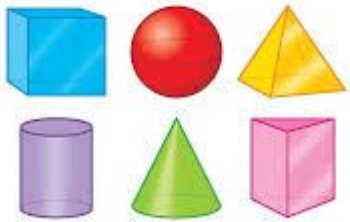
Lớp học Trực tuyến

Chương trình Tiếng Anh Tích hợp

EMG Education

3D shapes
-Names
- Properties
- Prisms and pyramids
- Nets



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3D shapes are everywhere..

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Let's learn some 3D shapes

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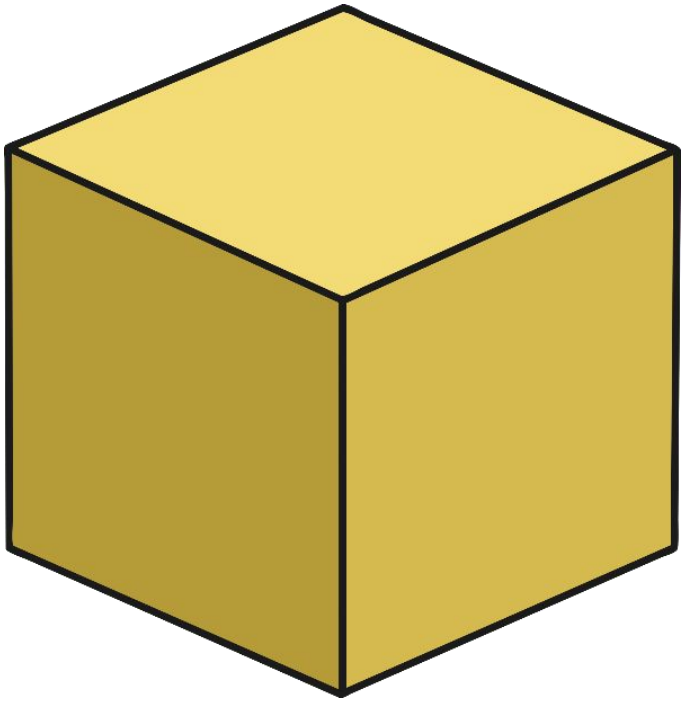
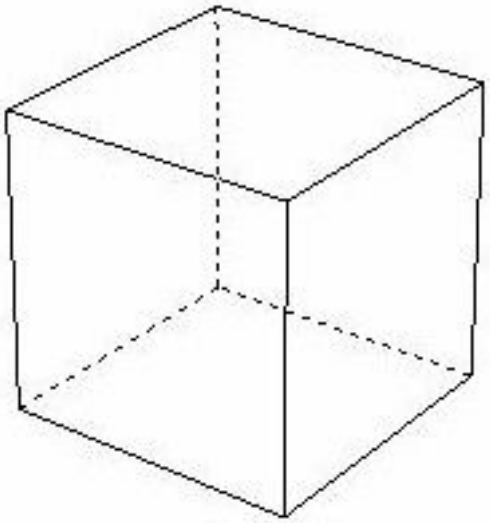
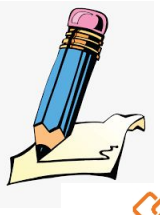
What is the shape?





Make sure you take some notes!



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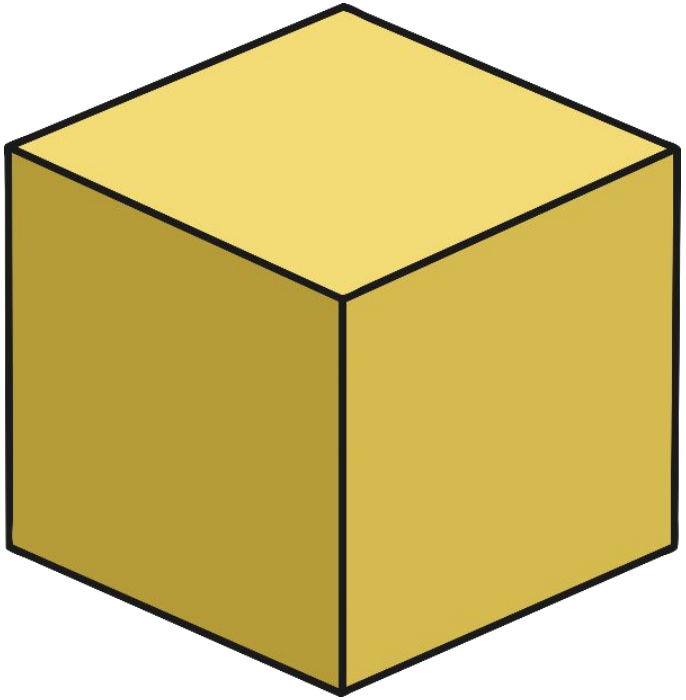
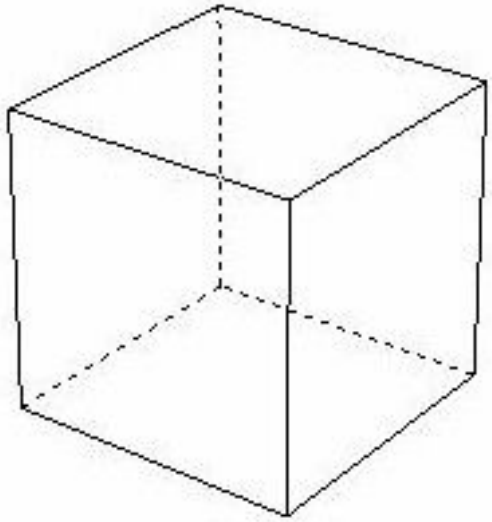
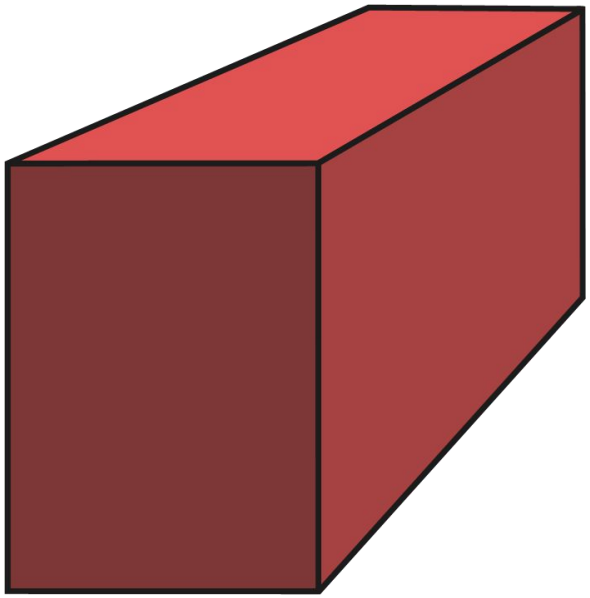
It's a cube.

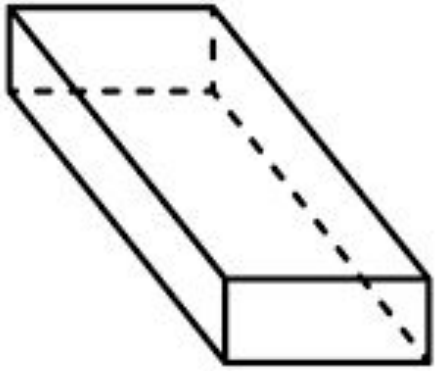




EMG Education

What is the shape?





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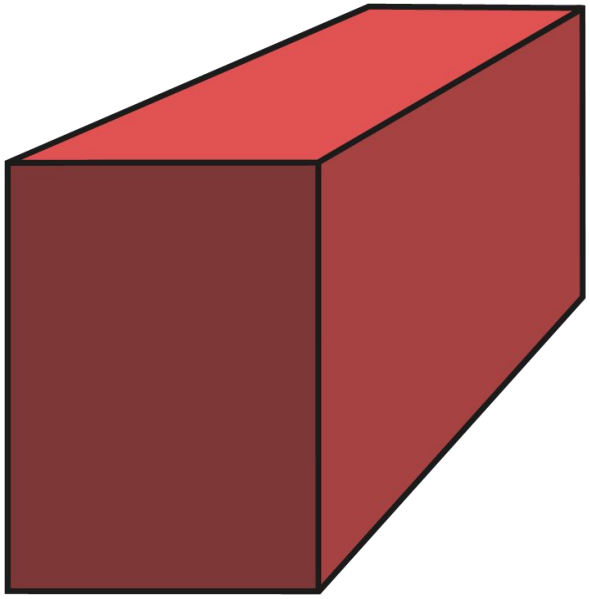
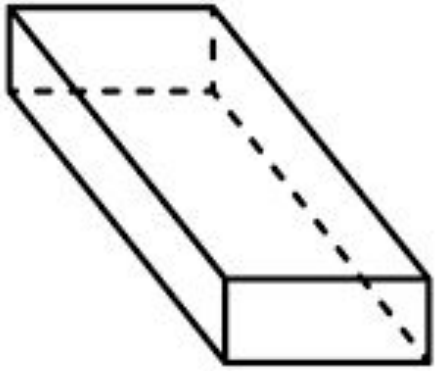
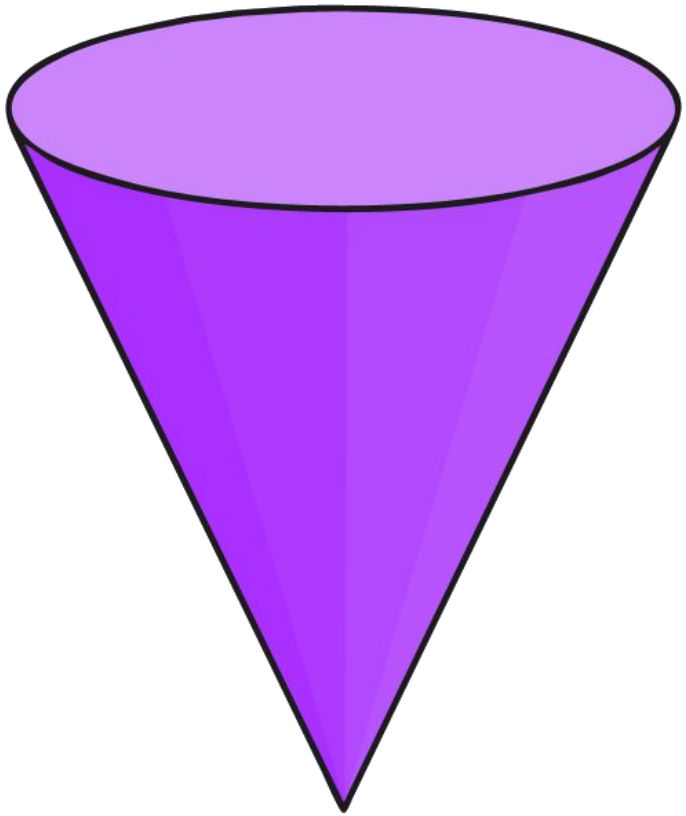
It's a cuboid.





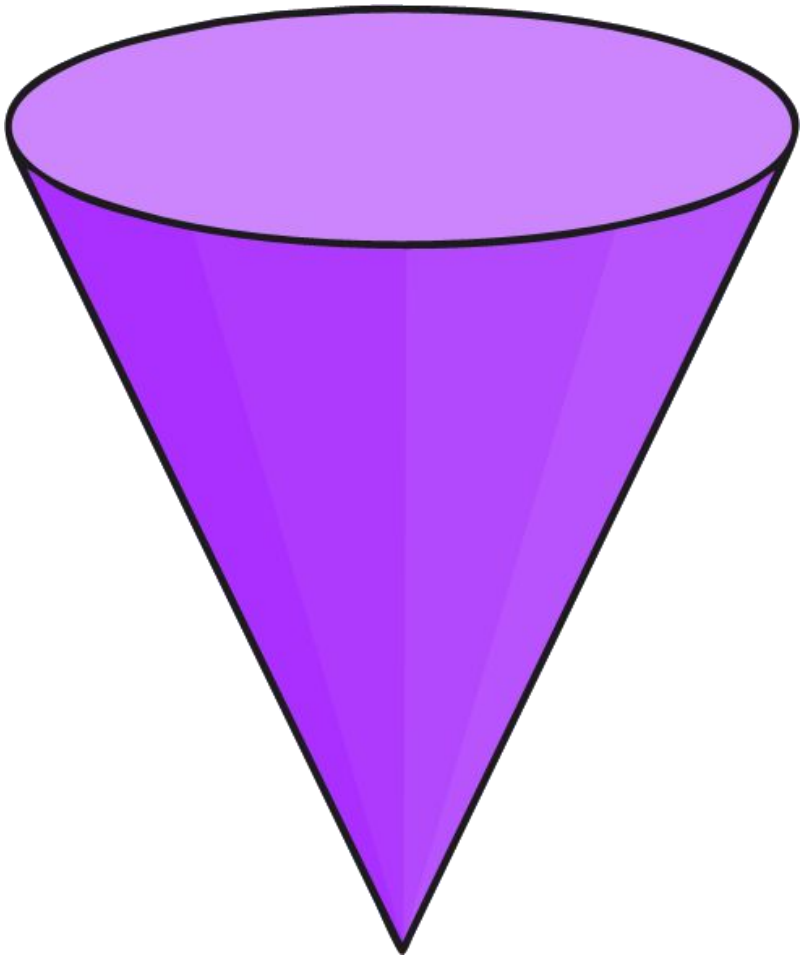
EMG Education

What is the shape?



EMG Education

It's a cone.



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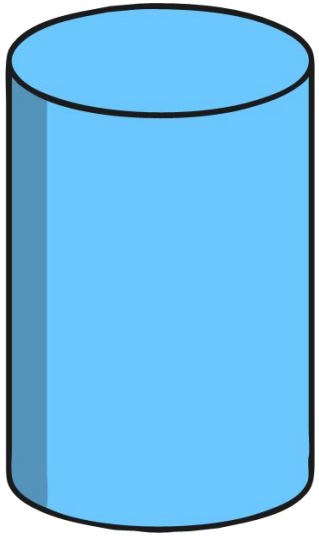
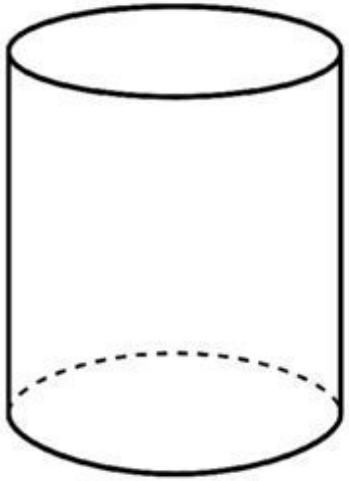
What is the shape?





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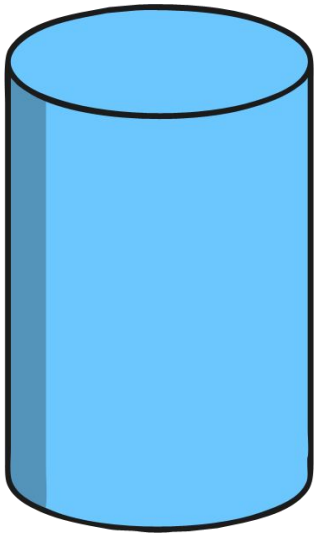
It's a cylinder.



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What is the shape?

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It's a sphere.

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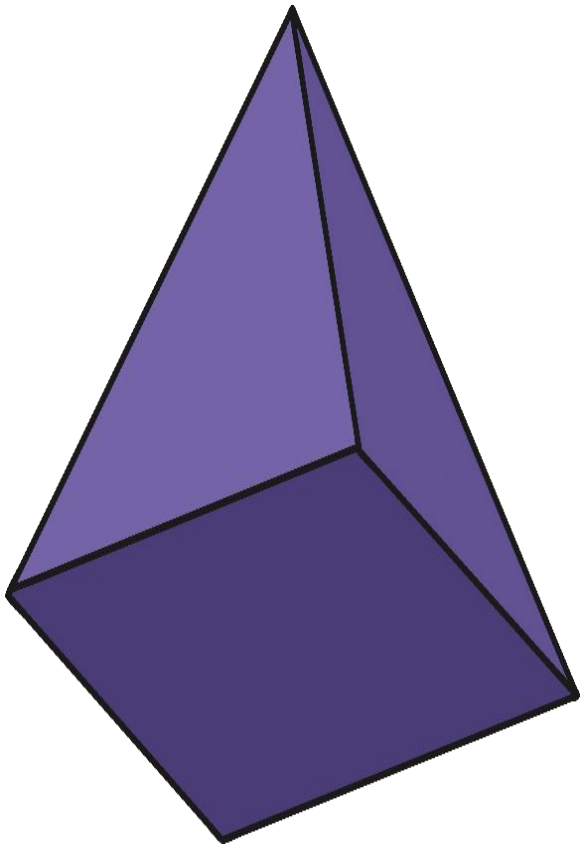
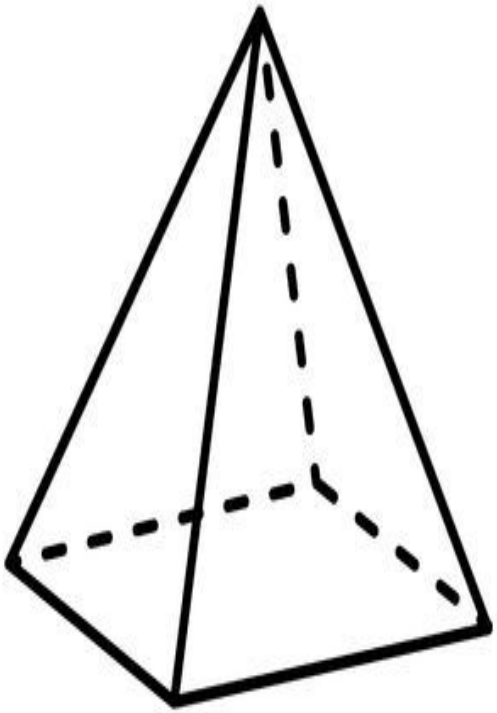
What is the shape?





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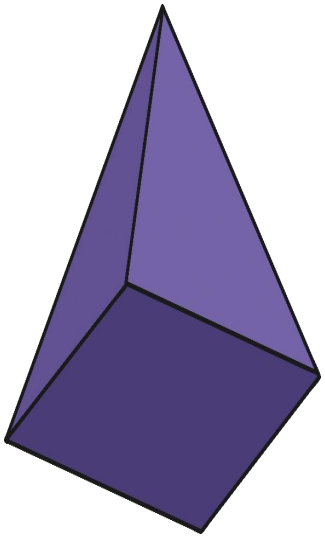
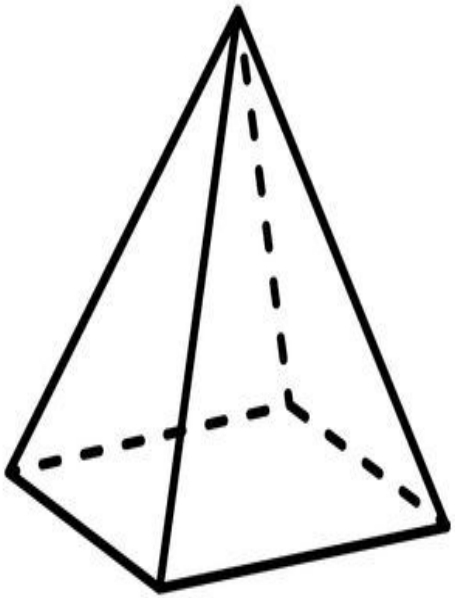
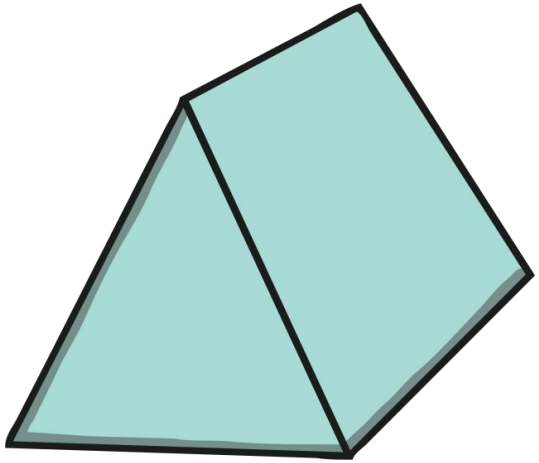
It's a square-based pyramid.

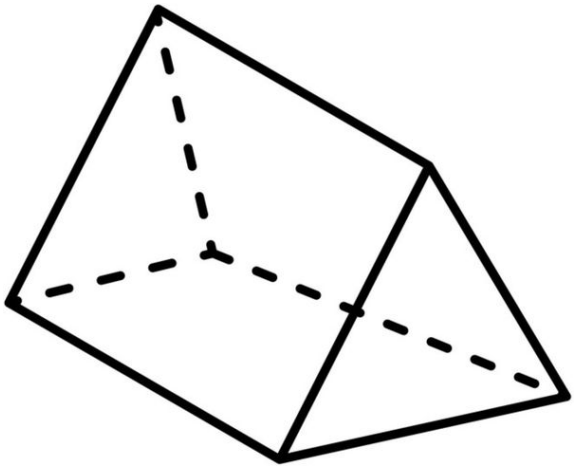




EMG Education

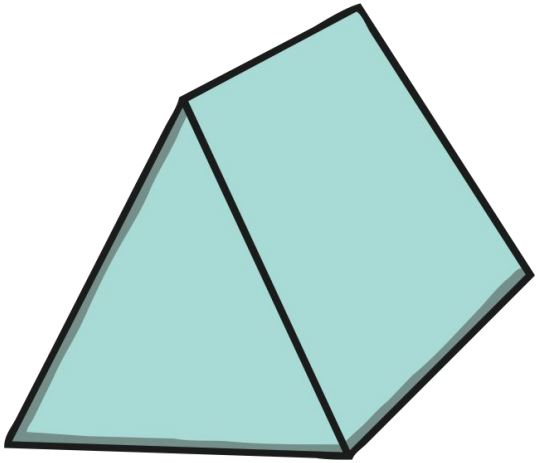
What is the shape?

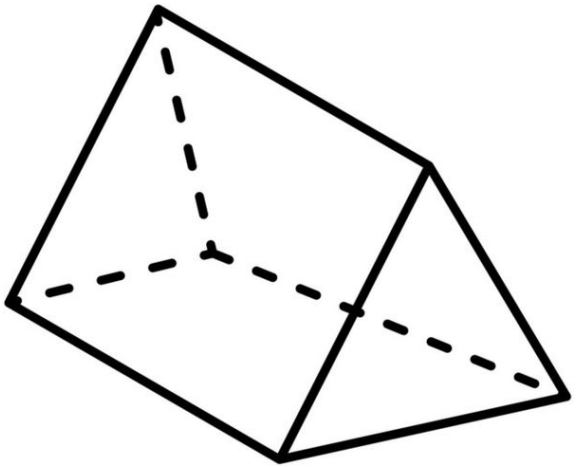




EMG Education

It's a triangular prism.





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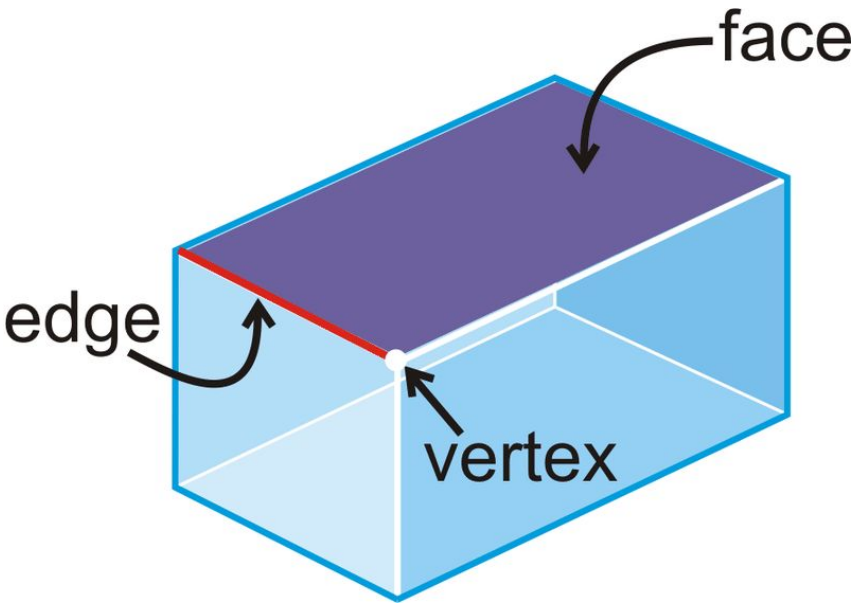
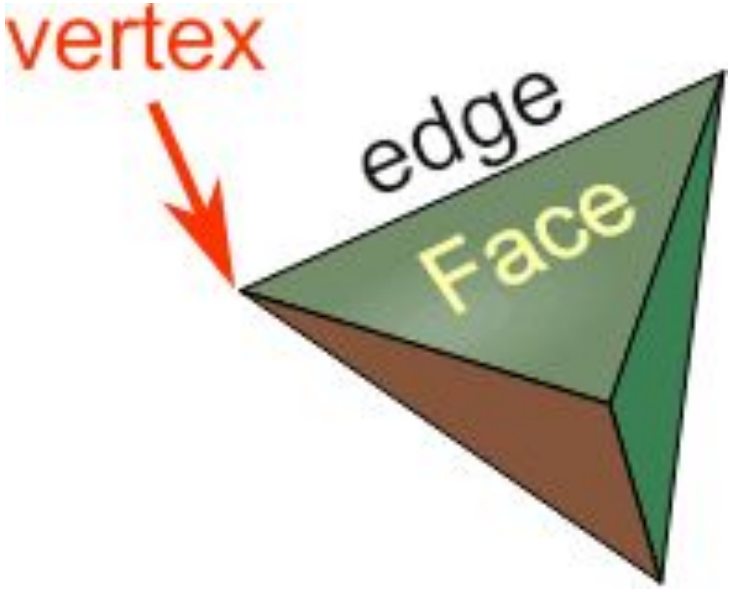
Properties of 3D shapes





Make sure you take some notes!

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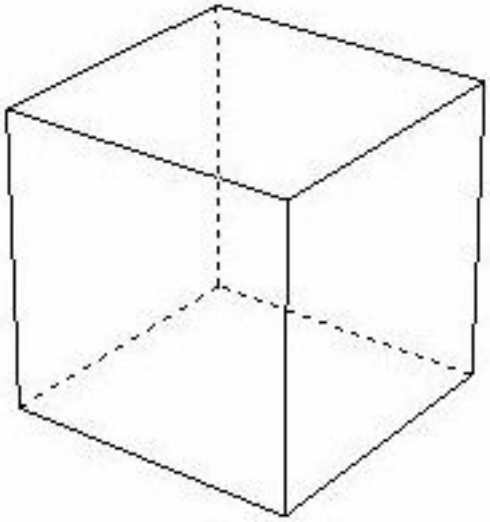
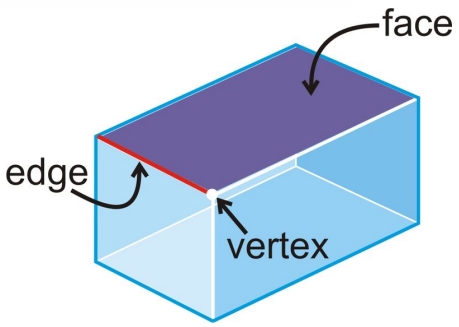
Properties of a Cube



How many faces?

How many edges?

How many vertices?



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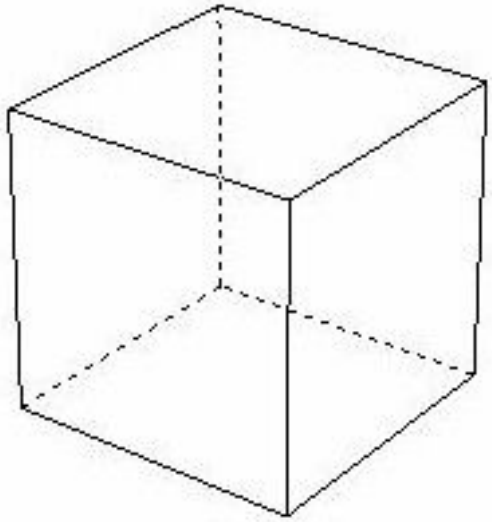
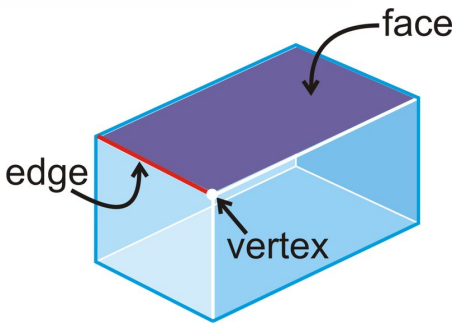
Properties of a Cube

Cubes have:



- **6 faces;**
- **12 edges;**
- **8 vertices;**



- edges that are all the same length.

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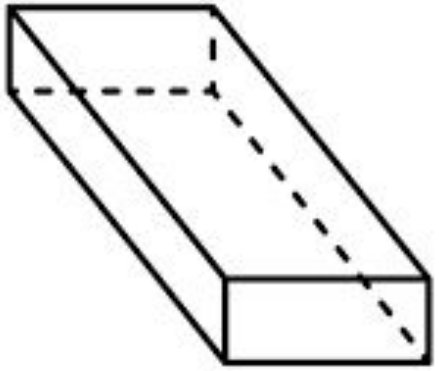
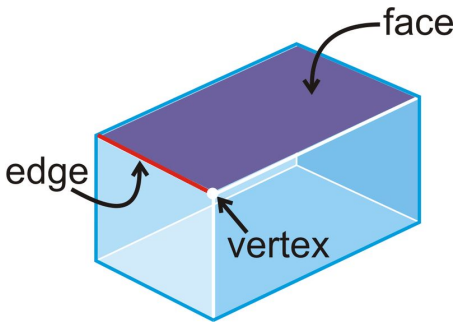
Properties of a Cuboid



How many faces?

How many edges?

How many vertices?



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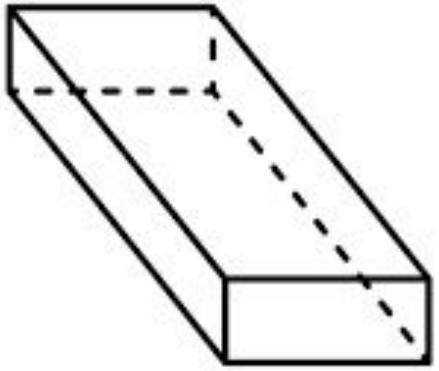
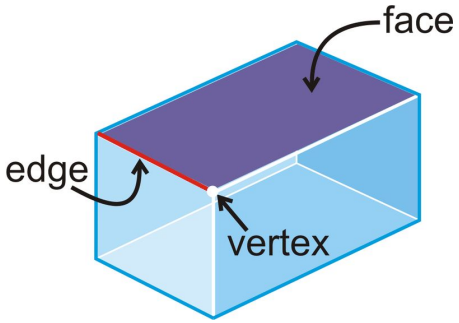
Properties of a Cuboid

Cuboids have:



- **6 faces;**
- **12 edges**
- **8 vertices;**



- edges that are **not** all the same length.

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Properties of a Sphere

How many faces?

How many edges?

How many vertices?

EMG Education

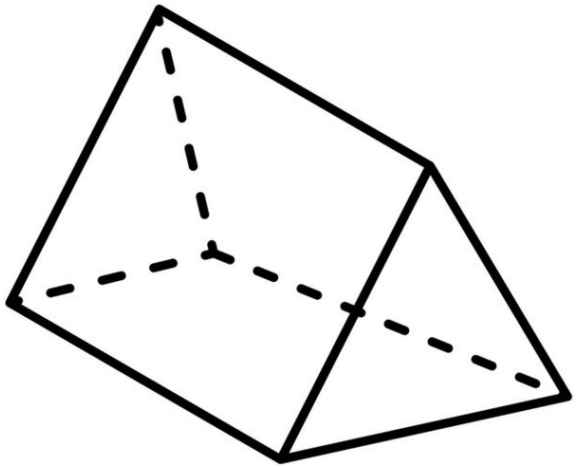
Properties of a Sphere

Spheres have:

- **1 curved face;**
- **0 edges;**
- **0 vertices**

EMG Education

Triangular Prism



How many faces?

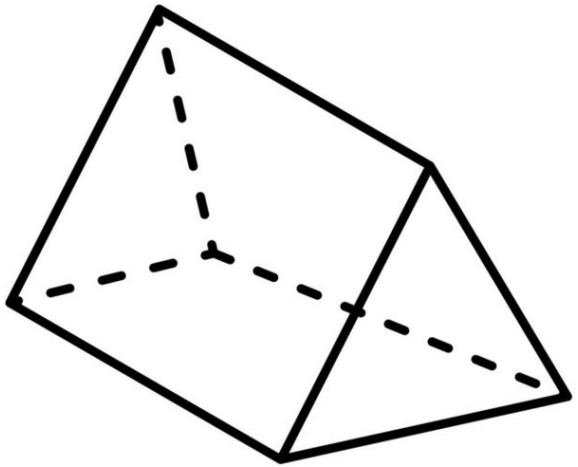
How many edges?

How many vertices?

EMG Education

Triangular Prism

Triangular prisms have:



- **5 faces**
- **6 vertices**
- **9 edges**

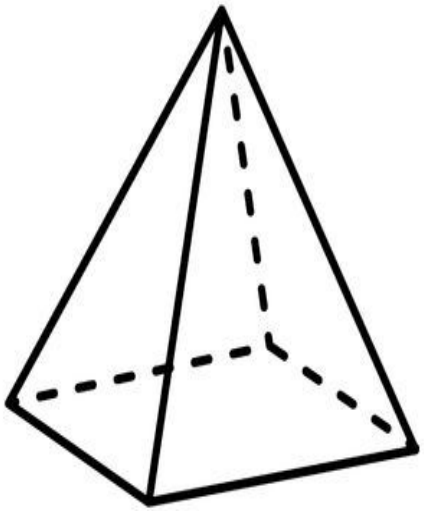
EMG Education

Square-Based Pyramid

How many faces?

How many edges?

How many vertices?



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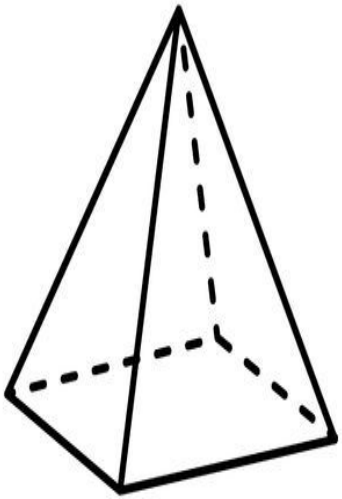
Square-Based Pyramid

Square-based pyramids have



- **5 faces**
- **5 vertices**
- **8 edges**

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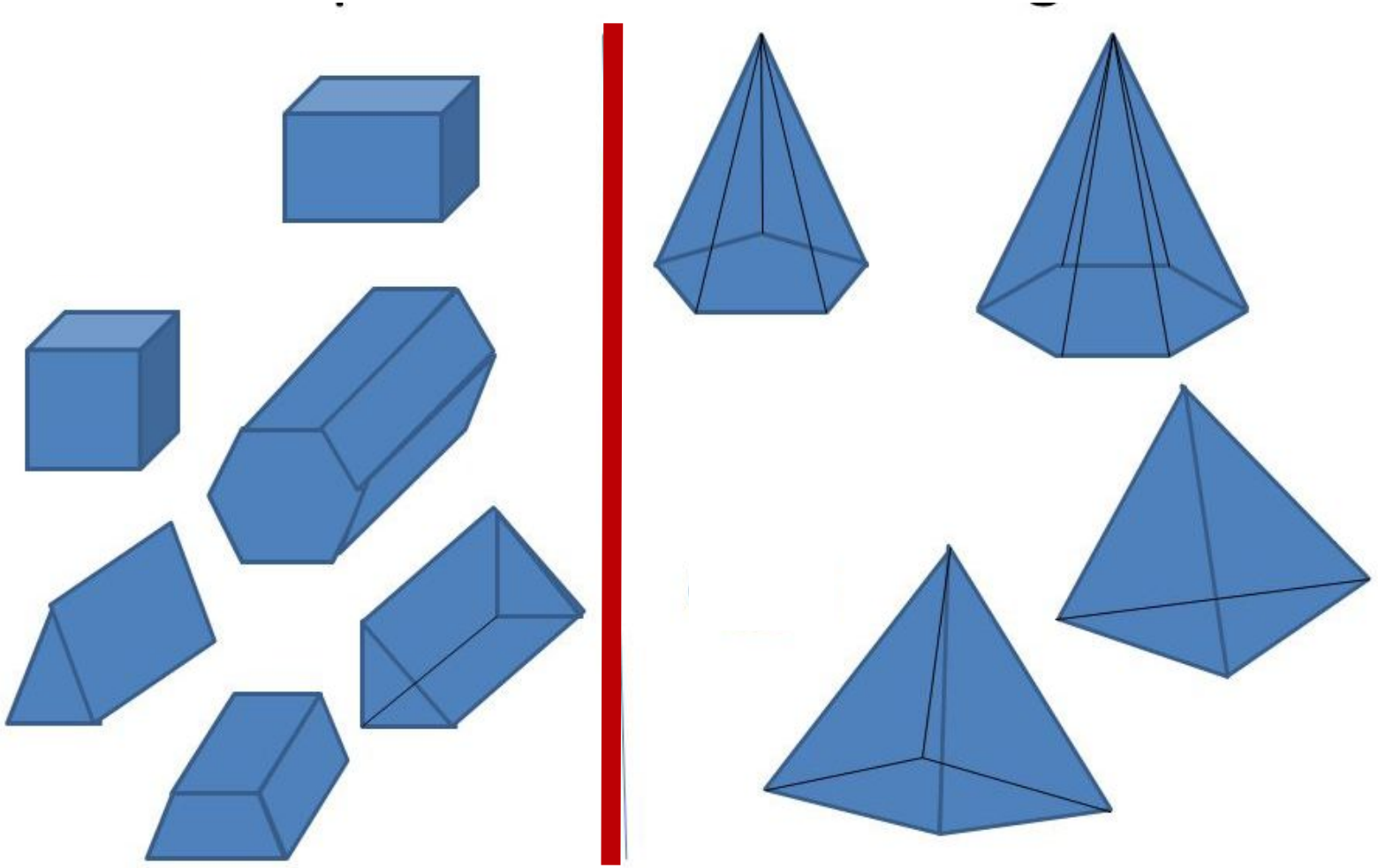
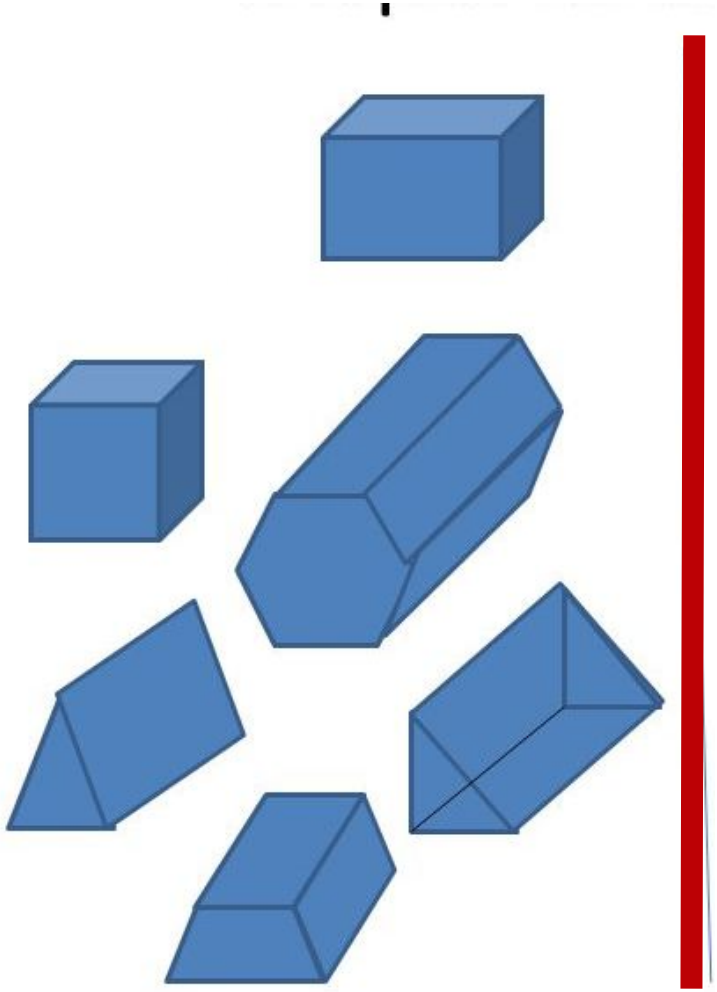
What is the difference between the shapes on the left and the shapes on the right?



EMG Education

What is the difference between the shapes on the left and the shapes on the right?



The shapes on the left are all **prisms**.

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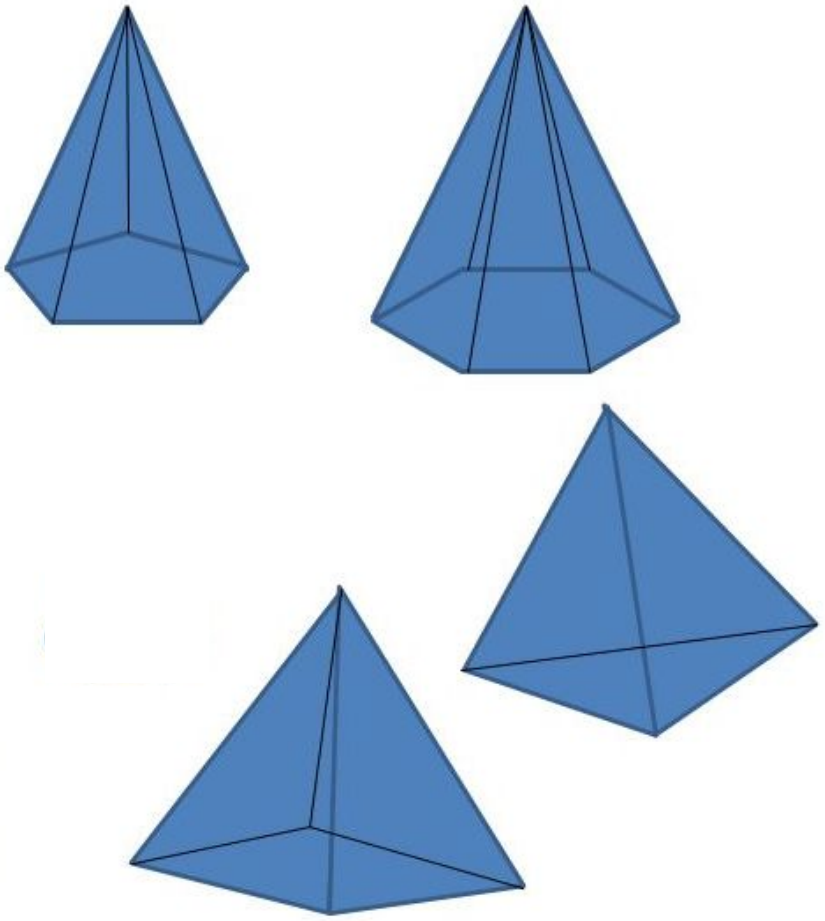
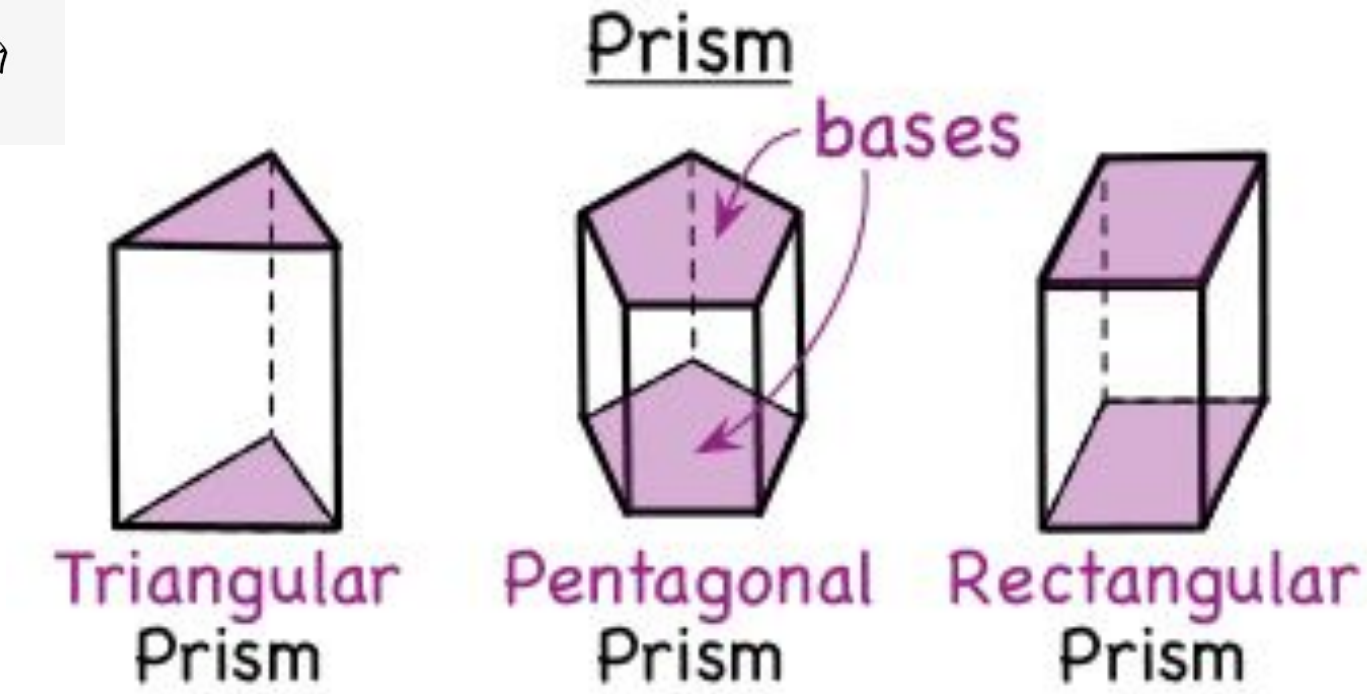
The shapes on the right are all **pyramids**.

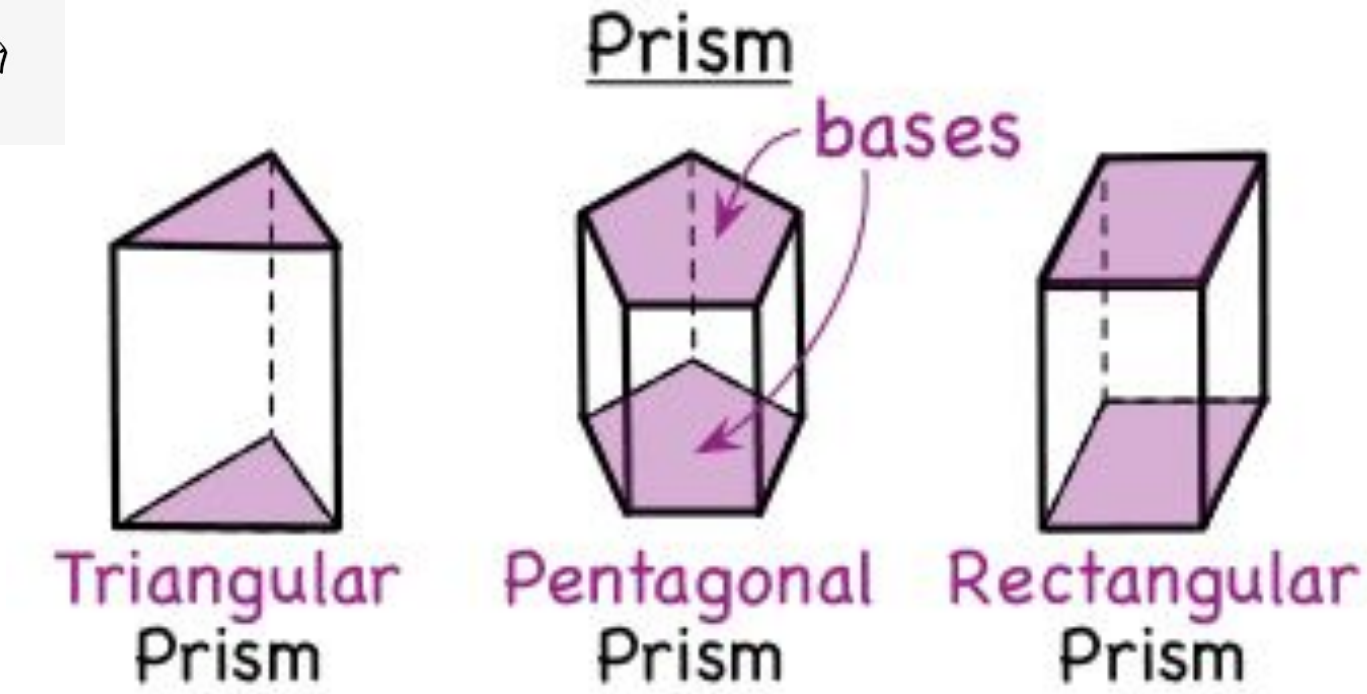


EMG Education



Prisms have **two bases** that are the same size and shape.

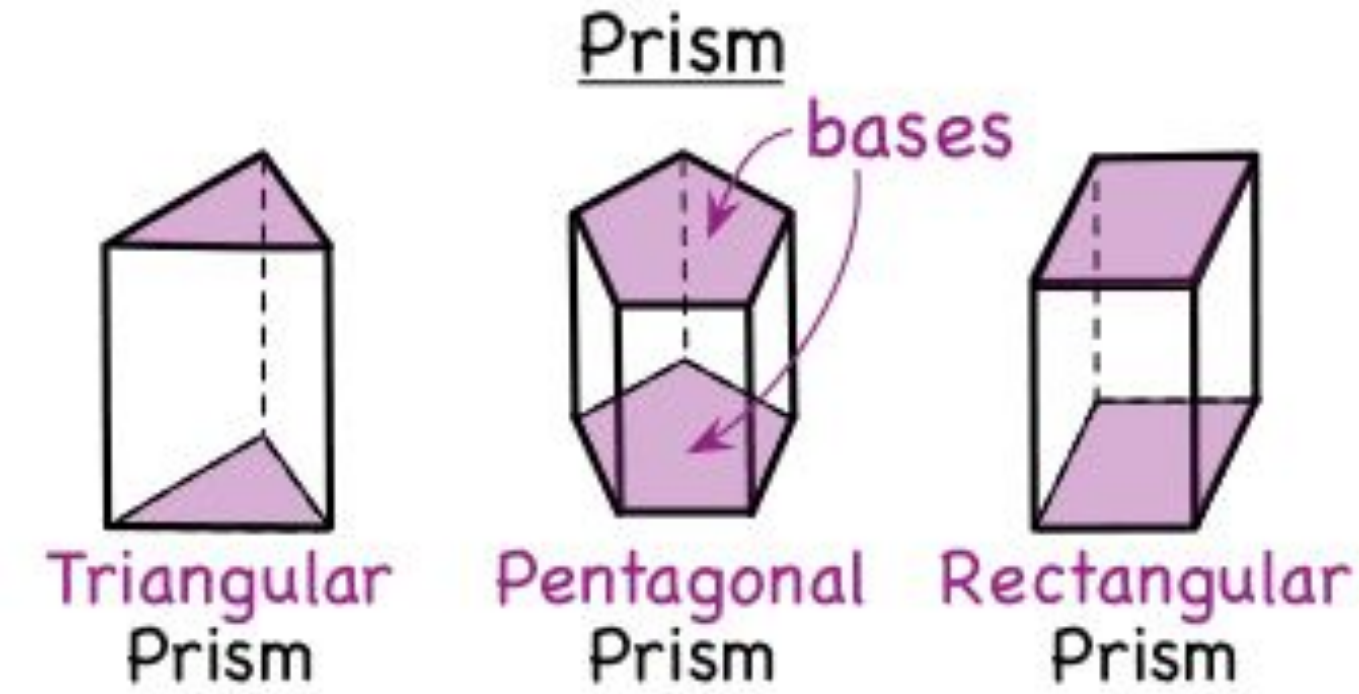
EMG Education



Prisms have **two bases** that are the same size and shape.

All the other faces are rectangles.

EMG Education



Prisms have **two bases** that are the same size and shape.

All the other faces are rectangles.

All faces are flat.

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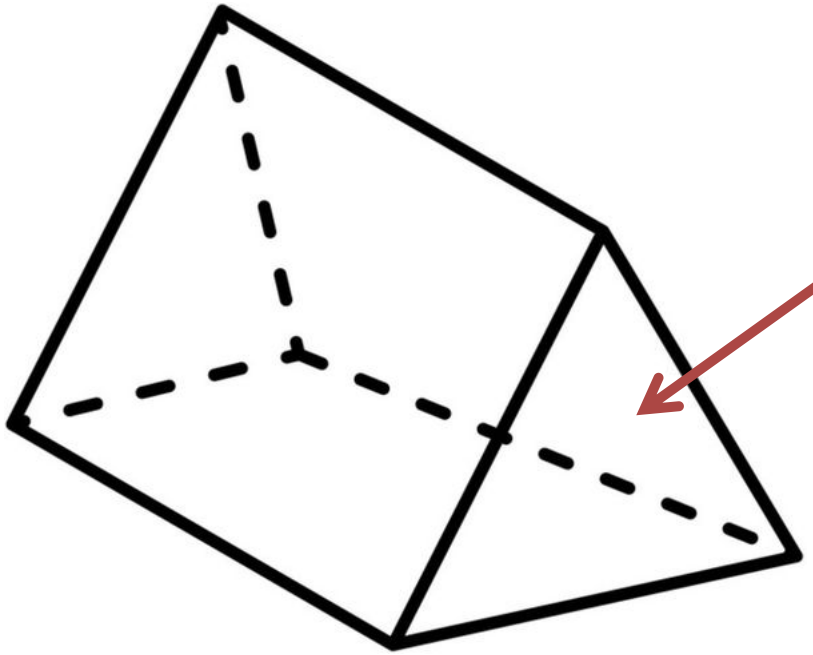
This is called a **triangular prism** because of the shape of the bases.



triangular

(it's a triangle)

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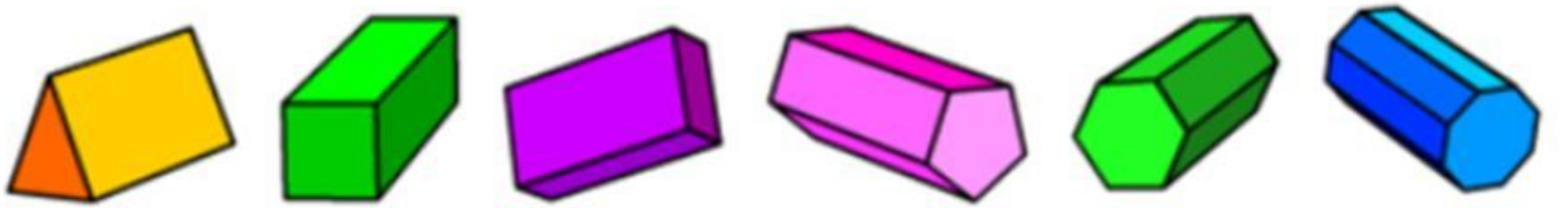
Prisms

- Prisms have two parallel bases.



triangular prism | square prism | rectangular prism | pentagonal prism | hexagonal prism | octagonal prism

We use the **base** to name the shape.

Make sure you take some notes!

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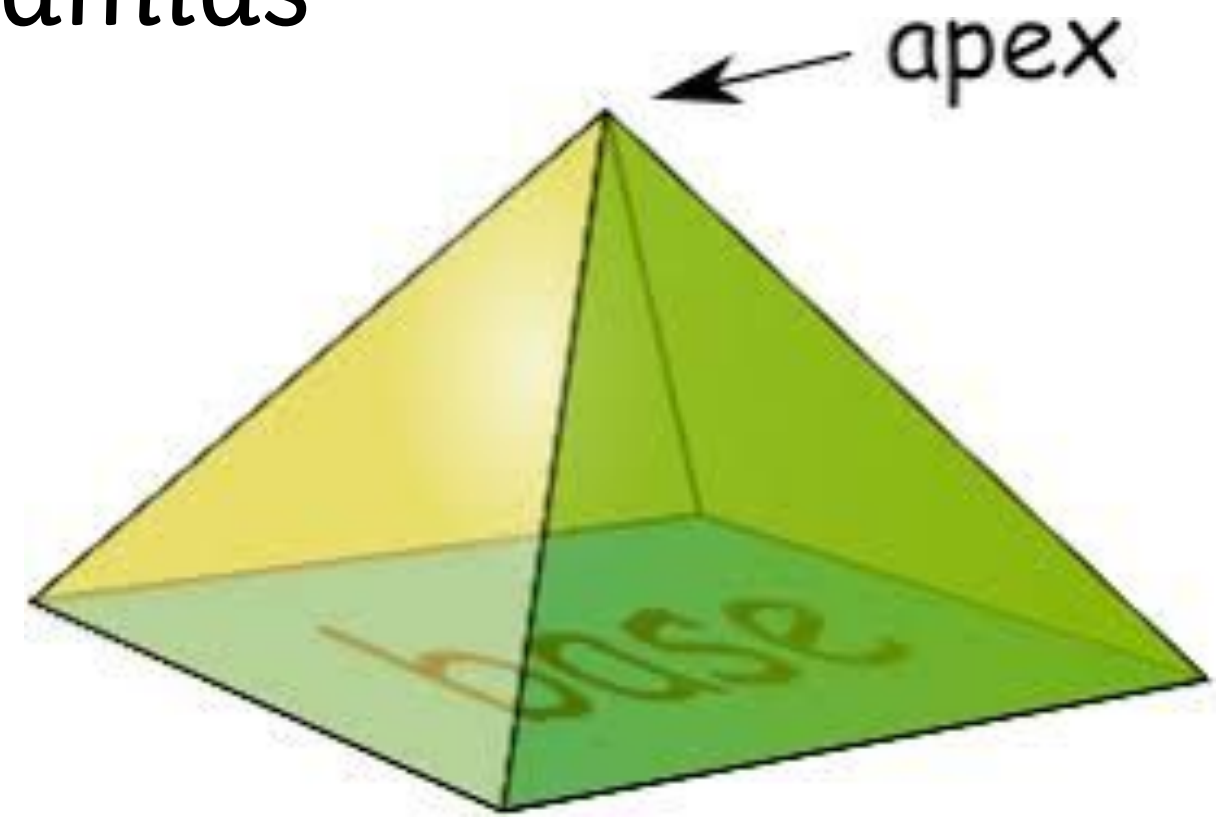
Pyramids



Pyramids have an **apex** at the top.

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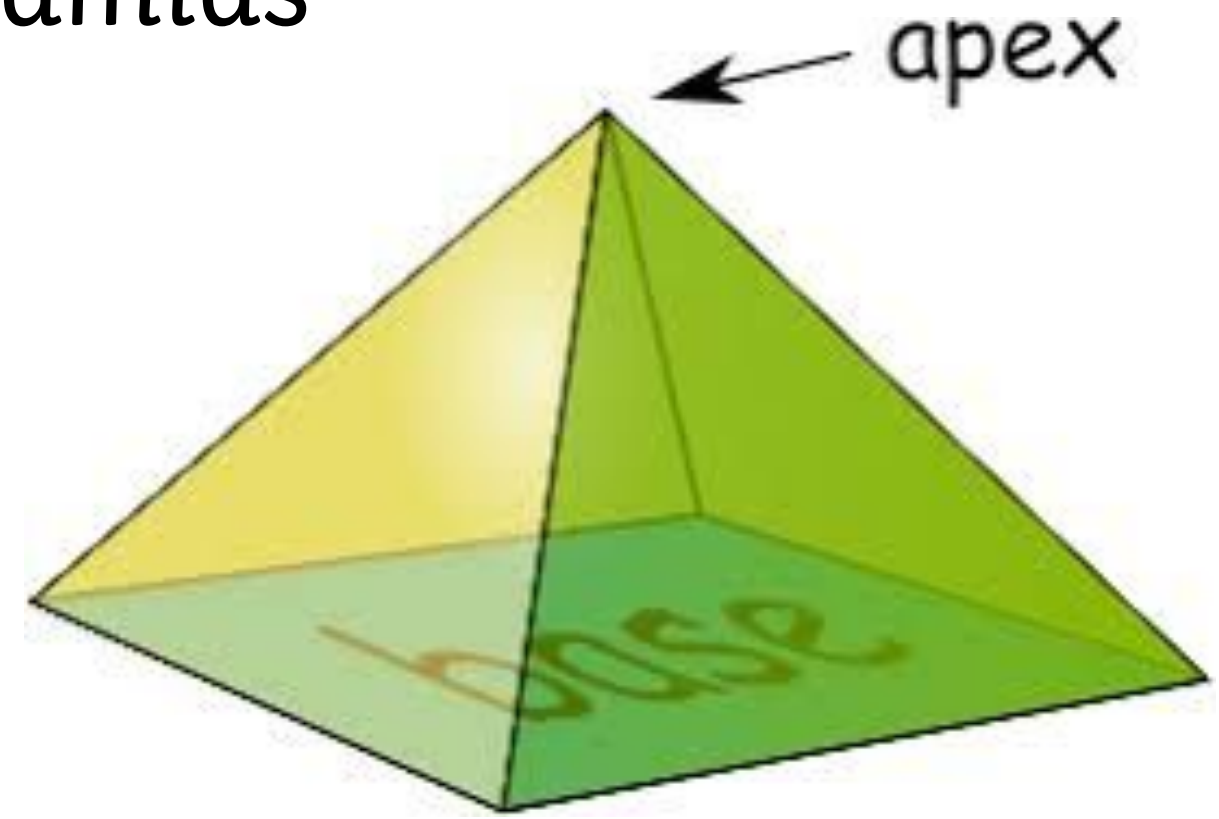
Pyramids



Pyramids have an **apex** at the top.

And a **base** at the bottom.

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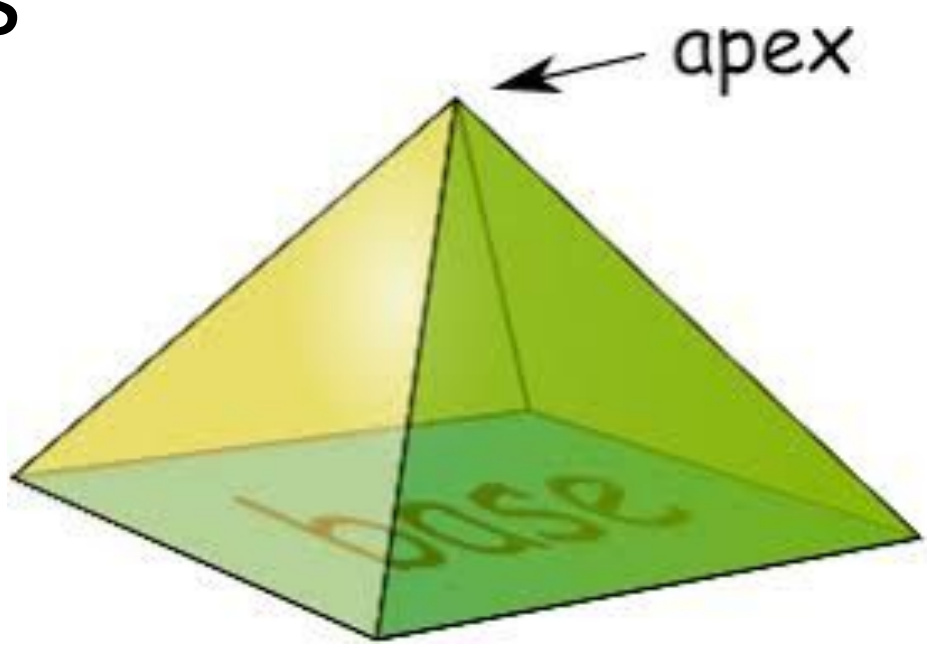
Pyramids



Pyramids have an **apex** at the top.

And a **base** at the bottom.

All the other faces are triangles.

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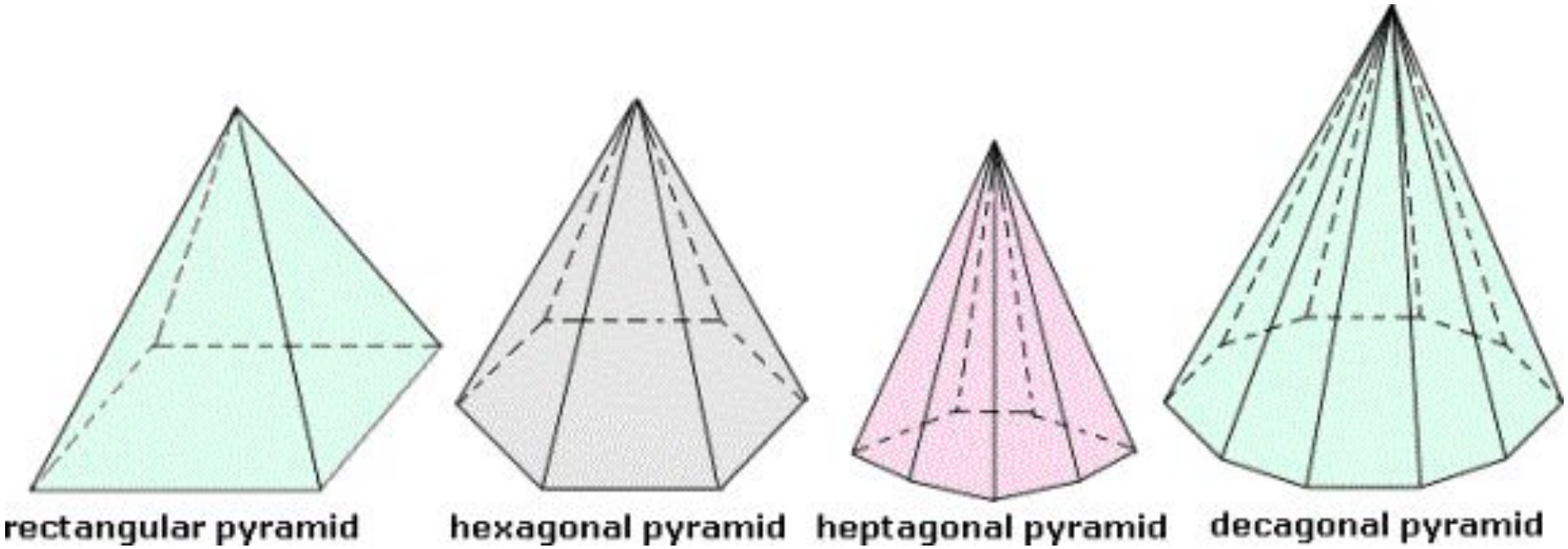
Pyramids are named after their **bases**. Look at the bases and then look at the name.



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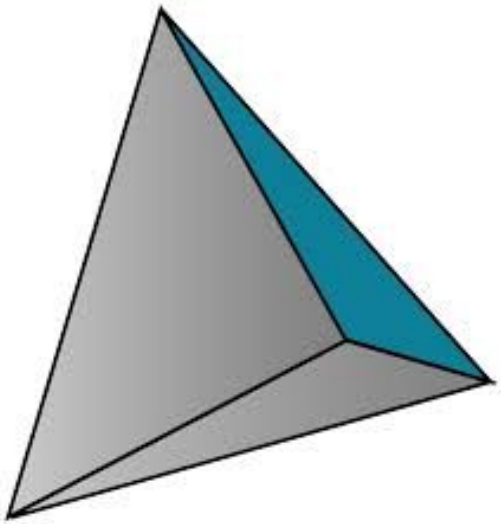
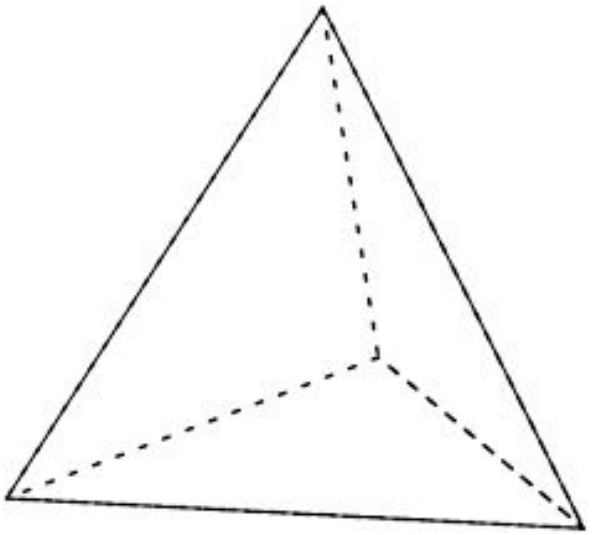
All the faces are the same size and shape.

All faces are equilateral triangles.





This one has a special name.

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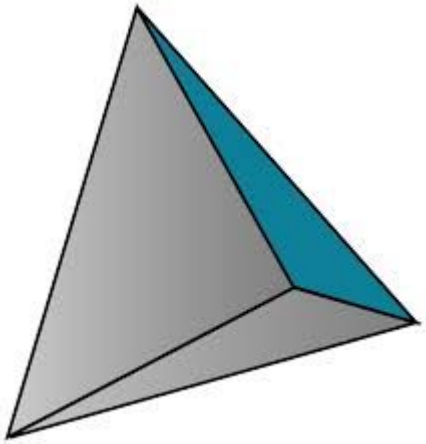
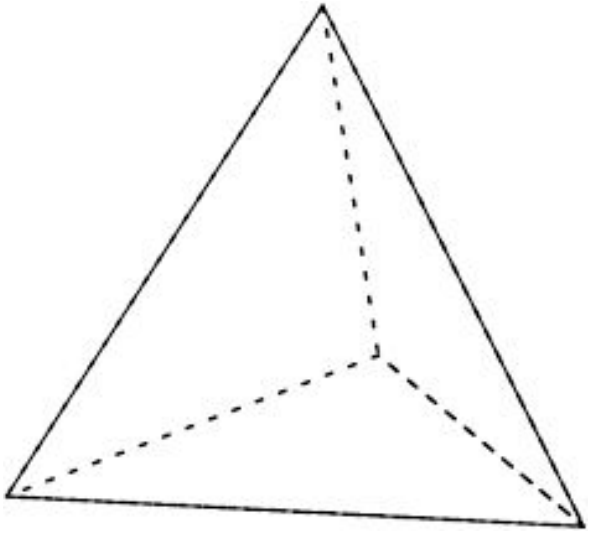




This one has a special name.

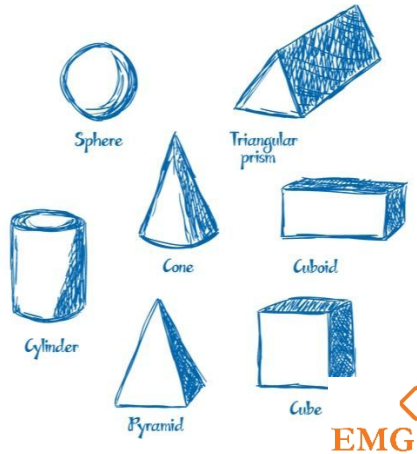
It's a tetrahedron.

EMG Education

Today we have studied:

3D shapes

3D shape properties



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