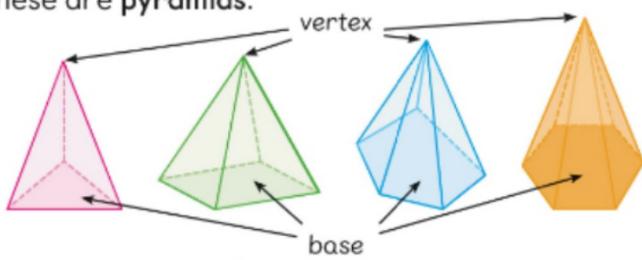


Let's Learn

a These are pyramids.



Their bases are **polygons**. They meet at a **vertex**.

82

The sides are different polygons that are **triangular** in shape.

Student's Book p.82

The first pyramid has a base that is a triangle. => triangular pyramid

- The second pyramid has a base that is a rectangle. => rectangular pyramid
- The third pyramid has a base that is a pentagon. => pentagonal pyramid
- The fourth pyramid has a base that is a hexagon. => hexagonal pyramid

The name of the pyramid depends on the shape of the base.

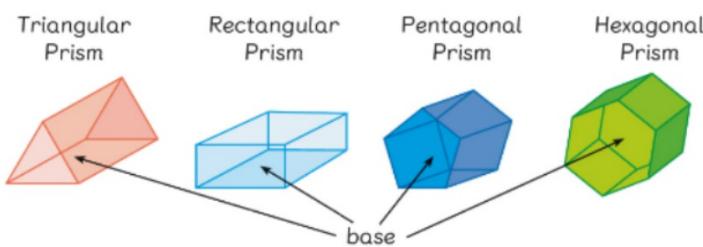
The number of triangular faces depends on the number of edges of the base:

pentagonal pyramid = base is a pentagon = so 5 triangular faces

All the triangular faces meet at the vertex.

Student's Book p.83

b These prisms have different names.



Prisms have two bases. They are identical shapes that face each other. The base is a polygon.

All the other faces are rectangles

The triangular prism has two bases that are identical triangles.

- The rectangular prism has two bases that are identical rectangles.
- The pentagonal prism has two bases that are identical pentagons.
- The hexagonal prism has two bases that are identical hexagons.

The name of the prism depends on the shape of the 2 bases.

The 2 bases are connected by rectangular faces.

The number of faces depend on the edges of the bases.

example:

hexagonal prism=> the bases have 6 edges =>
so the number of rectangular faces are 6

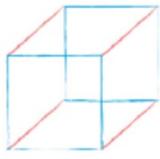
c Izzy sees some objects.

Student's Book p.83

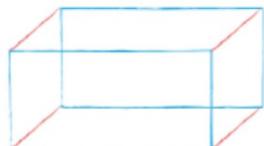


She sketches the 3D shapes.

First, sketch 2 squares. Then join the vertices of the squares to form a cube. Similarly, sketch 2 rectangles for a cuboid and 2 triangles for a triangular prism.



cube



cuboid



triangular prism

83

cuboid = rectangular prism