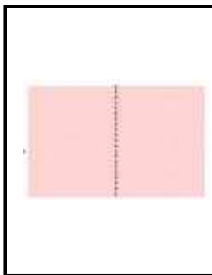# Paper Cutting: Flower

Instructions: Follow the instructions given below and make a beautiful paper flower.

1 Fold the sheet into half.

2 Fold it again into half.

3 Draw the heart at the corner where the folds meet.

4 Cut out the heart shape. Open the heart, you will see an eight petal flower.

HOME EXPLORATION

Find all the things that are rectangular in shape in your home. Draw them in the boxes.

E: Construction - Strongest Shape

In the pictures given below the buildings are made using various shapes. Circle the names of these shapes in the letter puzzle given.

Circle the names of the shape in this letter puzzle.

l	e	s	r	n	l	e	i	e	c	i	r	t	a	c	i
i	a	r	t	r	i	a	e	l	s	r	e	n	g	s	r
c	g	c	q	r	c	g	q	i	a	e	l	l	e	a	e
i	u	r	e	e	i	u	a	r	u	s	c	l	c	u	s
r	a	t	u	l	r	a	r	c	q	q	s	s	r	q	q
c	r	a	a	e	c	r	n	c	g	u	q	r	i	g	u
l	a	c	n	g	l	a	c	g	l	a	u	c	c	l	a
e	e	l	r	i	e	e	r	e	l	r	u	l	e	l	r
t	a	r	e	c	t	a	n	g	l	e	e	g	l	l	e
q	u	c	e	s	q	u	e	c	u	a	r	n	g	u	a
c	r	q	u	e	c	r	i	q	u	r	n	u	c	u	r
s	l	a	r	l	s	l	c	t	t	r	i	a	n	t	r
q	u	c	e	s	q	u	e	c	u	a	r	n	g	u	a
c	r	q	u	e	c	r	i	q	u	r	n	u	c	u	r

M: Geometry - Roll a shape game

Let us play a geometry game. Take a dice and roughly draw the given shapes using a marker, one shape each on each side. Roll the dice, say the name of the shape you roll, then find it on the paper and colour it.
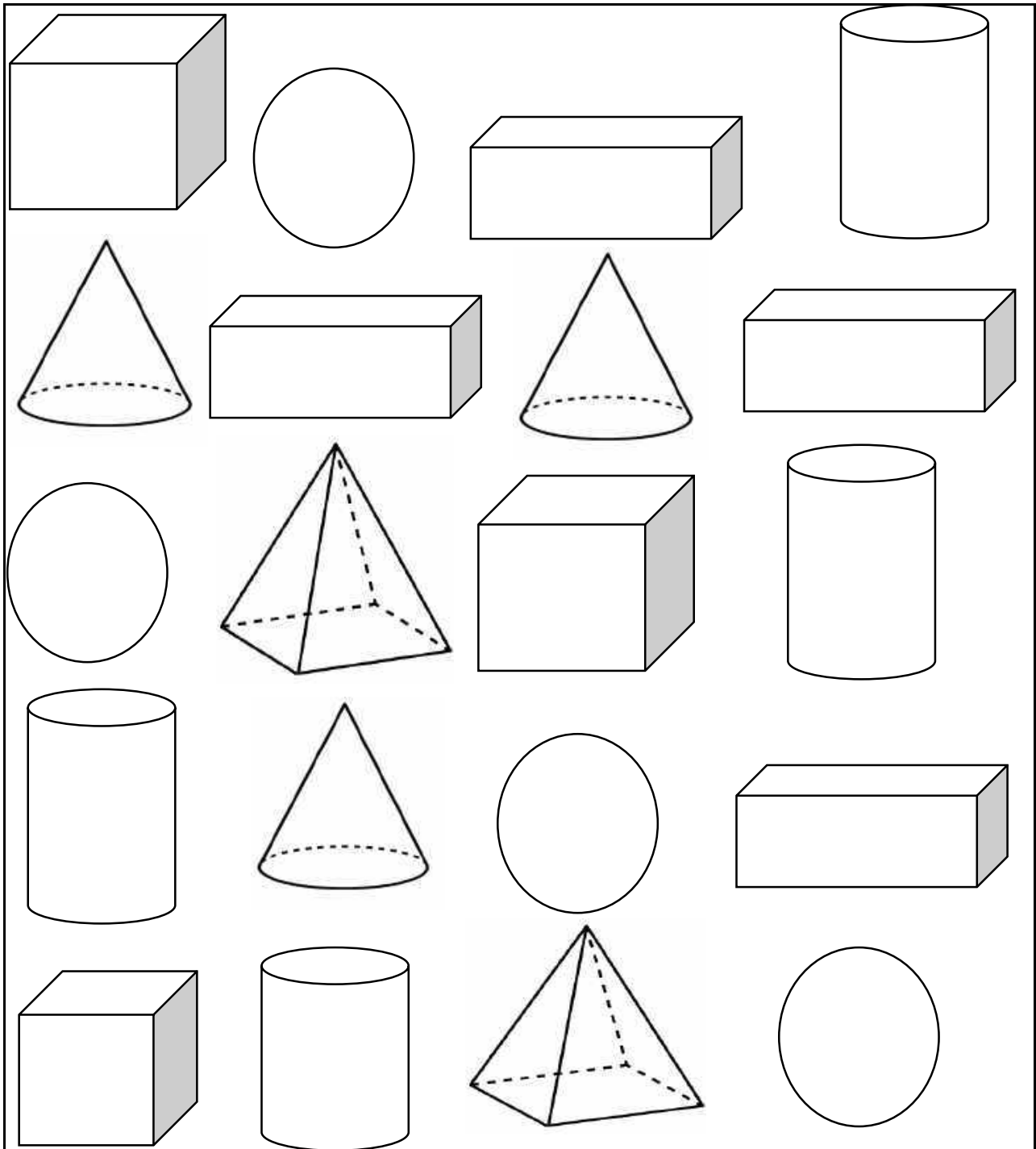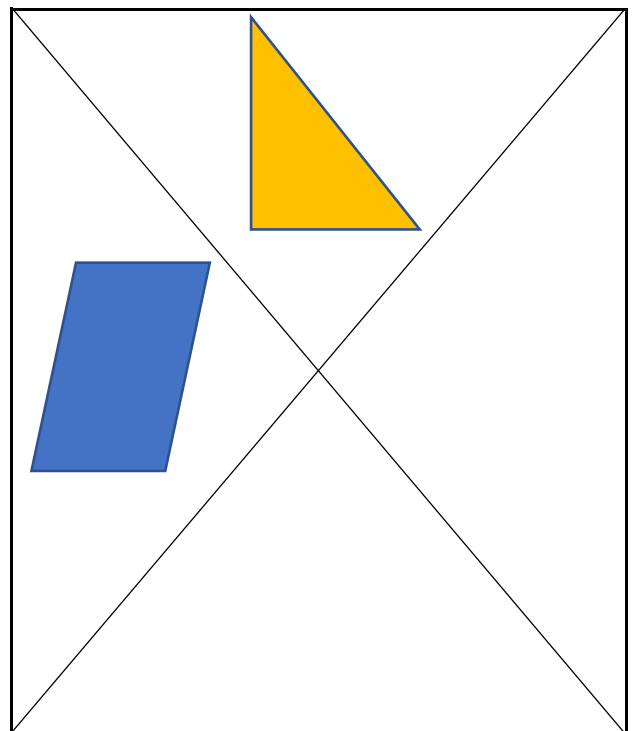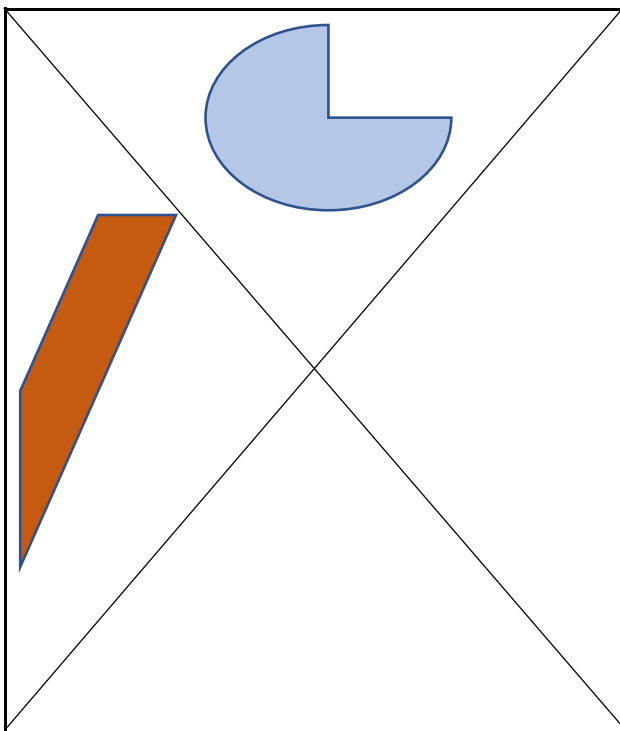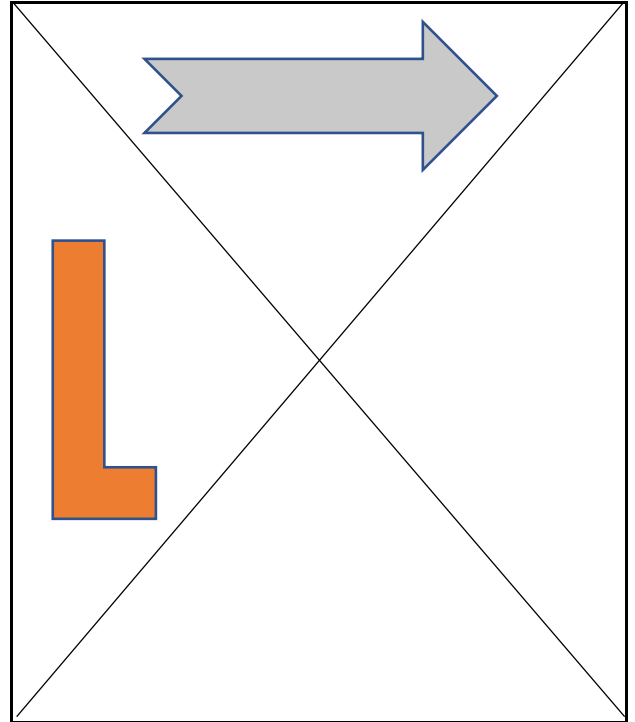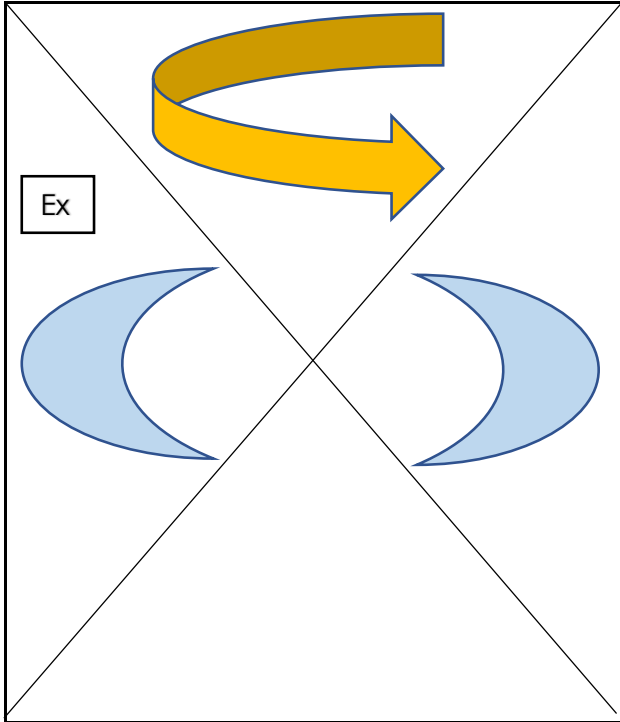
M: Geometry - Reflections

Reflection is a geometric transformation resulting in a mirror image. Here are few pictures. Draw their reflections to their opposite side in the space given below by looking at the example.

M: Geometry- Open the 3D shape

Do you know what 3D shapes are made of? They are made of a geometry net, which is a flat shape of the three dimensional solid. Match the shape with their 3D net and colour them using different colours.
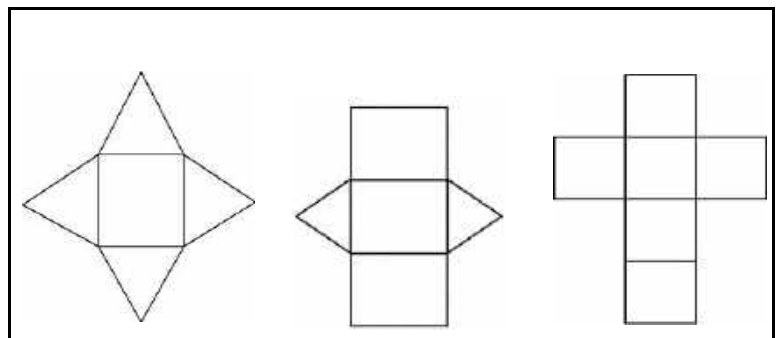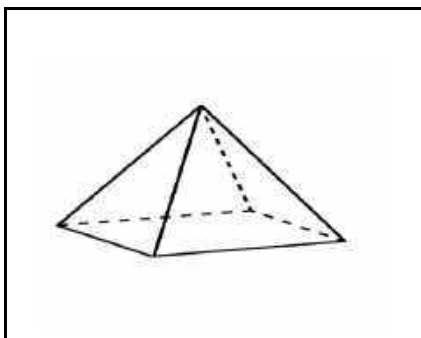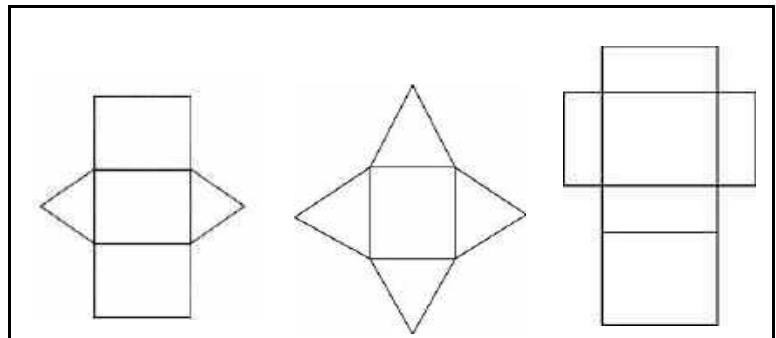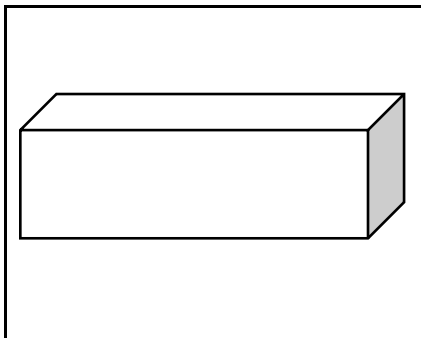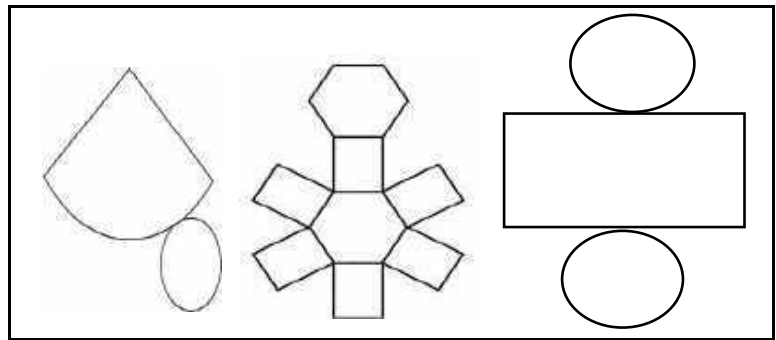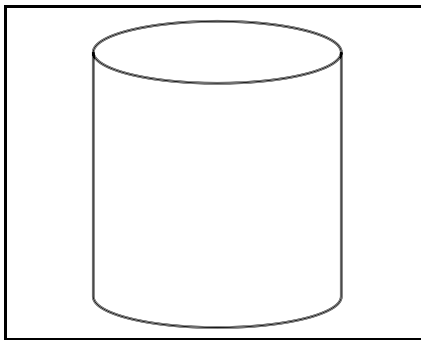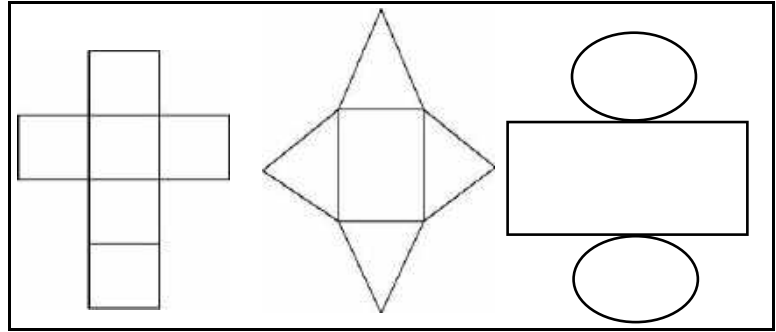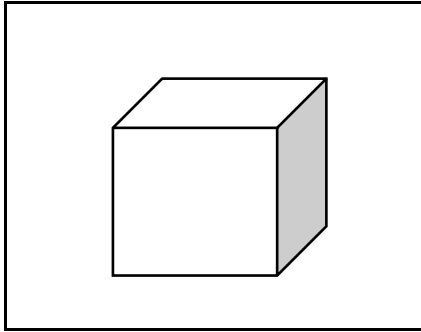
M: Geometry - Made of shapes

Geometry shapes are used in real life as well. Can you match the geometric shapes with their correct match that we use in our real lives?
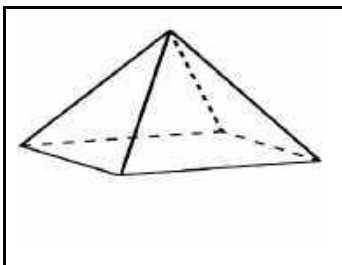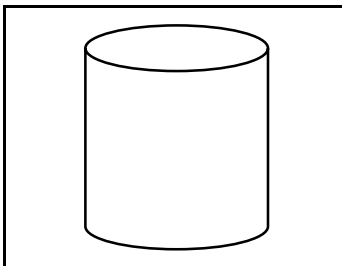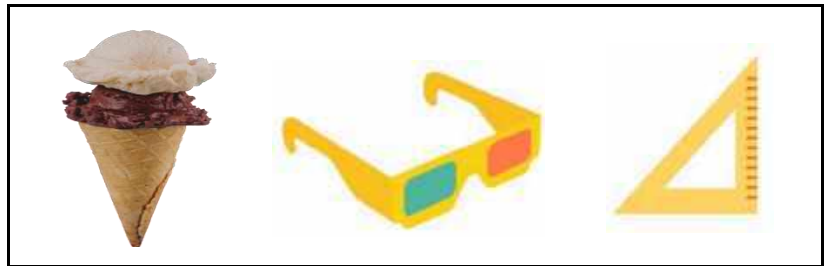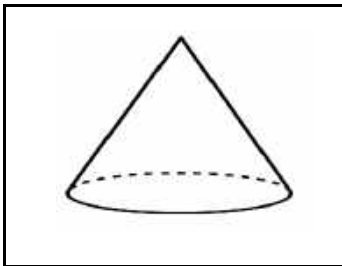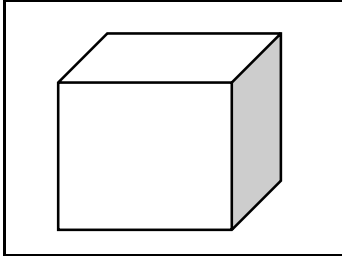
M: Geometry- Make the given shape

Hey folks, let us learn to make a 3D shape today. Here are few steps given, follow it and make a pyramid. Tell us how many faces it has by colouring them using different colours?

Step 1: Draw triangle as shown in the figure.
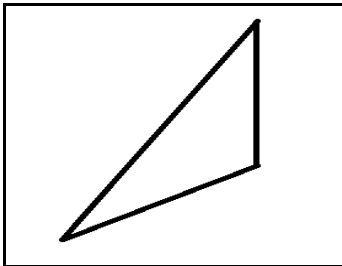
Step 2: Draw two more lines and make one more triangle as shown below
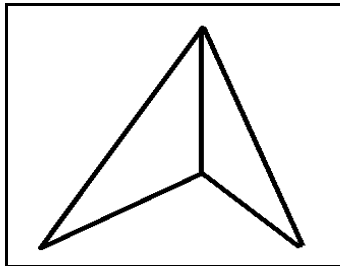
Step 3: Draw one more line in the bottom and complete your pyramid.
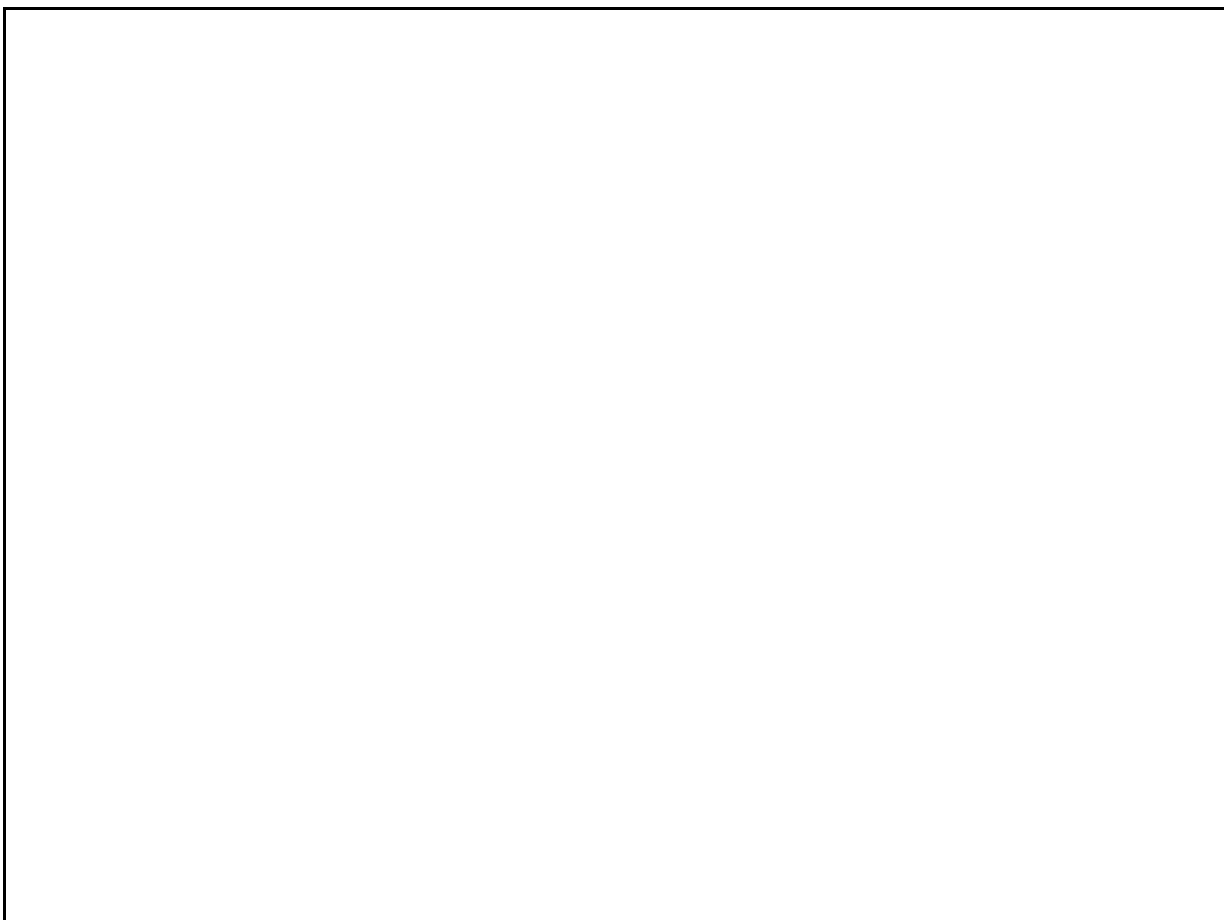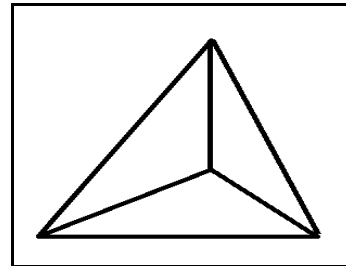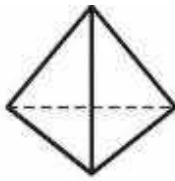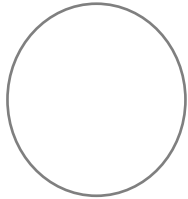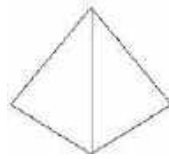
MATCH THE ATTRIBUTES

Match the objects in column 1,2, and 3 based on their attributes. One has been completed for you.
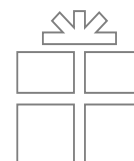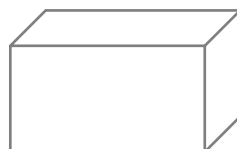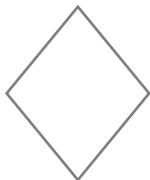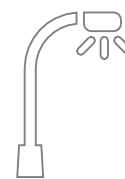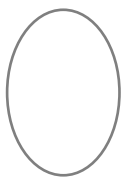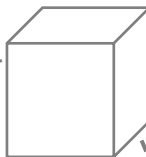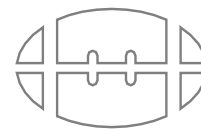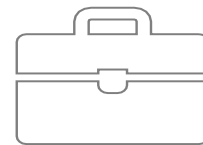
PROJECT: CARROLL DIAGRAM

This activity is perfect for organizing different objects on a visual graph.

Supplies: setting up the project

1   Color sheets - red, blue, green, and brown

2   Scissors, A4 sheet, and pencil

Steps to follow:

1   Take the colored sheets and cut them into different shapes and sizes, as mentioned below.

2   Make 3 triangles of red, blue and brown.

3   Make 3 squares of blue, green and brown.

4   Make 3 rectangles of red, blue and green.

5   Make 3 circles of red, green and brown.

6   Take your A4 sheet and draw a table of different attributes of colors and shapes.

7   A set of attributes is given below or you can make your own.

8

Attributes	Red	Blue	Green	Brown
Shape with four sides				
Shape with all equal sides				
Shape with 3 sides				
Shape with no sides				

9   Make your Carroll Diagram by pasting the colored shapes in each box.

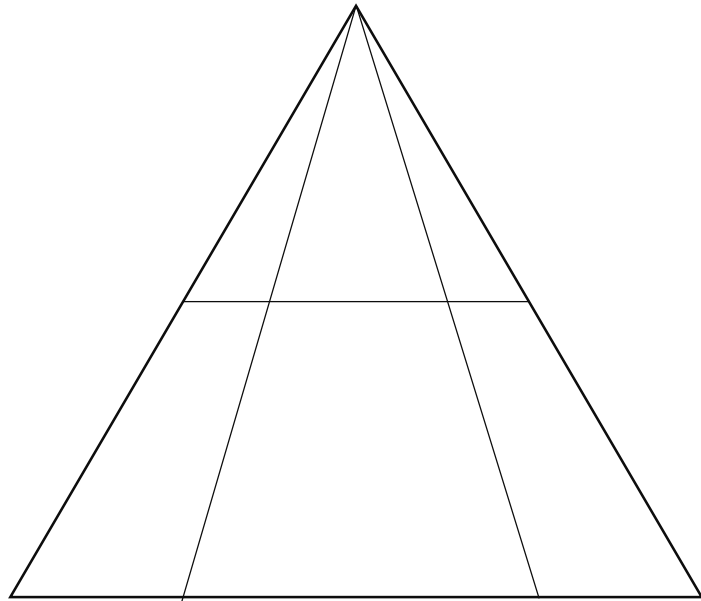10   Try to make the Carroll Diagram with different shapes, colors and sizes.

SOLVE THE PUZZLE

Find the correct answers for the puzzles given below.

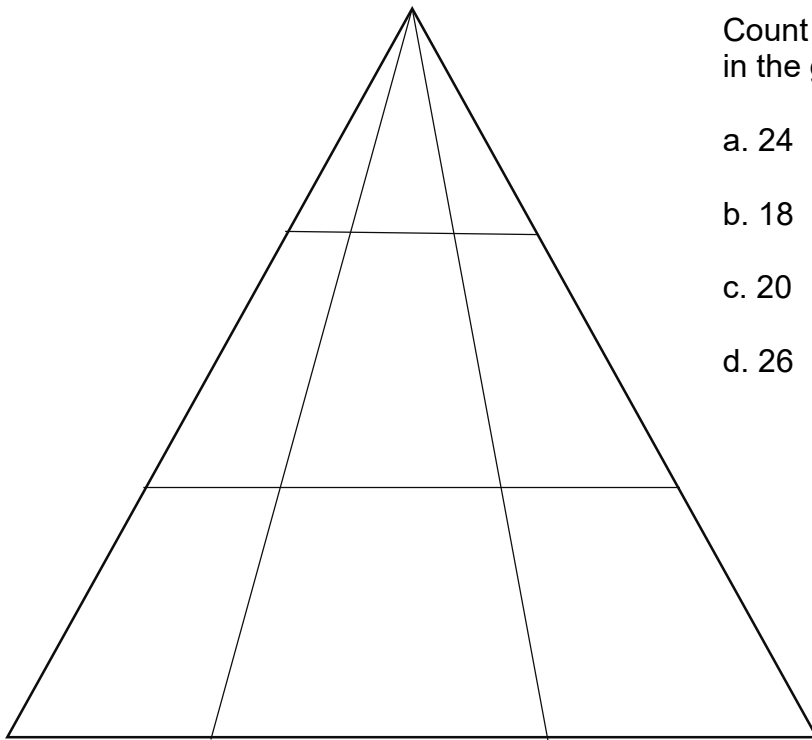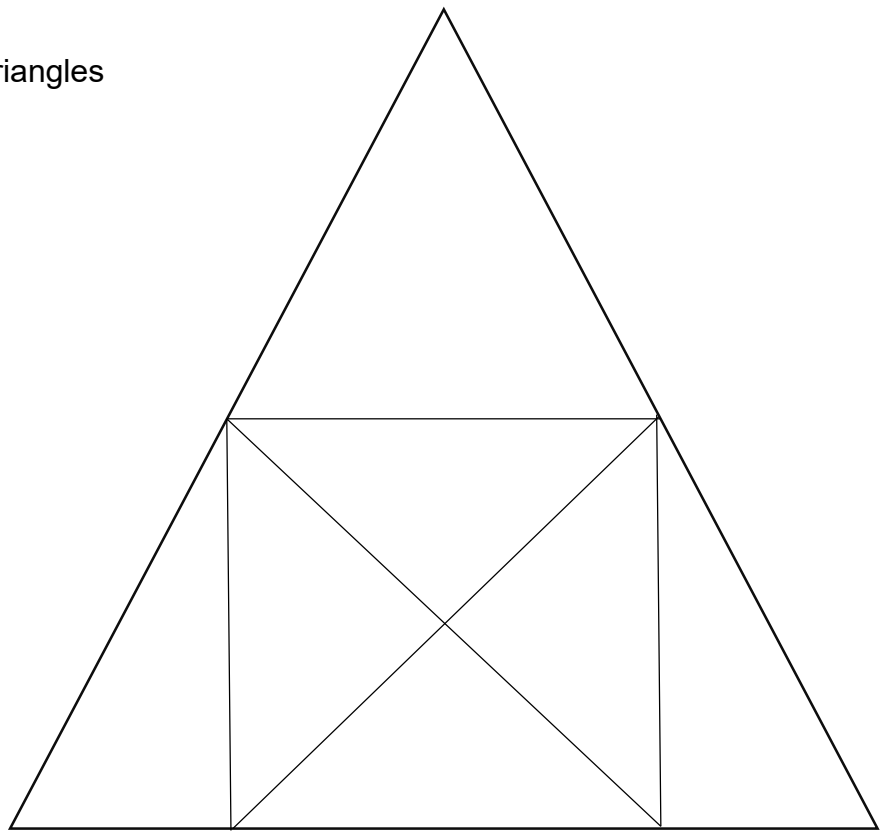1   Count the number of triangles
    in the given shape.

    a. 9

    b. 15

    c. 12

    d. 11

2   Count the number of triangles
    in the given shape.

    a. 24

    b. 18

    c. 20

    d. 26

SOLVE THE PUZZLE

Find the correct answers for the puzzles given below.

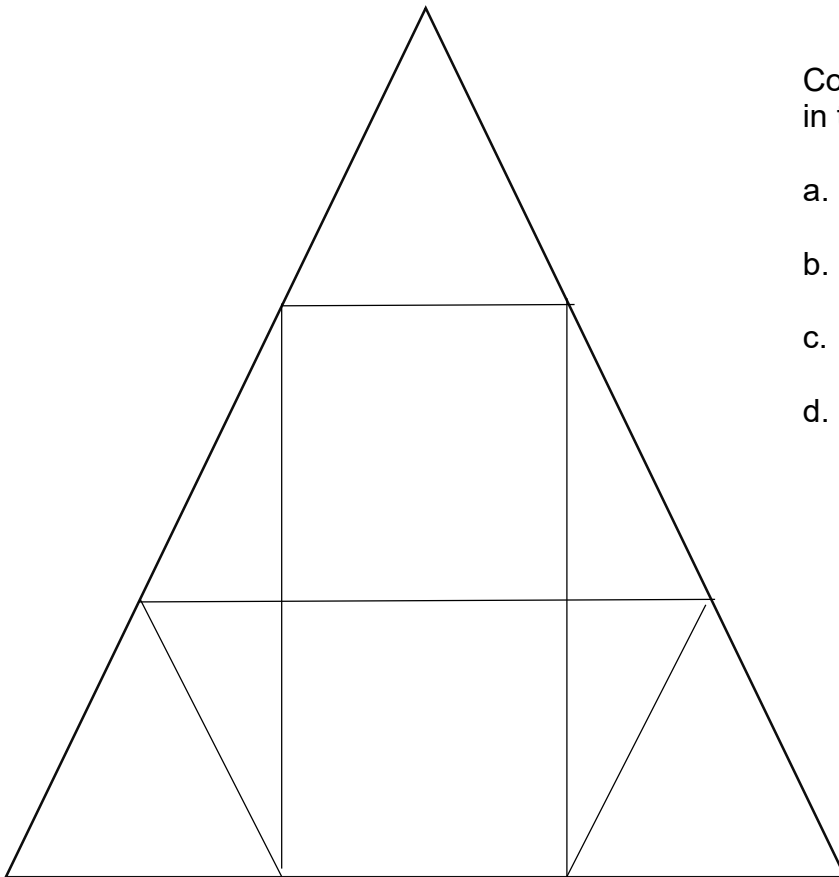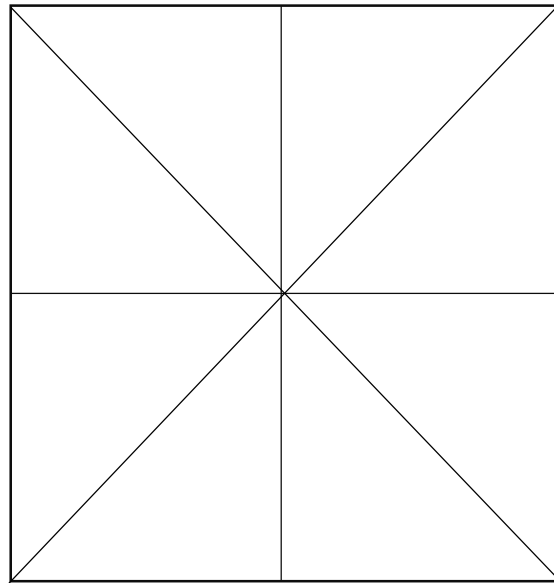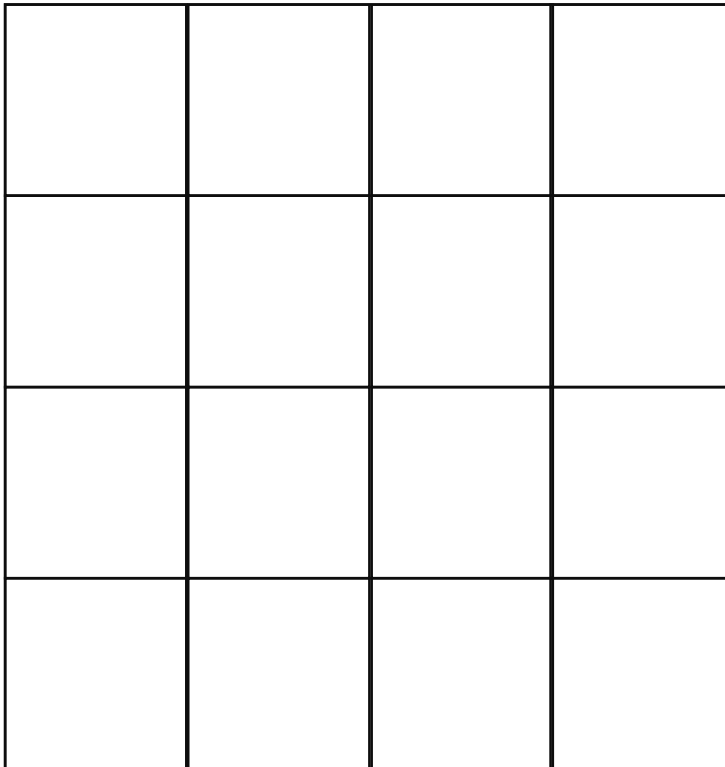1   Count the number of triangles
    in the given shape.

    a. 16

    b. 14

    c. 11

    d. 18

2

Count the number of triangles
in the given shape.

a. 10

b. 8

c. 12

d. 7

SOLVE THE PUZZLE

Find the correct answers for the puzzles given below.

1   Count the number of triangles
    in the given shape.

    a. 14

    b. 16

    c. 18

    d. 20

2

Count the number of squares
in the given shape.

a. 28

b. 25

c. 30

d. 20

SOLVE THE PUZZLE

Find the correct answers for the puzzles given below.

1   Count the number of squares in the given shape.

   a. 9

   b. 6

   c. 11

   d. 14

2
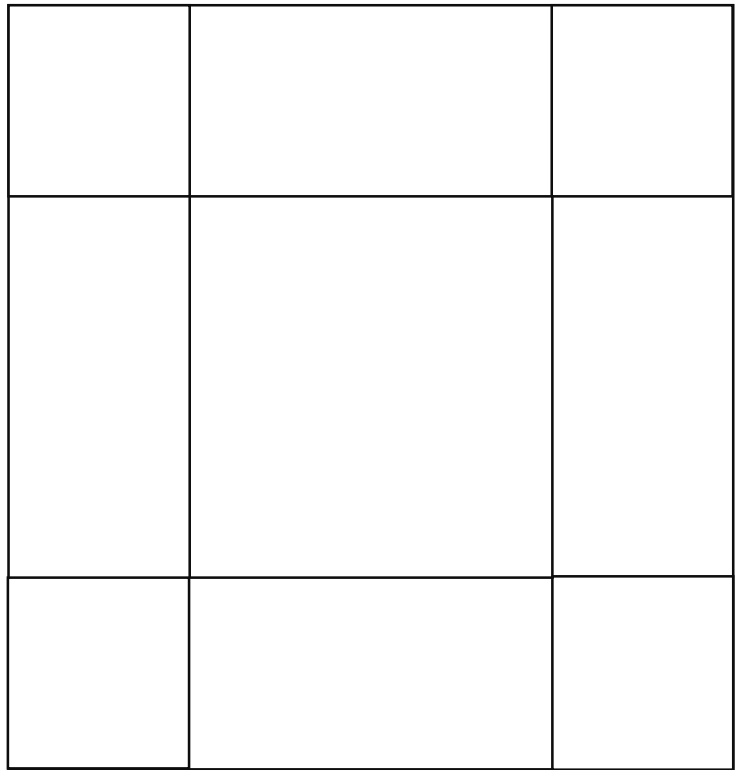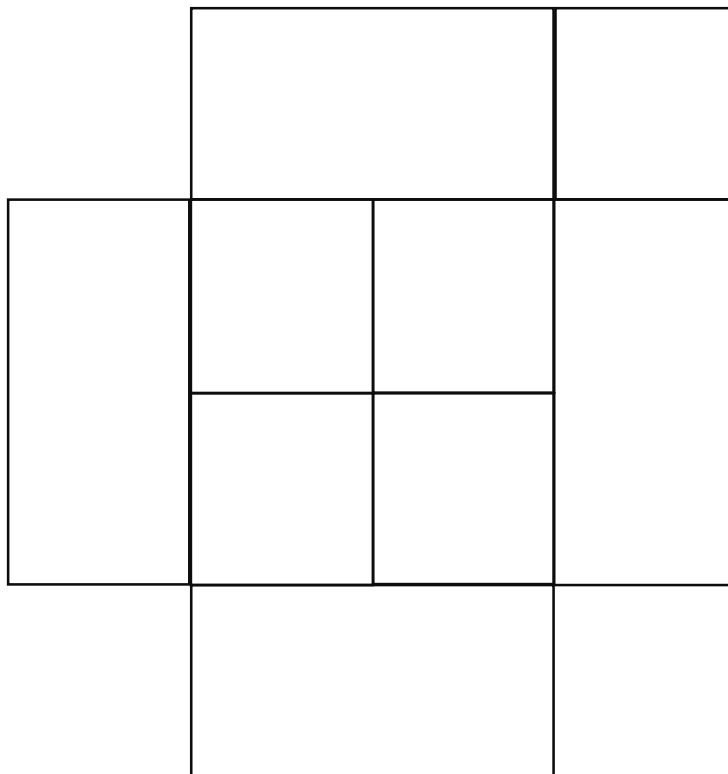
Count the number of squares in the given shape.

   a. 11

   b. 8

   c. 10
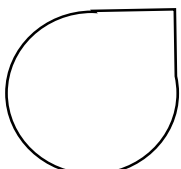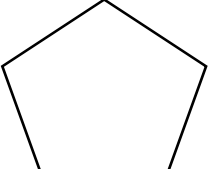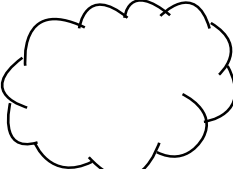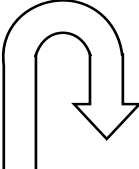
   d. 13

SHAPES SYMMETRY
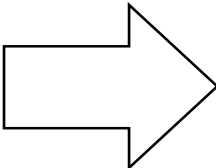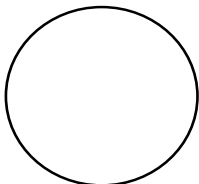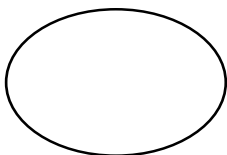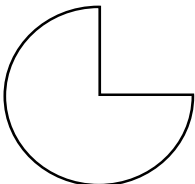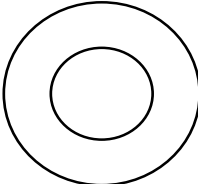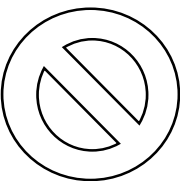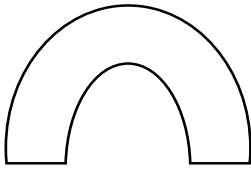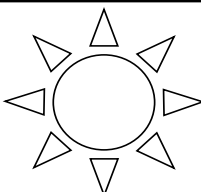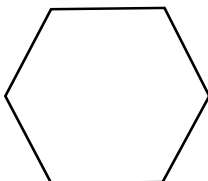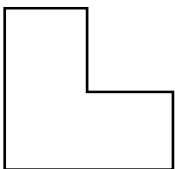
A shape has symmetry when two sides look the same.
A shape is symmetrical if it can be folded in half and the two sides
are mirror images of each other.

A line of symmetry is a line that seperates the shape into two parts
that are the same shape and size.
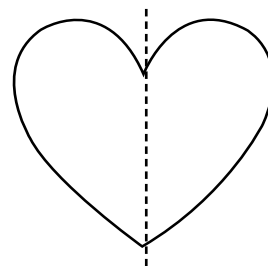
Directions : Determine if each shape has a line of symmetry. If it has a line of symmetry,
draw it and write **Yes** in the box. If it does not have a line of symmetry, write **No** in the box.

| Symmetrical ?	Symmetrical ?	Symmetrical ?	Symmetrical ?	Symmetrical ?
Symmetrical ?	Symmetrical ?	Symmetrical ?	Symmetrical ?	Symmetrical ?
Symmetrical ?	Symmetrical ?	Symmetrical ?	Symmetrical ?	Symmetrical ?
Symmetrical ?	Symmetrical ?	Symmetrical ?	Symmetrical ?	Symmetrical ?

Paper Cutting: Shapes

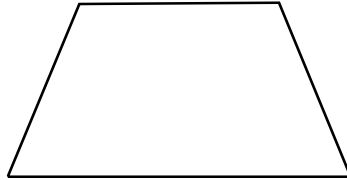Instruction: Using a pair of scissors cut out the following shapes. Parent's supervision is needed.
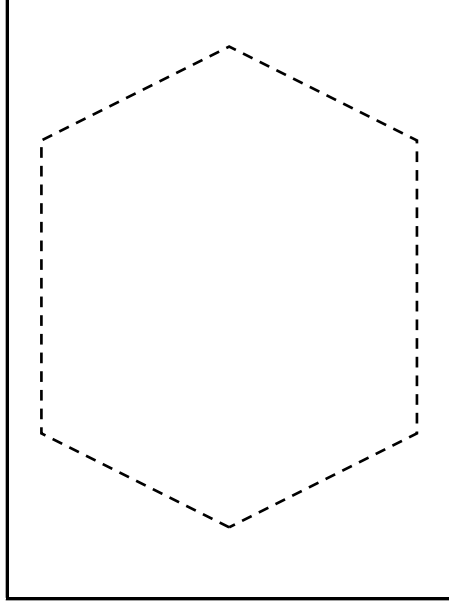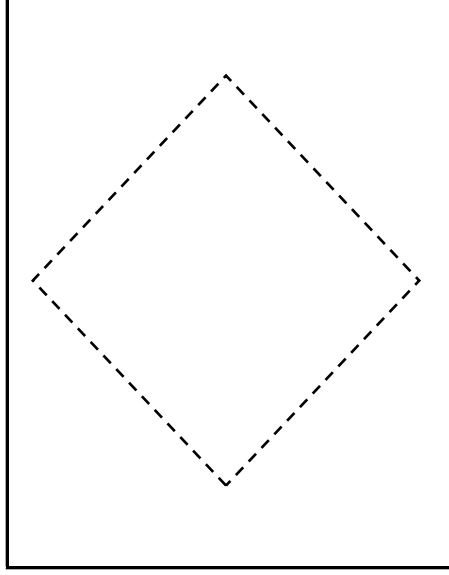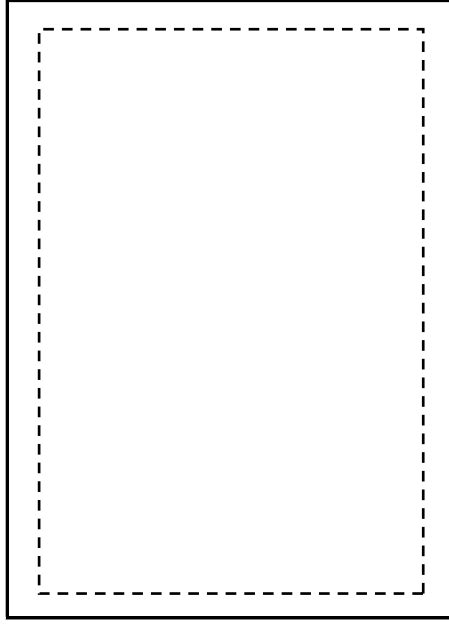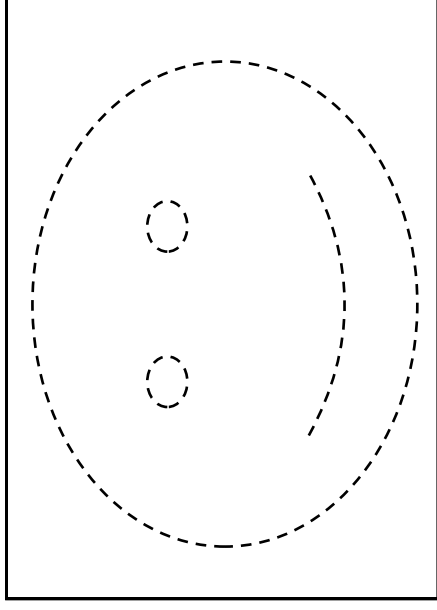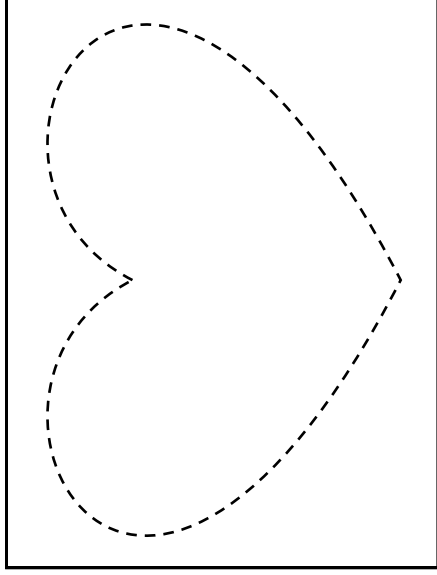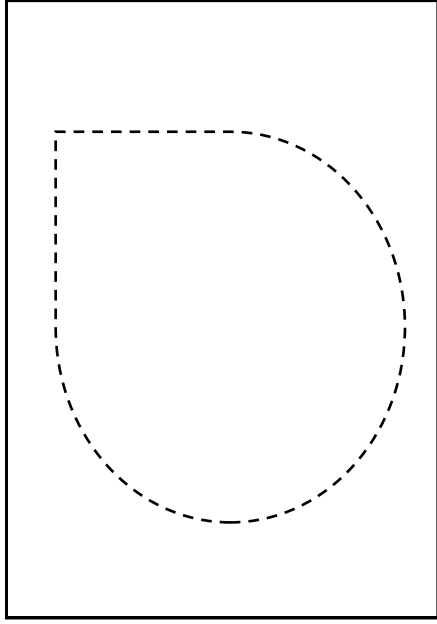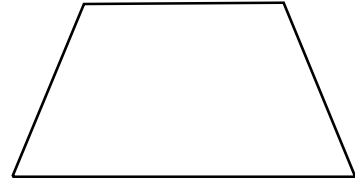
SHAPES IN A SHAPE

Count how many Shapes can fit in each shape given in the right column?
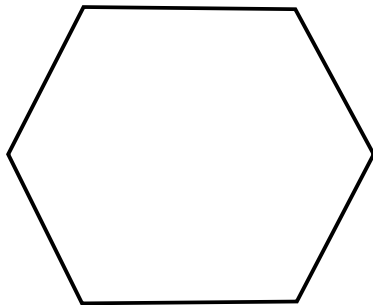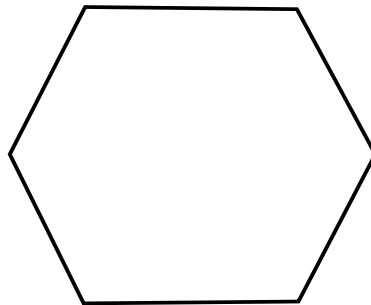Cut-out the shapes from reference sheet !
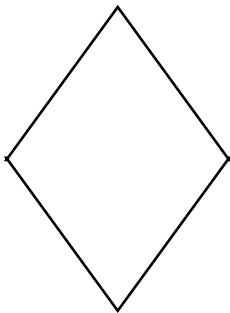
_____ triangle

_____ triangles

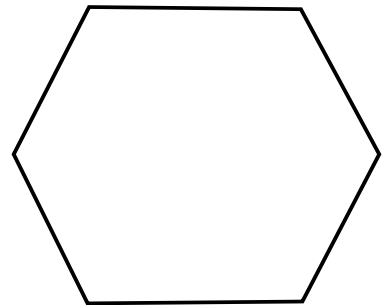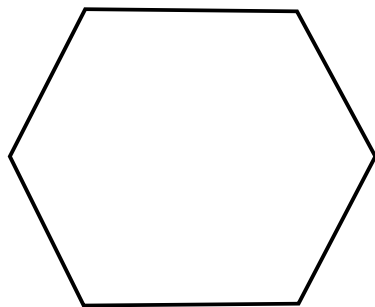_____ triangles

_____ rhombus

_____ triangles

_____ trapezium
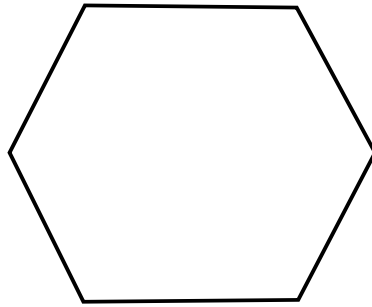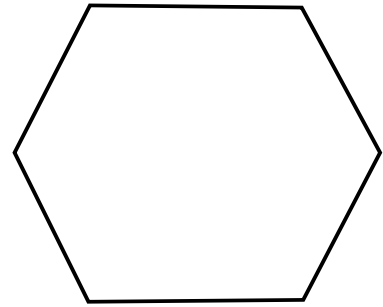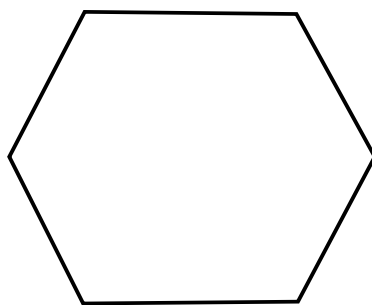
_____ rhombus

_____ triangle
_____ rhombus

_____ triangle
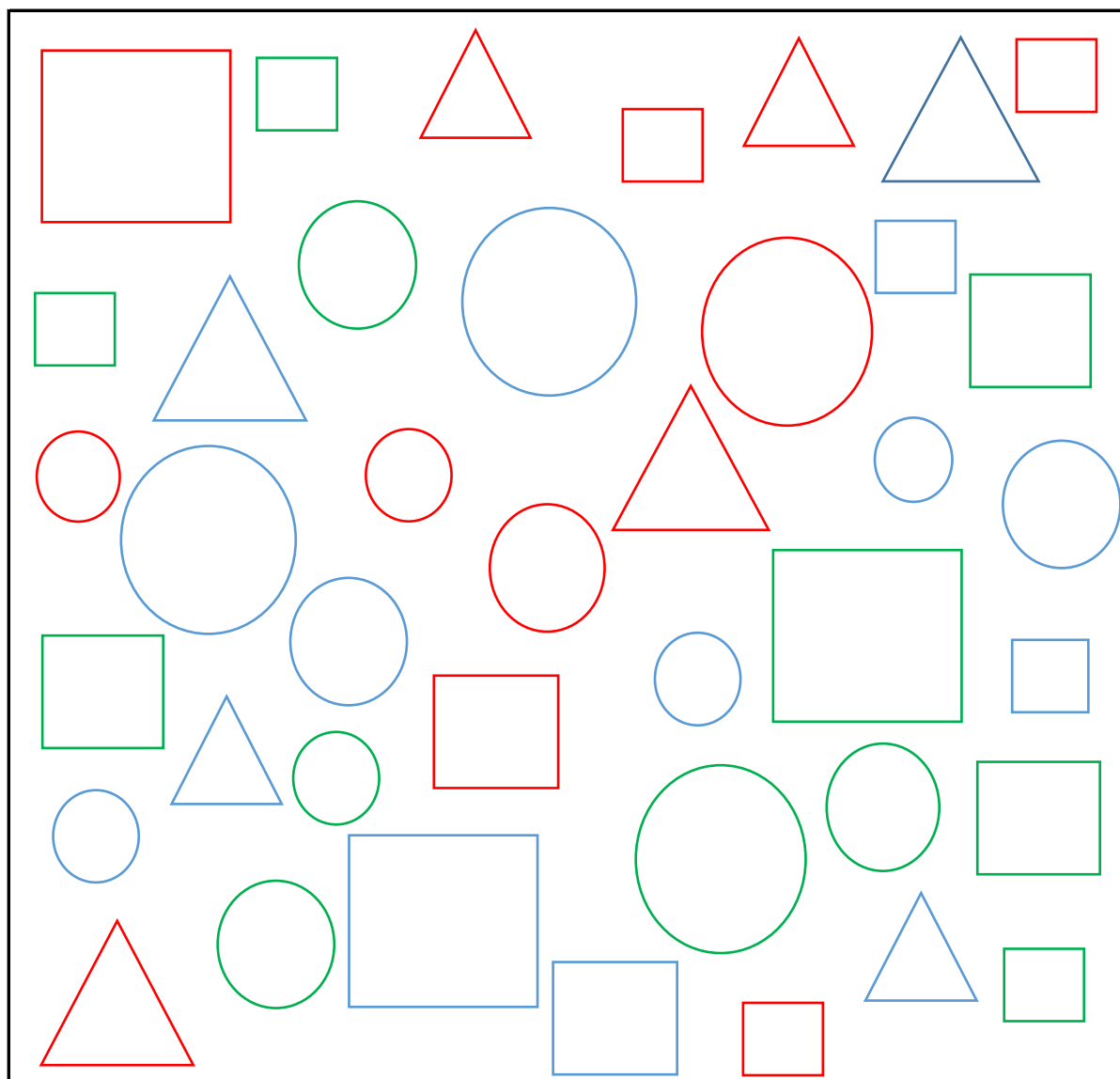_____ trapezium

_____ triangle
_____ rhombus

_____ triangle
_____ rhombus
_____ trapezium

SORT THE SHAPE AND COUNT

Directions:
1. Cut the shapes given below in the box.
2. Sort these shapes and answer the questions given below.

1. What is the total number of squares? _____

2. How many more green squares are there than the red squares? _____

3. Which shape has the highest number of shapes? _____

4. How many more big blue circles are there than big red circles? _____

5. How many more red triangles than blue triangles? _____

6. Which are there more of -small red squares or small red circles? _____

7. Which are there more of -medium green squares or big blue triangles? _____

8. Total number of blue shapes? _____

9. Total number of medium - sized shapes? _____

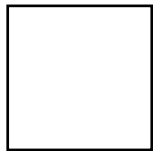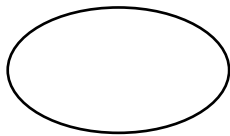10. Which color is least represented in the shapes? _____

Shapes
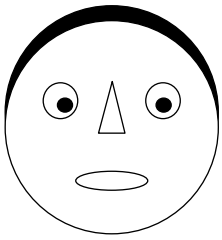
Help your friends Sally and Sam identify the missing letters to form complete words of the names of the shapes given below.
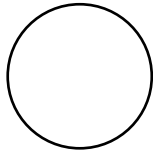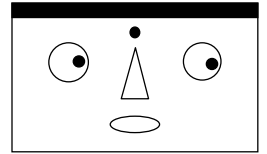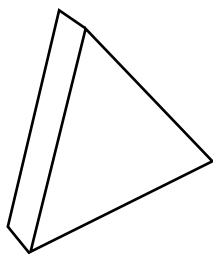
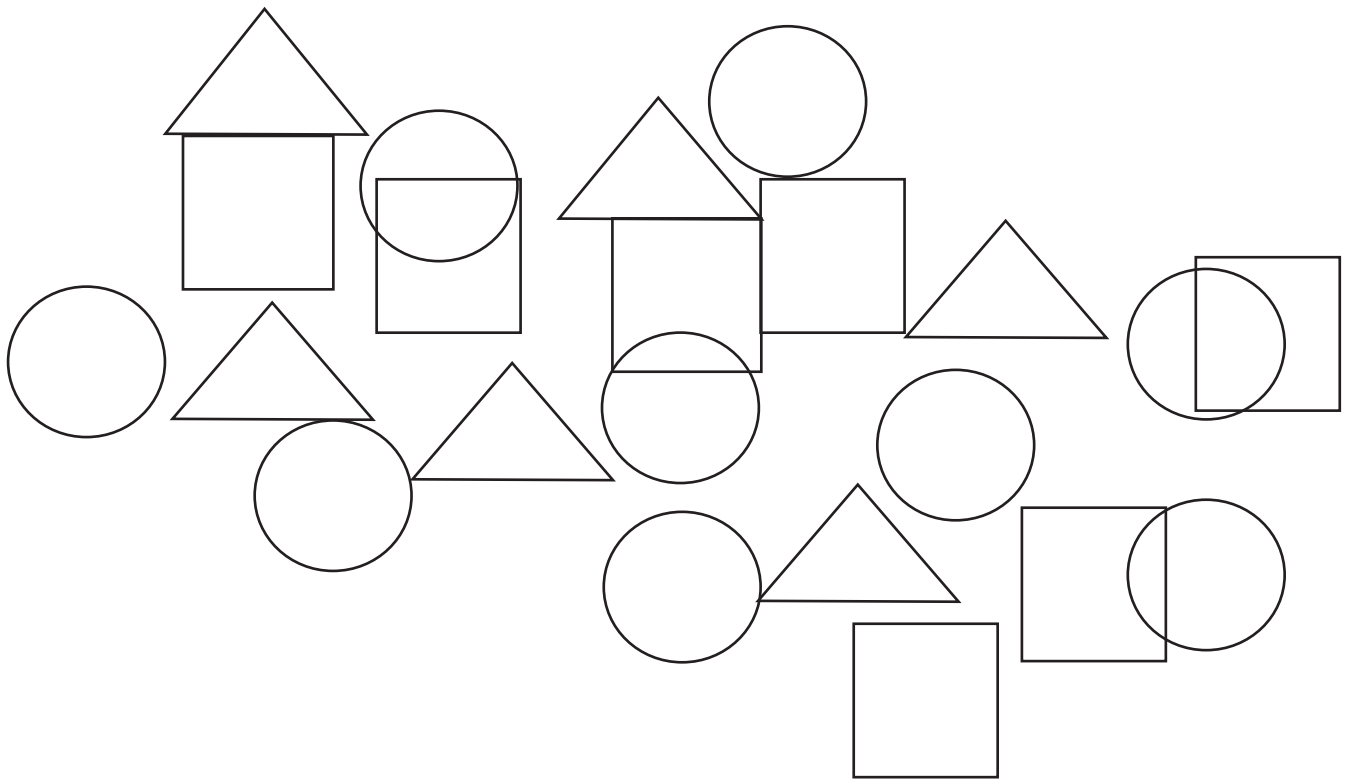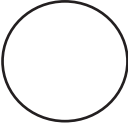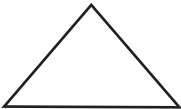ci __ cle

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rectan ___ le

Find the shapes

Sangeeta and her daughter were playing together. She asked her daughter the following questions.

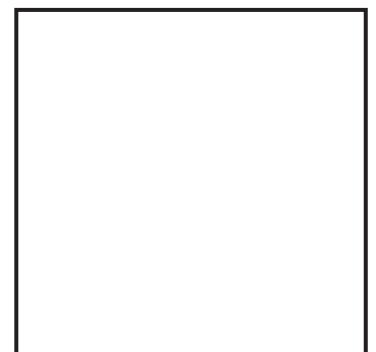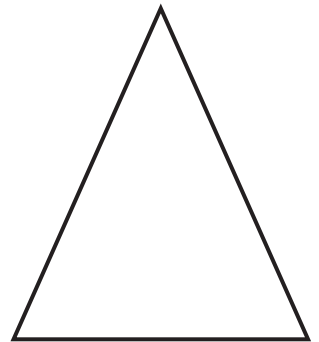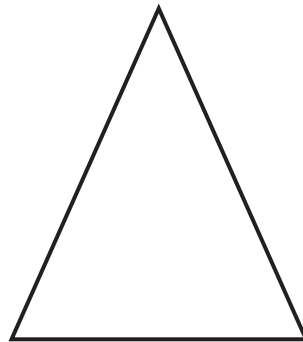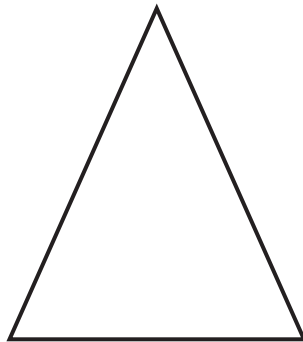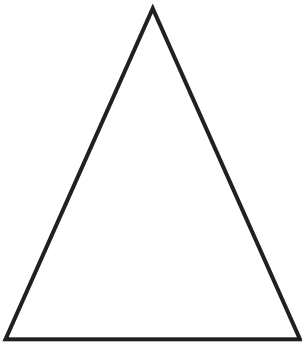1. How many ◯ are there in the picture?

2. How many ☐ are there in the picture?

3. How many △ are there in the picture?

Draw

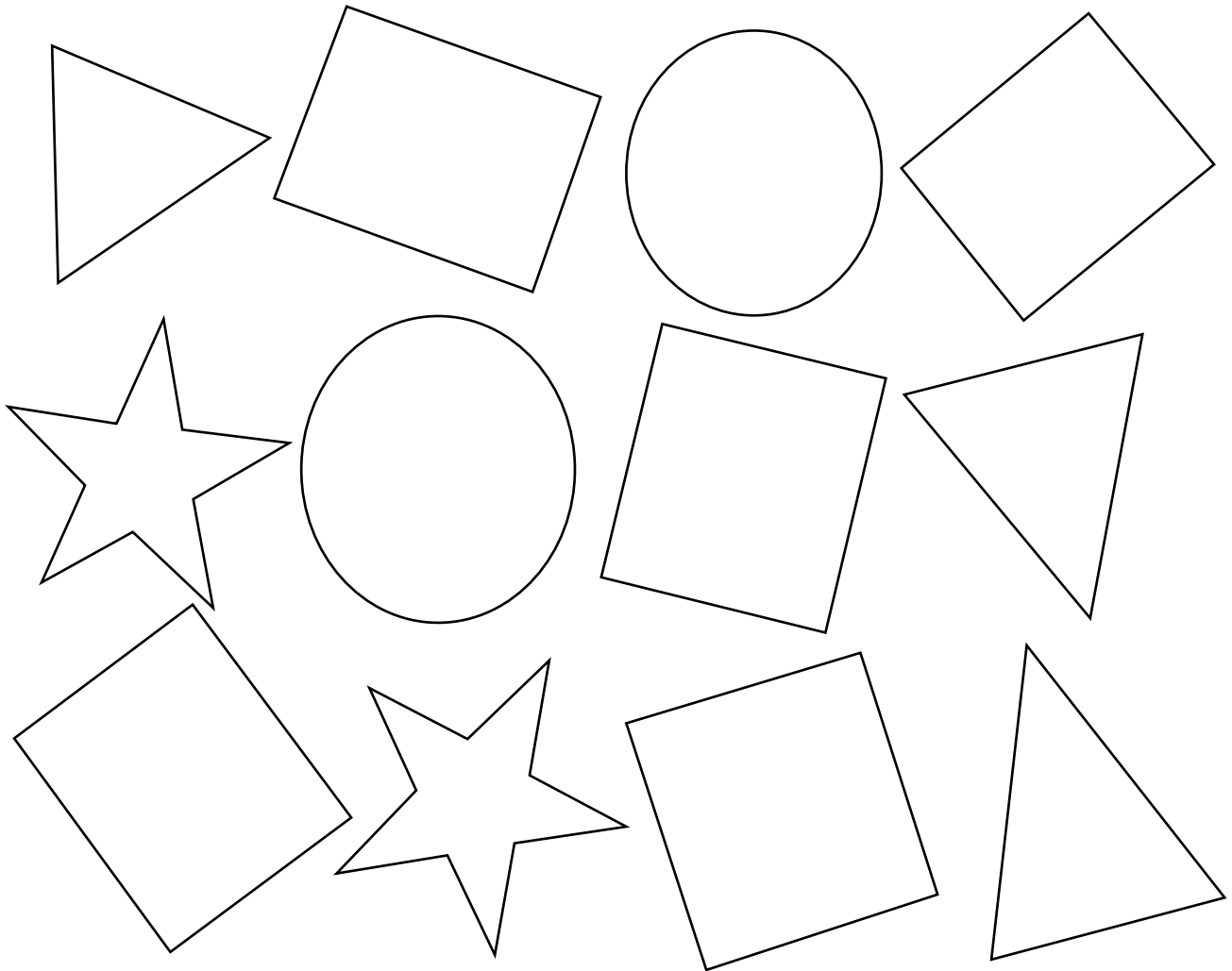Draw a Christmas tree with different shapes.

Colour by shape

Colour all the circles – red, triangles – yellow, squares – green and the stars – blue.
Write the colour pattern that you see after colouring the shapes below.

Colour patterns:

First row _____

Second row _____

Third row _____

Match the shapes to their related 3d objects.