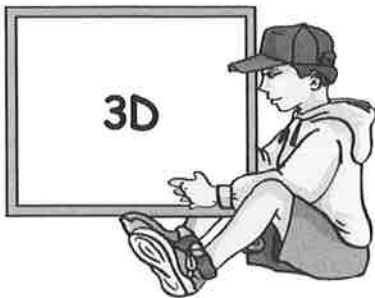
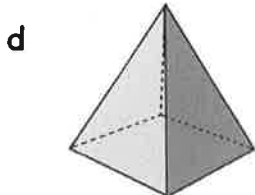
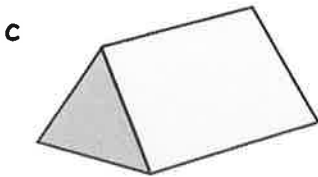
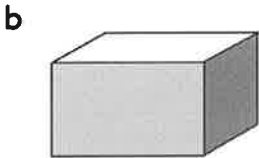
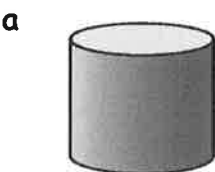


# CHAPTER 16

## Exercise 1

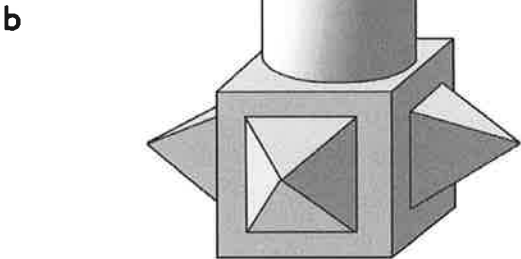
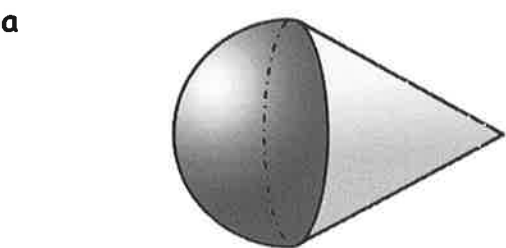


1. Name the following mathematical shapes :-

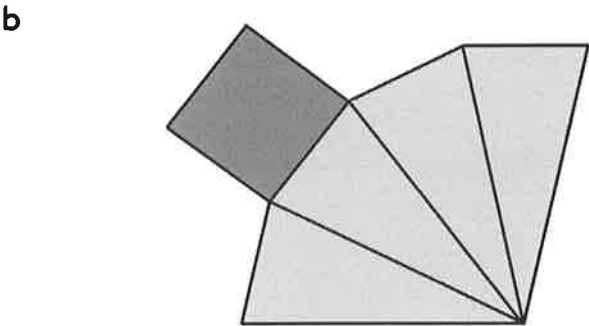
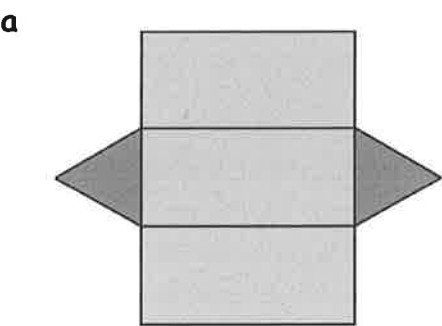


2. These objects are made up of more than one 3-dimensional shape.

List the different shapes :-



3. Which 3D figures do you get if you cut out the following shapes and fold them ?



4. How many edges has a :-
- a cube
  - b triangular prism
  - c cylinder ?
5. How many faces has a :-
- a cuboid
  - b square based pyramid
  - c sphere ?
6. How many vertices has a :-
- a cube
  - b cone
  - c cylinder ?

## Exercise 2

1. Name all the 3D mathematical shapes in each of these objects :-

a



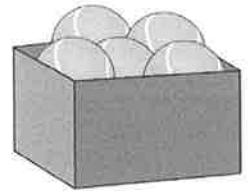
b



c



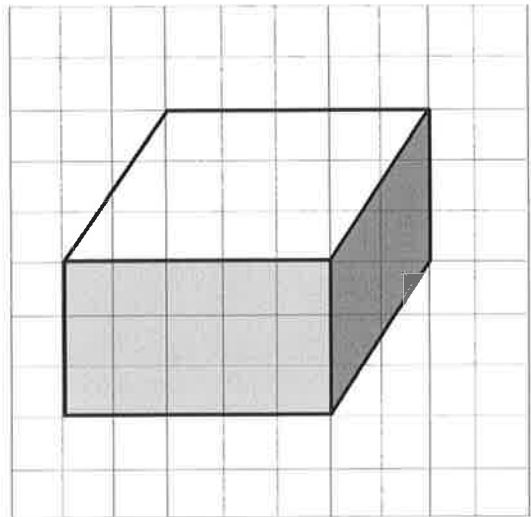
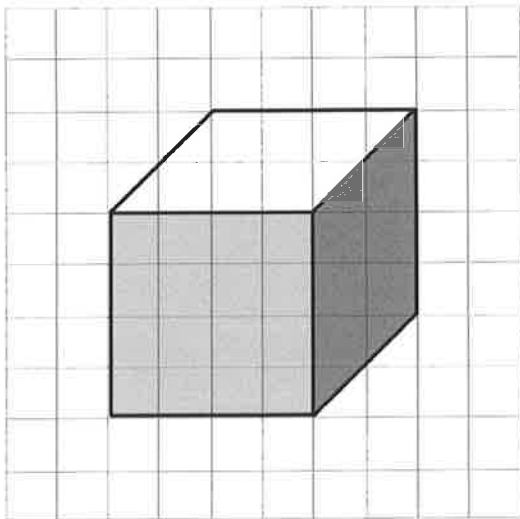
d



2. Make a list of as many objects as you can (at least 4) in your room or outside your house, which are in the shape of a :- a cuboid b cylinder.

## Exercise 3

On squared paper, draw the cube and the cuboid.



## Revision Exercise

(Question 5 will require a small piece of isometric paper).

1. Name the following mathematical shapes :-

a



b



c



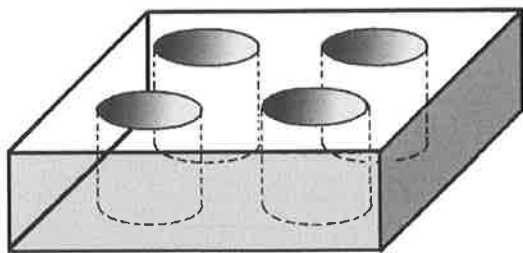
d



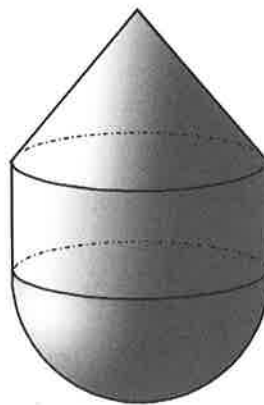
2. The two objects below are made up of more than one 3D shape.

List the different shapes :-

a



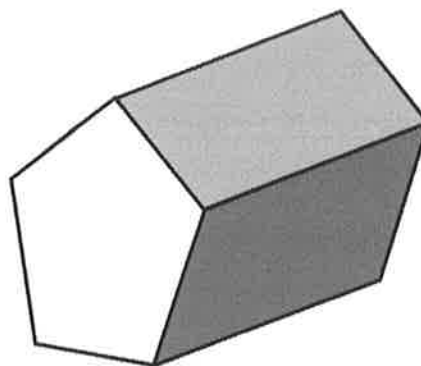
b



3. This shape is called a **Pentagonal Prism**.

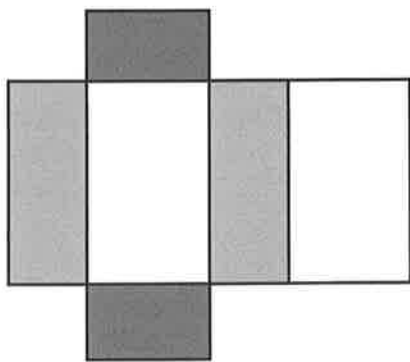
- a How many vertices does it have ?
- b How many edges does it have ?
- c Copy and complete this sentence :-

"This pentagonal prism consists of .... **faces**, two of them being a ..... and the other ..... are ....."

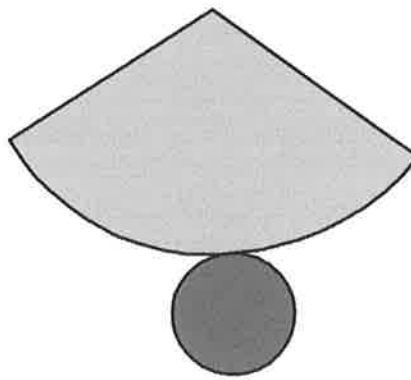


4. Which 3D figure would you get if you cut out each shape and folded it ?

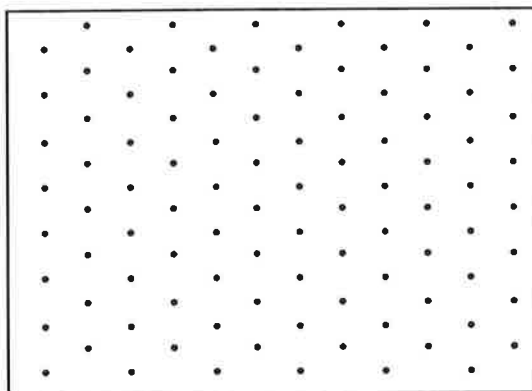
a



b



5. Use a piece of isometric (dotty) paper to draw a **cuboid** which is 5 boxes by 3 boxes by 3 boxes.



**Dotty paper needed**