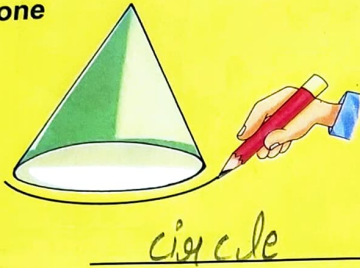


## Exercise 10.1

Q1. Draw the outline of the solid placed on the paper. What plane figure do you get?

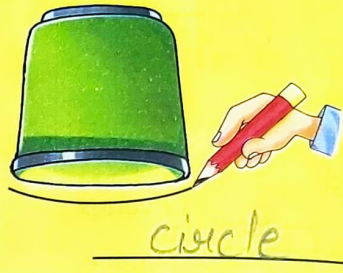


Cone



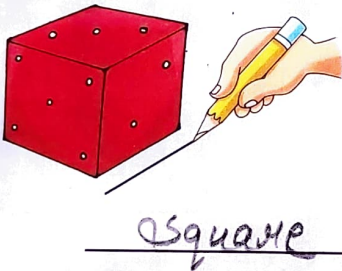
circle

Bucket



circle

Dice



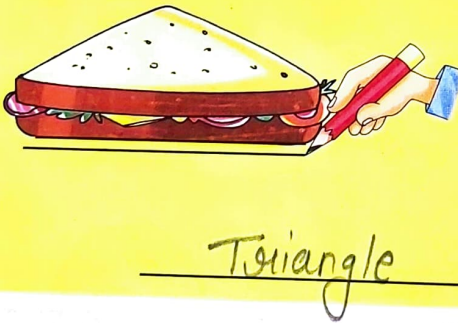
square

Mobile Phone



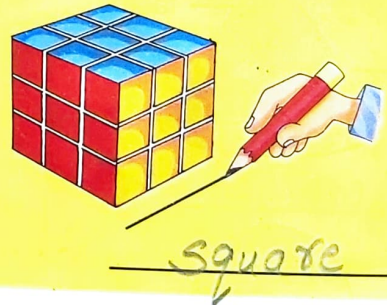
Rectangle

Sandwich



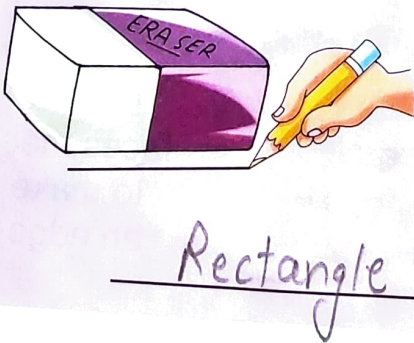
Triangle

Rubic cubic



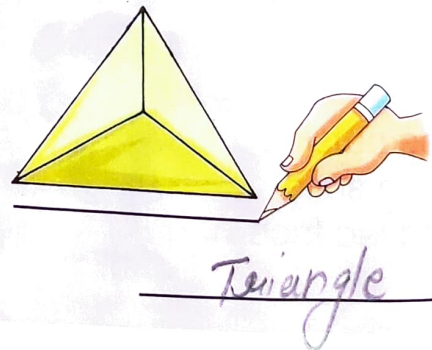
square

Eraser



Rectangle

Triangular Prism



Triangle

paper. What plane



Write the name of the solid shape for the following objects.



circle



rectangle



cube



cube



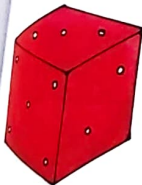
→ sphere



→ cuboid



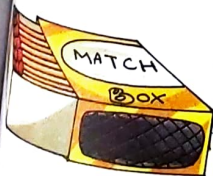
→ cone



→ cube



→ sphere



→ cuboid



→ cuboid



→ sphere



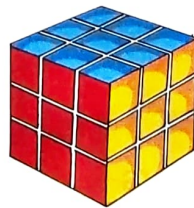
→ cylinder



→ cone



→ cylinder



→ cube

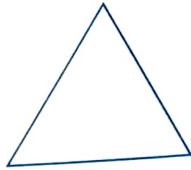


## Exercise 10.2

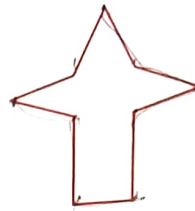
Q1. Count the number of sides and corners in the following shapes.



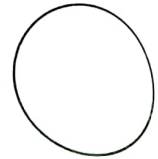
sides - 6  
corners - 6



sides - 3  
corners - 3



sides - 9  
corners - 9



sides - 0  
corners - 0



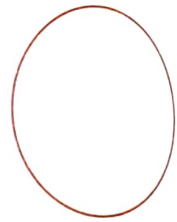
sides - 4  
corners - 4



sides - 3  
corners - 3



sides - 7  
corners - 7



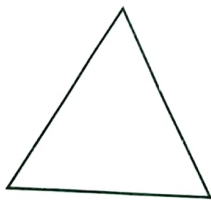
sides - 0  
corners - 0

Q2. Name the shape :-

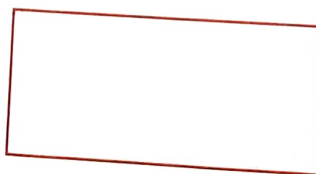
- In which all the four sides are equal
- Which has three sides and three corners
- In which opposite sides are equal
- Which has no sides and no corners

square  
Triangle  
Rectangle  
Circle

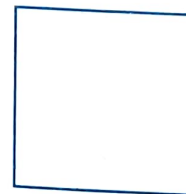
Q3. Write the number of sides and corners for each of the following figures.



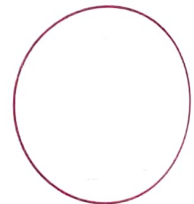
sides - 3  
corners - 3



sides - 4  
corners - 4

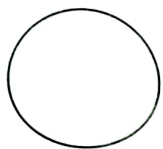


sides - 4  
corners - 4

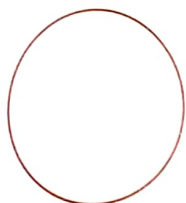


sides - 0  
corners - 0

Following shapes.



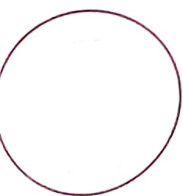
sides - 0  
corners - 0



sides - 0  
corners - 0

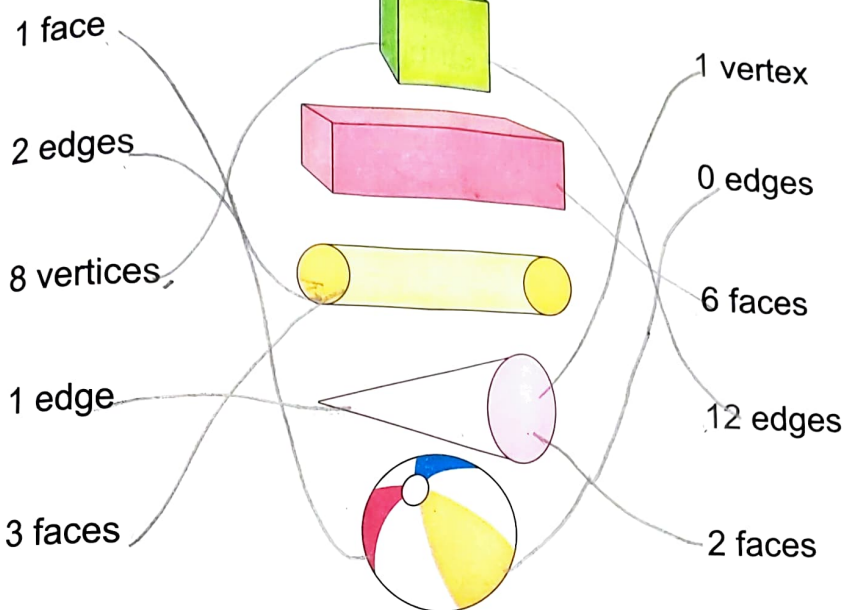
square  
Triangle  
Rectangle  
Circle

Following figures.

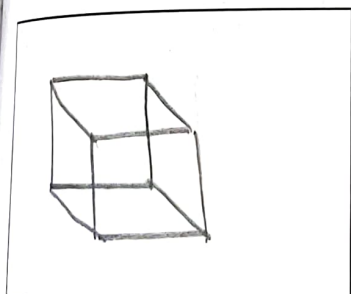


es - 0  
ners - 0

Q4. Match the following solid figure on the basis of faces, edges and vertices.

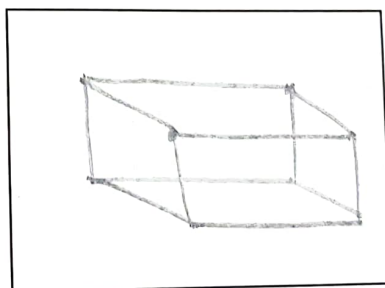


Q5. Draw the solid figures in the following boxes and find the number of faces, edges and vertices:



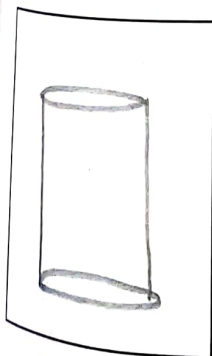
Cube

Faces - 6  
Edges - 12  
Vertices - 8



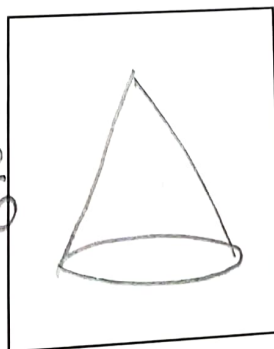
Cuboid

Faces - 6  
Edges - 12  
Vertices - 8



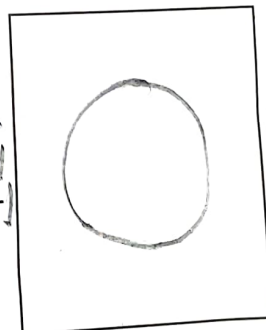
Cylinder

Faces - 3  
Edges - 2  
Vertices - 0



Cone

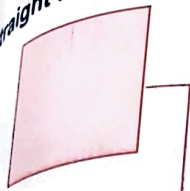
Faces - 2  
Edges - 1  
Vertices - 1



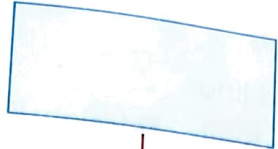
Sphere

Faces - 1  
Edges - 0  
Vertices - 0

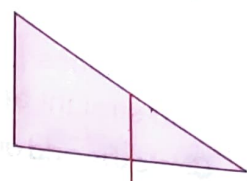
Straight lines may be horizontal, vertical and slanting



Vertical line  
(standing line)

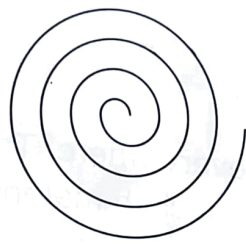


Horizontal line  
(sleeping line)



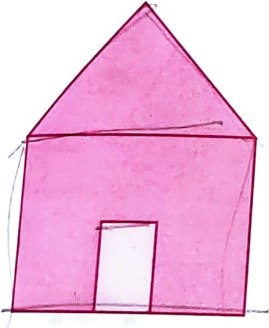
Slanting line

Curved lines



**Exercise 10.3**

Q1. How many of each do you see?

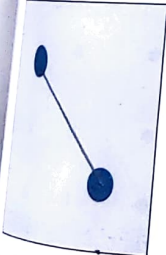


Sleeping lines - 3

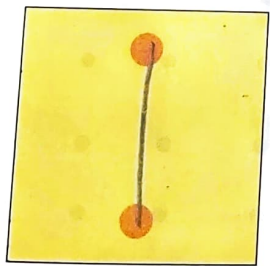
Standing lines - 4

Slanting lines - 2

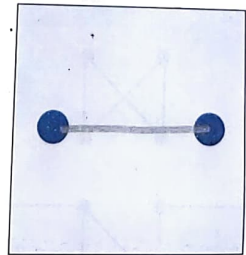
Q2. Join the dots to form the following lines.



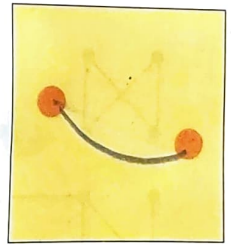
Slanting line



Standing line



Sleeping line



Curved line



**Q3. Name the letters of English alphabet which have**

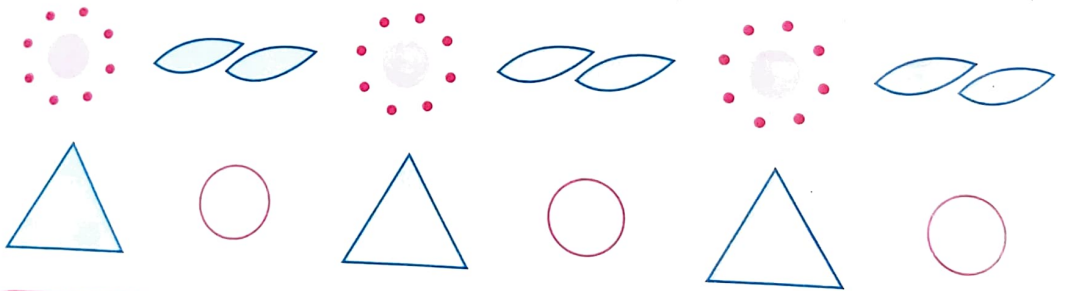
- (a) Straight lines **H**  
 (b) Curved lines **C**  
 (c) both straight and curved lines **B**

**Q4. Circle the odd one out on basis of straight lines and curved lines or both.**

- |     |   |          |          |          |
|-----|---|----------|----------|----------|
| (a) | A | N        | <b>S</b> | M        |
| (b) | B | D        | <b>E</b> | J        |
| (c) | C | S        | O        | <b>Y</b> |
| (d) | 1 | 4        | 7        | <b>8</b> |
| (e) | 2 | 9        | <b>1</b> | 5        |
| (f) | 4 | <b>3</b> | 7        | 1        |

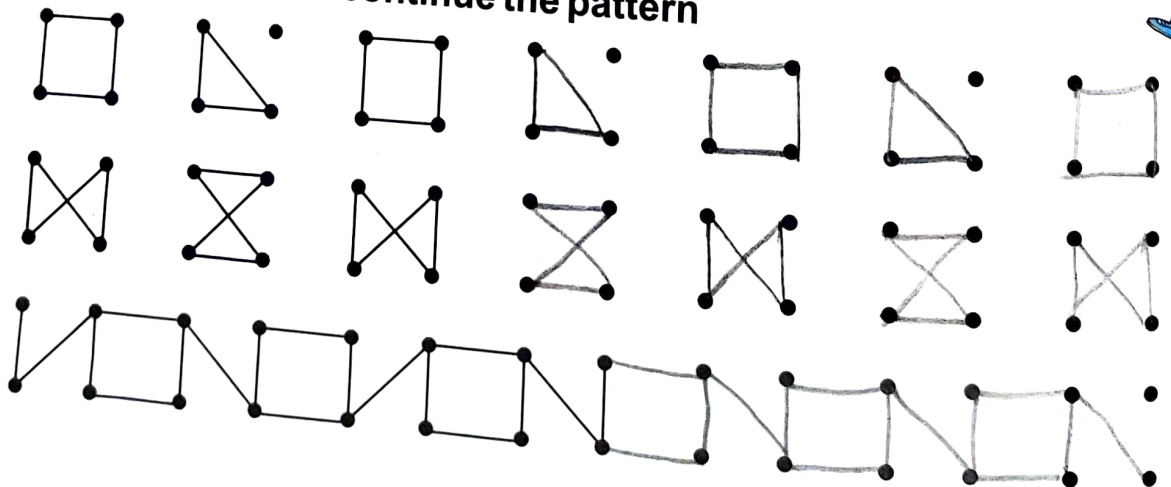
**Patterns :** We see patterns every where. They add beauty to the object  
 Patterns are seen in cloth material, buildings, nature etc

**Look at the patterns given below.**



**Exercise 10.4**

**Q1. Join the dots and continue the pattern**



ve

rved lines or both.

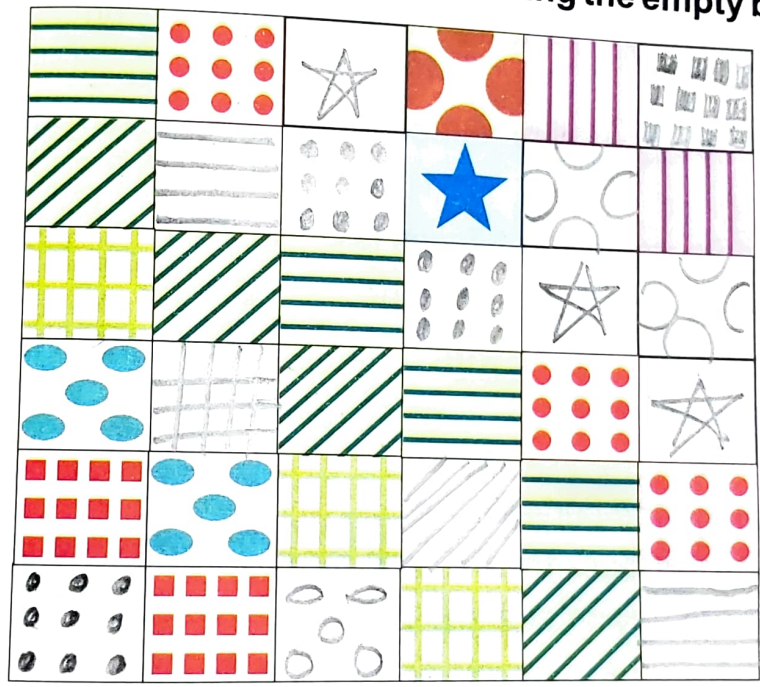
ty to the object  
nature etc



Q2. Look at the pattern and continue the sequence.

|    |    |           |           |           |           |           |
|----|----|-----------|-----------|-----------|-----------|-----------|
| BC | CD | <u>DE</u> | <u>EF</u> | <u>FG</u> | <u>GH</u> | <u>HI</u> |
| 68 | 65 | 62        | <u>59</u> | <u>56</u> | <u>53</u> | <u>50</u> |
| 10 | 15 | <u>20</u> | <u>25</u> | <u>30</u> | <u>35</u> | <u>40</u> |
| X  | V  | T         | <u>R</u>  | <u>P</u>  | <u>N</u>  | <u>L</u>  |

Q3. Complete the colour pattern by colouring the empty boxes.



Q4. Circle the pattern that matches with the first shape.

