

## The main characteristics of pyramids:

- **1 base** (polygon)
- **faces are all triangular**
- **all the faces meet at one vertex on top**

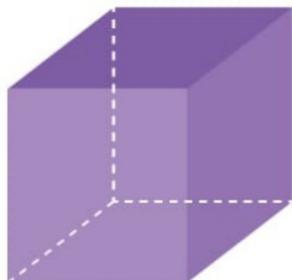
## The main characteristics of prisms

2 bases (polygons) identical bases (same shape and same size)  
all other faces are rectangular

## Look Back

Student's book p. 84

3 dimensions (length, width and height)  
What 3D shape is shown below? Talk to your partner about how you identify the 3D shape.



It is a cube.

6 square faces  
8 vertices  
12 edges

## Thinking Cap



Izzy paints the faces of the shape above and presses it on a paper. What shape will she get on the paper? What do you observe? Paint a similar 3D shape around you to find out.



A cube has square faces.

A cuboid has rectangular faces

A pyramid has triangular faces

## Let's Learn

a Anne has some toy blocks. Each block has the shape of a cube.

A cube has six flat faces.

The shape of each face is a square.

All the edges of a cube are equal in length.

## Student's book p. 84



b Zamir has a box which has the shape of a cuboid.

The cuboid has 6 flat faces.

Two of the faces have the shape of a square.

The other four faces have the shape of a rectangle

## Student's book p. 85



6 faces  
8 vertices  
12 edges

A cuboid can also have six rectangular faces. What do you think it will look like?

tissue box



How are cuboids similar to a cube? How are they different from a cube?

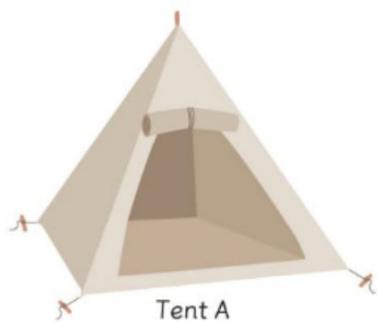
same number of faces and edges and vertices

different in size, a cube doesn't have rectangular faces only square faces

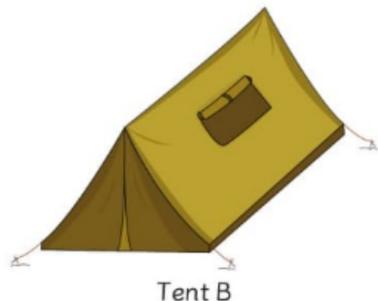
## Student's book p. 85

c There are two types of tents at a campsite.

Tent A has the shape of a pyramid.



Tent B has the shape of a prism.



Tent A has 5 flat faces.

It has 4 triangular faces.

The shape of its base is a square.

1 square base  
4 triangular faces  
5 vertices  
8 edges

The face at the bottom of a 3D shape is called the base.



It has 5 flat faces.

Two of the faces have the shape of a triangle.

The other three faces have the shape of a rectangle.

**both have triangles**

How are Tents A and B similar?  
How are they different?



**tent A is a pyramid      tent B is a prism**

5 faces  
6 vertices  
9 edges

## Let's Practise

I Name the shape of the shaded faces in Figures A and B.

a



Figure A

b

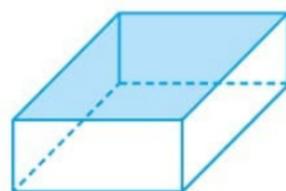


Figure B

triangular based prism

cuboid  
or  
rectangular prism

## Student's book p. 86

2 Look at the pyramids below.



Figure C

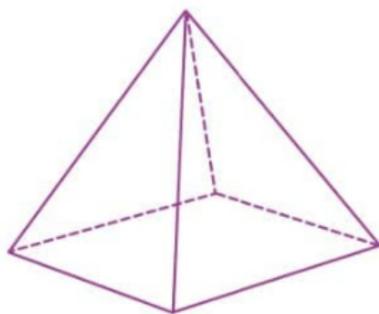


Figure D

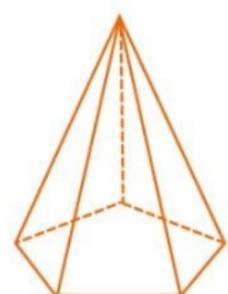


Figure E

**4 flat faces**

a How many flat faces does each pyramid have?



b What is the same and what is different among the pyramids?

**Difference:**

They have different shapes of bases.

**Similarity:**

They all have triangular faces that meet at one vertex.