

SHAPES AND DESIGNS

BASIC SHAPES

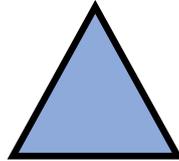
SQUARE



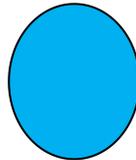
RECTANGLE



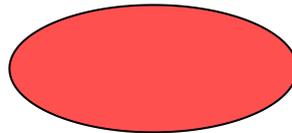
TRIANGLE



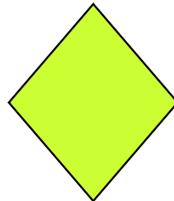
CIRCLE



OVAL



DIAMOND



Have Fun with Shapes

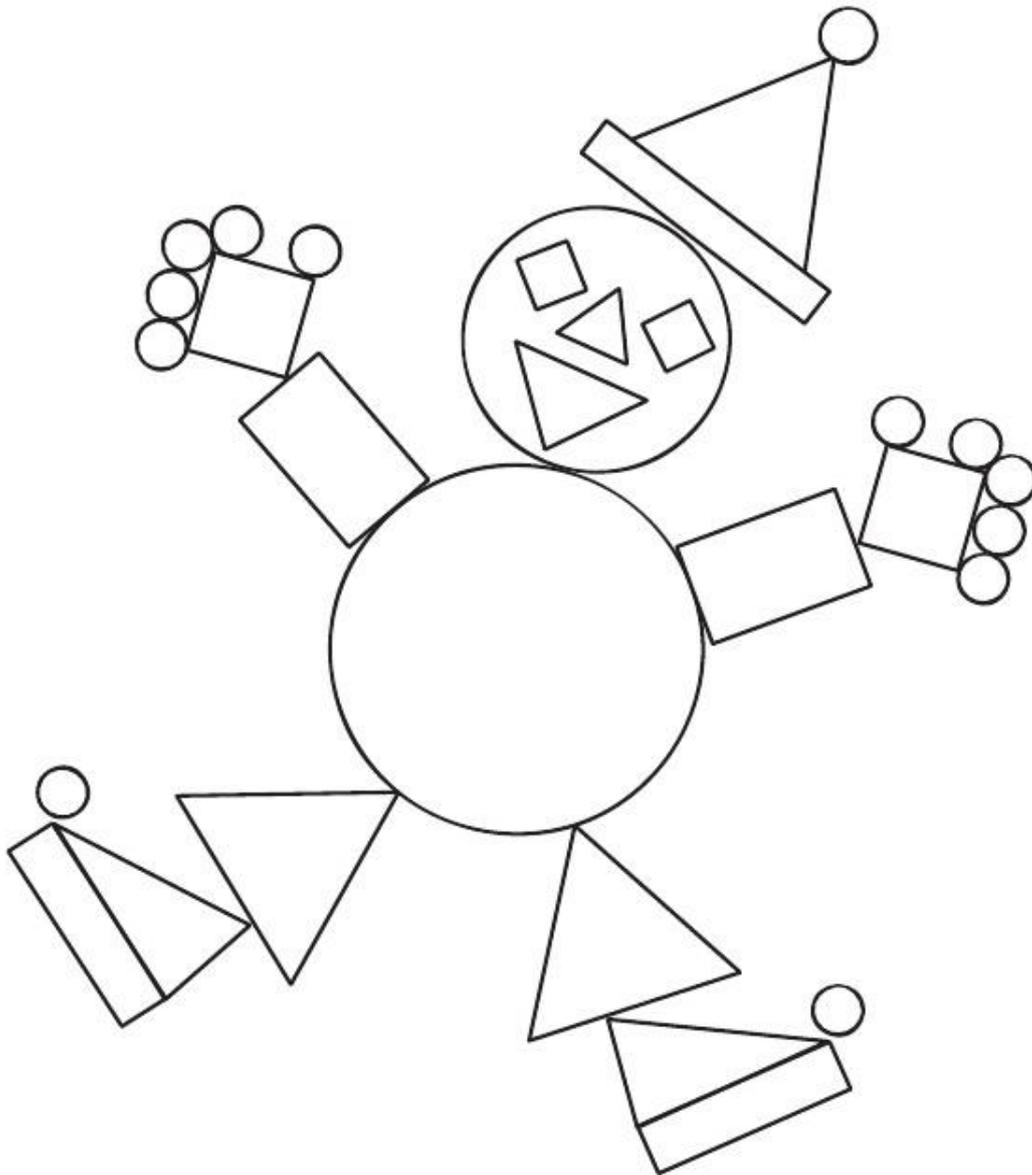
Colour the clown following the directions given below :

Triangles  Red

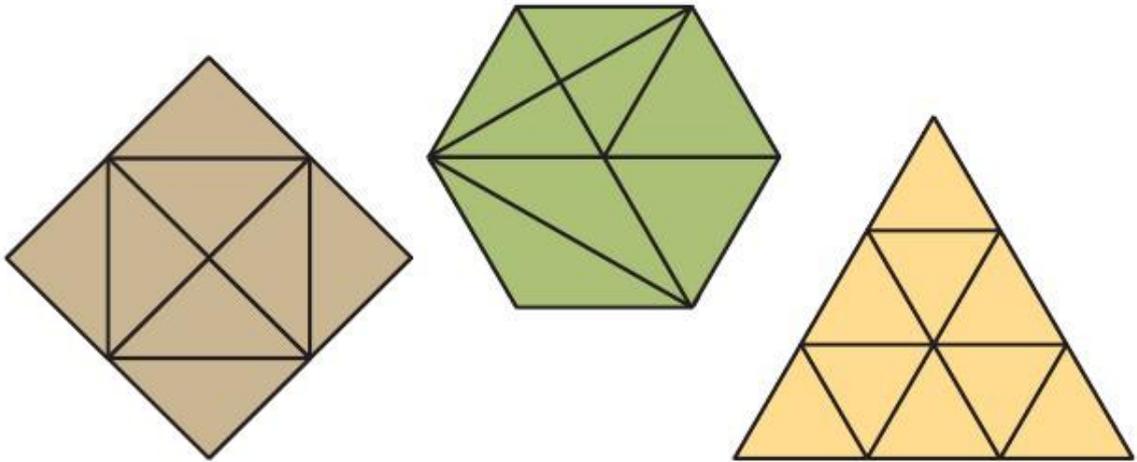
Squares  Yellow

Rectangles  Blue

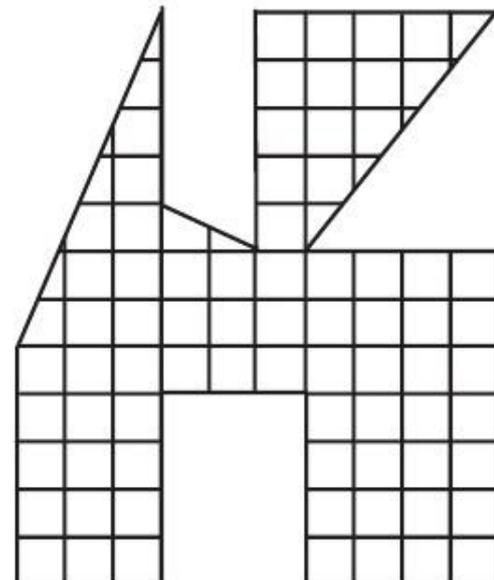
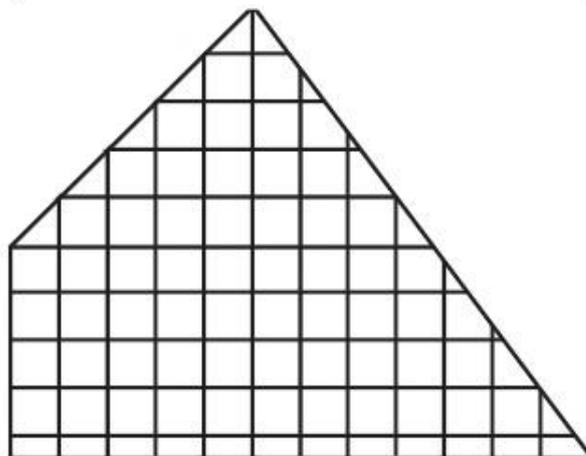
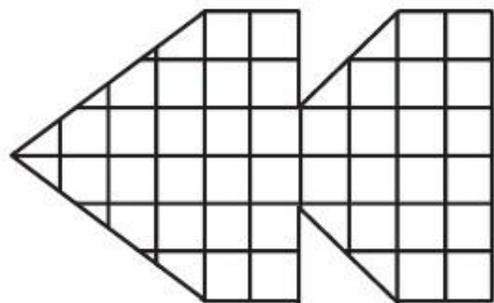
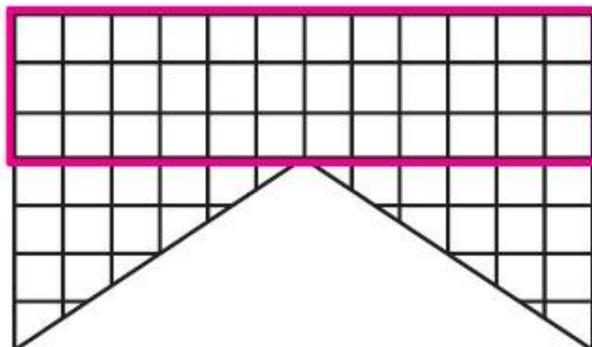
Circles  Green



How many triangles are there in the following figures?



Find the biggest rectangle in the figures given below.

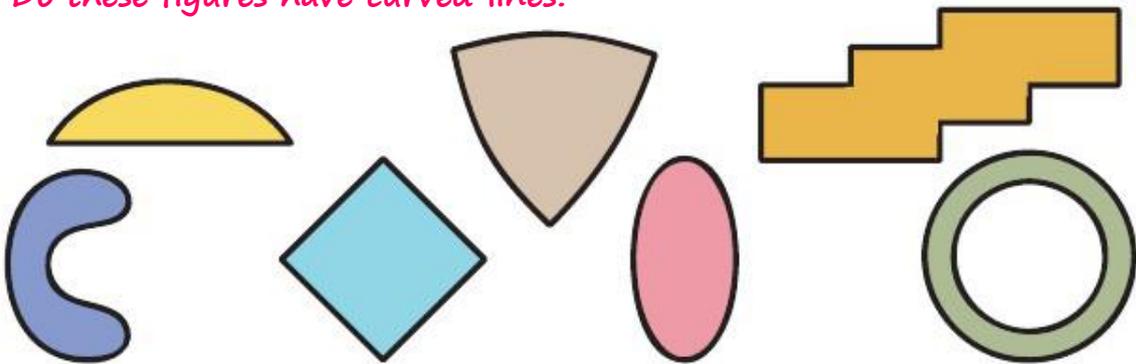


Look at the following table and tick () the names of things that have corners. Also count the number of edges and corners in each of them.

Name of thing	Whether it has corners	Number of edges	Number of corners
Die 	Yes		8
Ball			
Eraser			
Egg			
Sheet of paper			

In the following figures, tick () those which have corners.

Do these figures have curved lines?

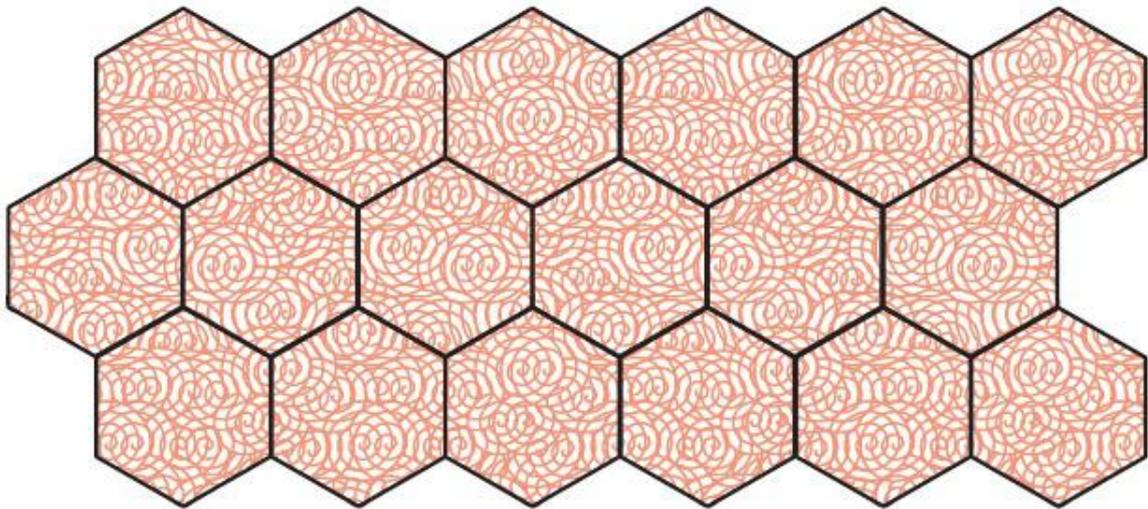
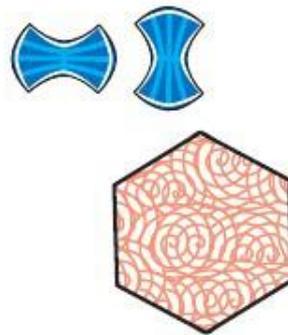
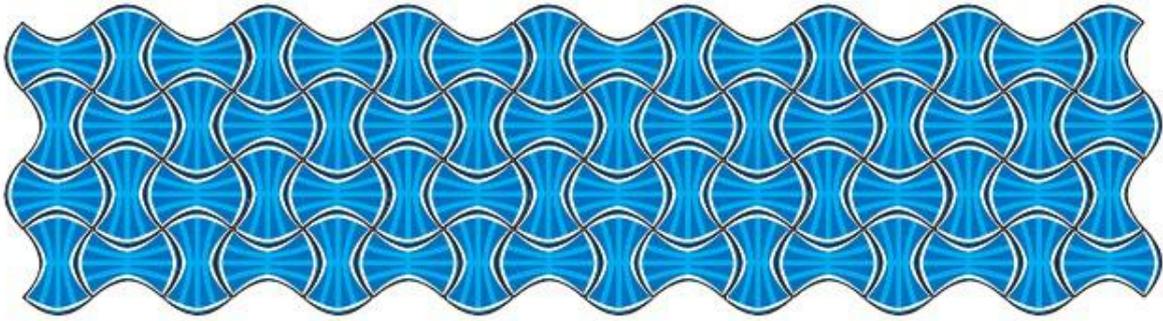


Weaving Patterns

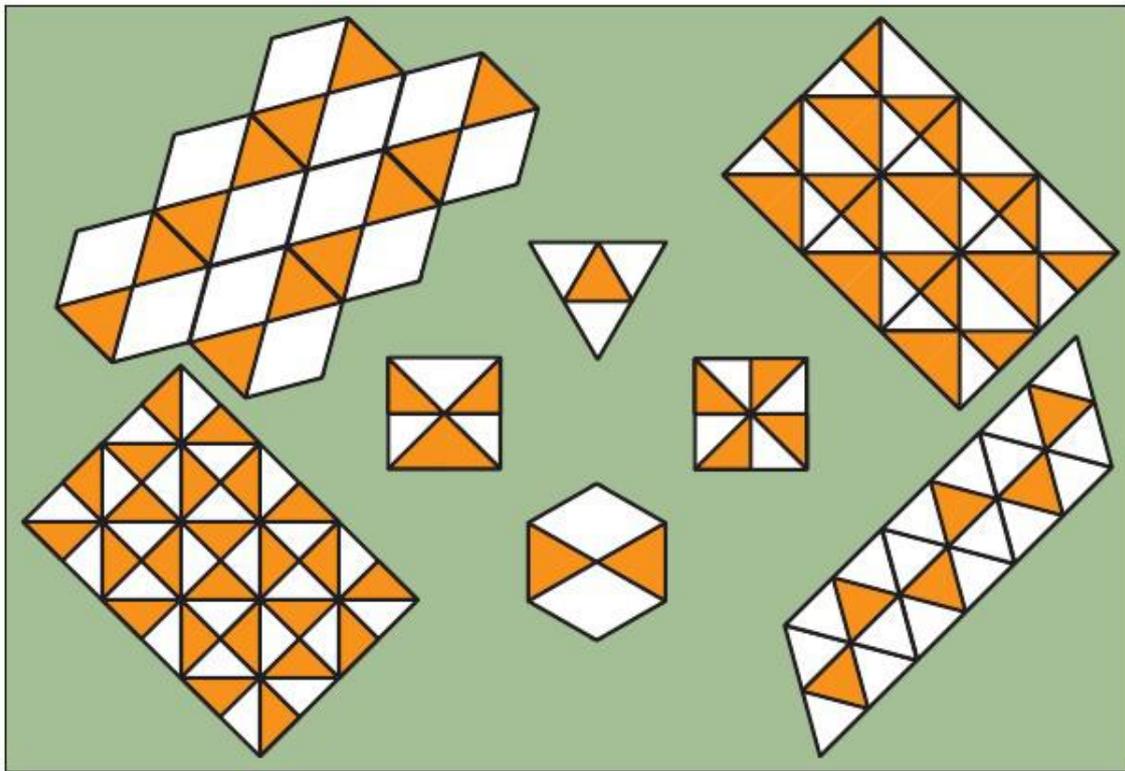


- * Which geometrical shapes can you identify in these borders?
Draw them in your notebook.
- * Is any shape repeating in a particular pattern? Which ones?
- * Are the shapes made of
 - (i) Curved lines
 - (ii) Straight lines
 - (iii) Both curved and straight lines.
- * Look at your clothes, your mother's saris/shawls, rugs and mats. Can you identify some patterns? Draw them in your notebook.

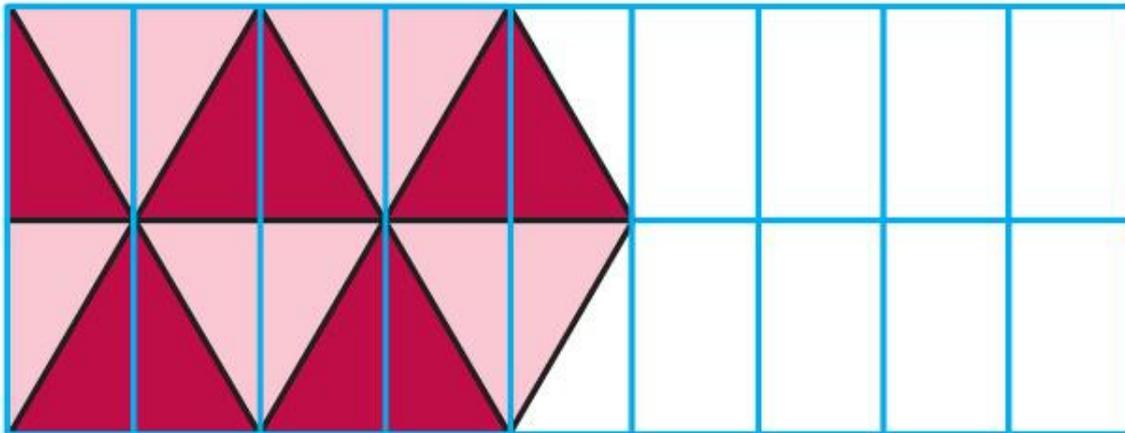
Floor Patterns



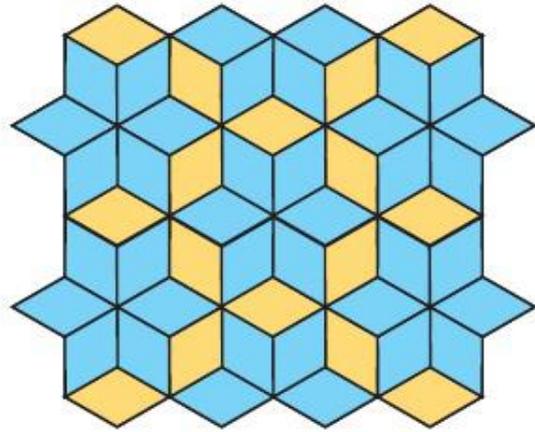
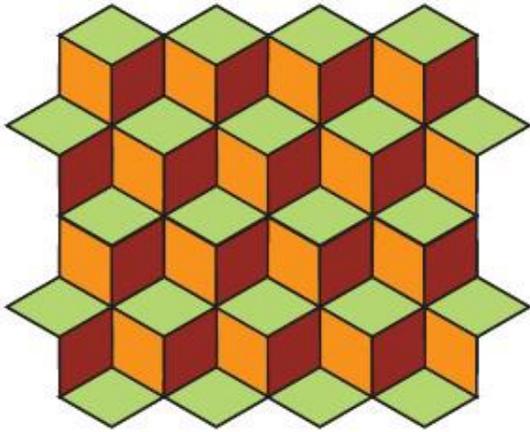
1. Among the following, can you match the tiles with the designs that they will make on the floor? Draw lines to match.



2. Complete the following tiling pattern.



- Tiling Time*
 3. Complete this pattern. Compare it with the pattern on page 70 which also uses six sided shapes. What is the difference between the two?



Use different colour combinations to make your own patterns.



4. Khushboo and Hariz live in Agra. One day they went to see the Taj Mahal. The floor had the pattern shown below:



Treasure Hunt

- a) Start from the tallest tree.
- b) Go forward on the pathway.
- c) From the sixth tile, turn left.
- d) After moving a few steps again you will find a plant on your right hand side.
- e) Colour the dress of the child playing closest to this plant.
- f) Start moving again from the plant.
- g) On the fourth tile, turn left again.
- h) On the way, you will find the corner of the fourth tile is broken.

- i) You will find a bat and a ball lying on the ground. Don't pick them up, just circle them.
- j) Move ahead and turn right.
- k) You will find a mango tree. A few mangoes can be seen on the tree. Colour 11 mangoes on the tree.
- l) Also draw some grass near the mango tree and start moving again on the pathway.
- m) When you go straight, you will find a house.
- n) Behind that house there is a bag. Open it and you will find something sweet in it! Can you tell what their mother has kept in the bag?



