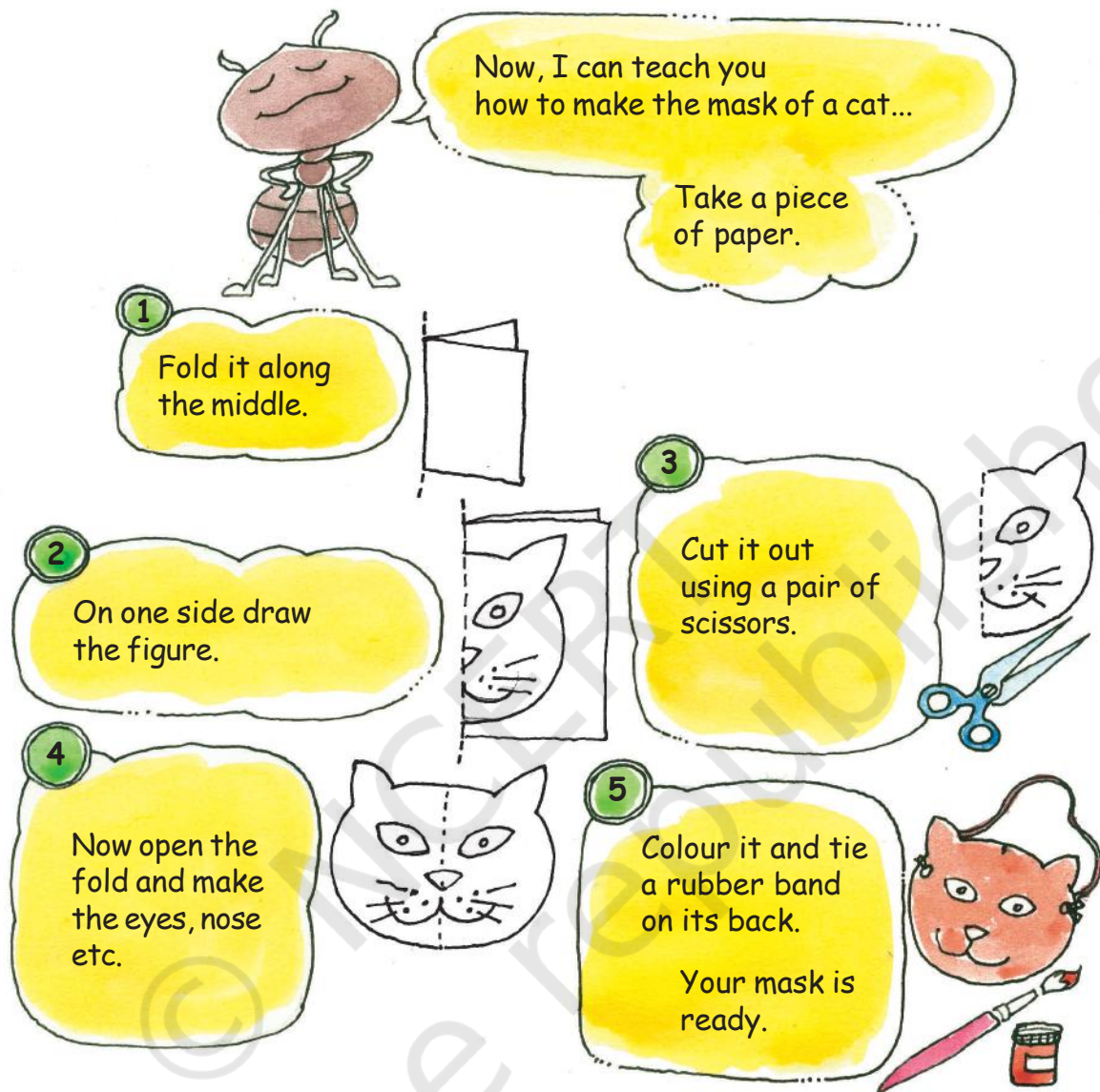


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