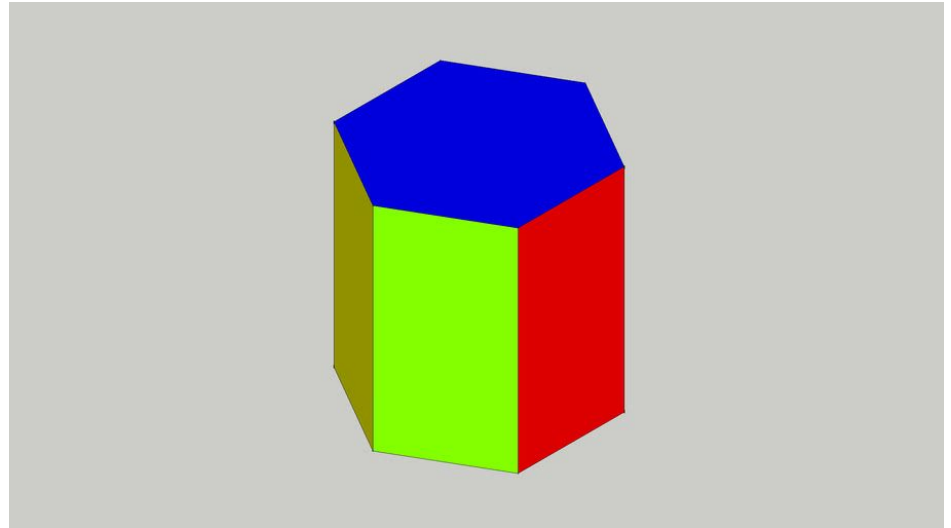
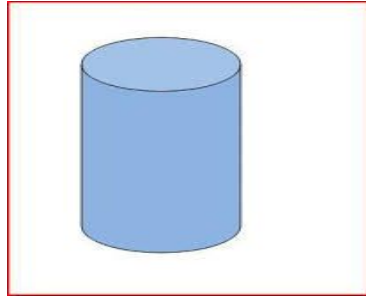
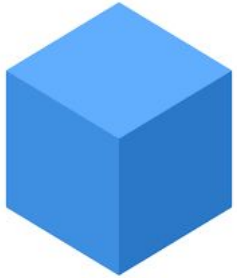
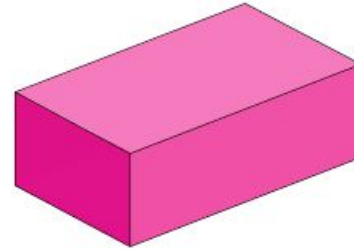
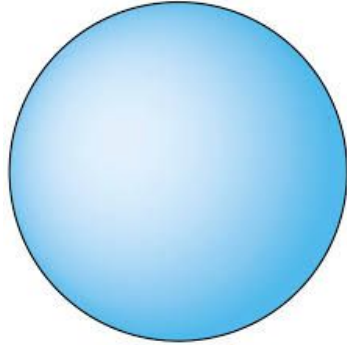
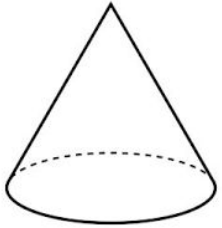


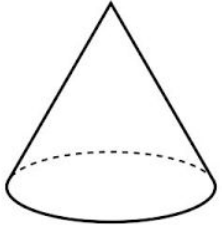
Year 5 Summer 2 Week 8
Lesson 3

Can I classify different 3D
shapes?

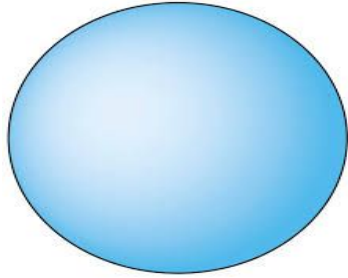
Fast Five – Name these 3D shapes.



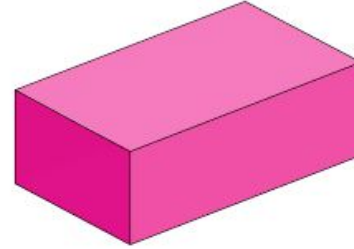
Fast Five – Answers.



Cone



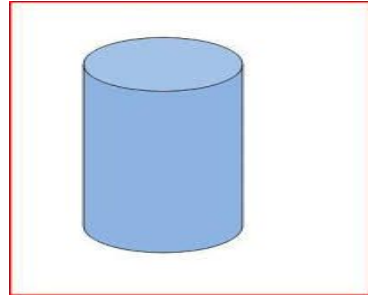
Sphere



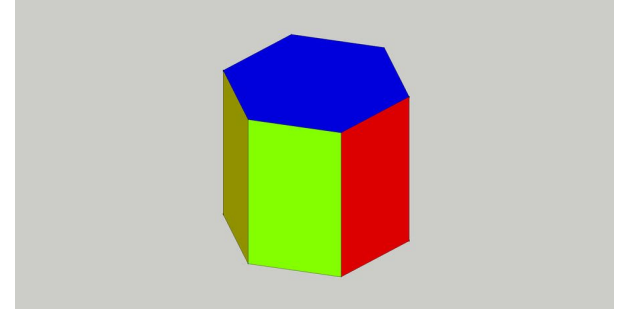
Cuboid



Cuboid



Cylinder



Hexagonal prism

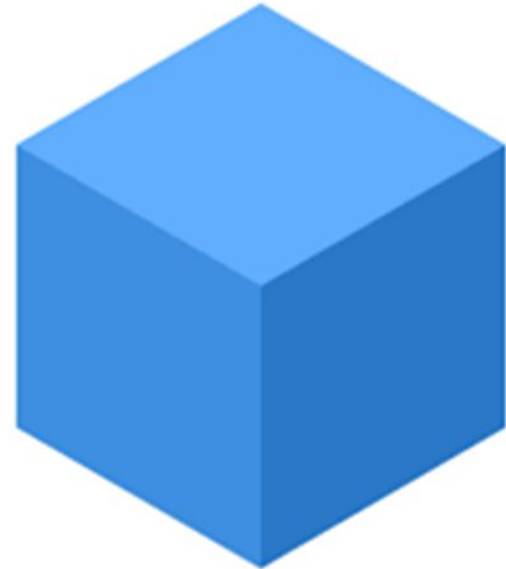
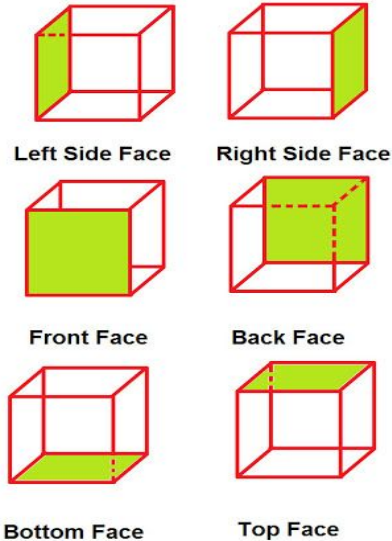
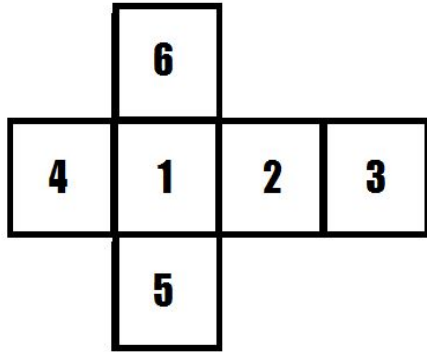
Can I classify different 3D shapes?

- In order to classify a 3D shape, you need to examine what properties it has.
 1. Number and shape of its faces.
 2. Number of edges.
 3. Number of vertices

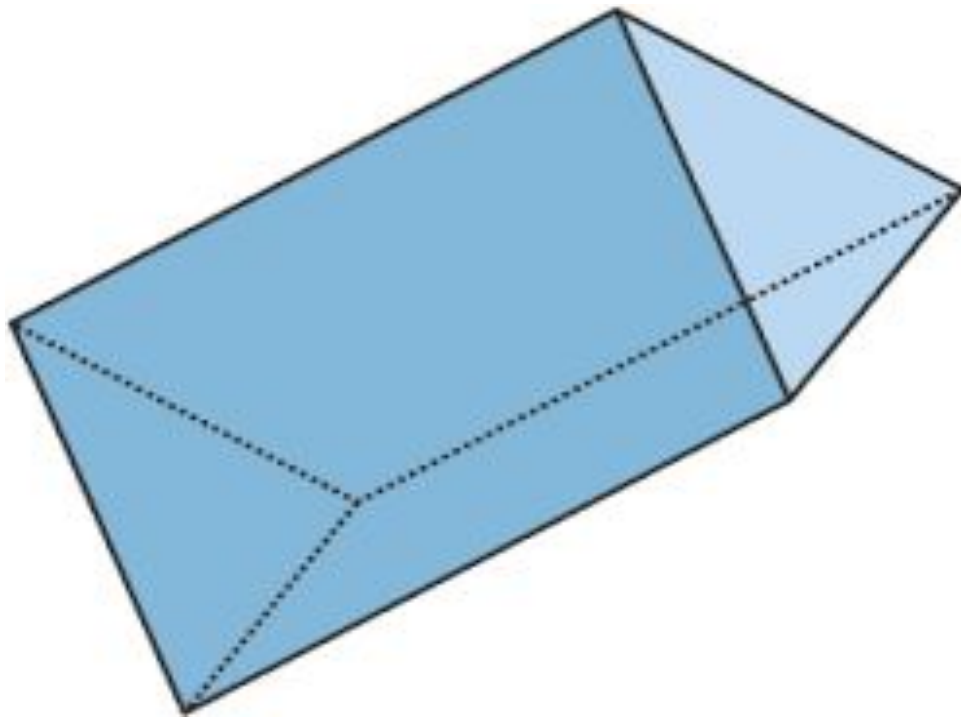
Properties of 3D shapes - Faces

A cube has 6 square faces.

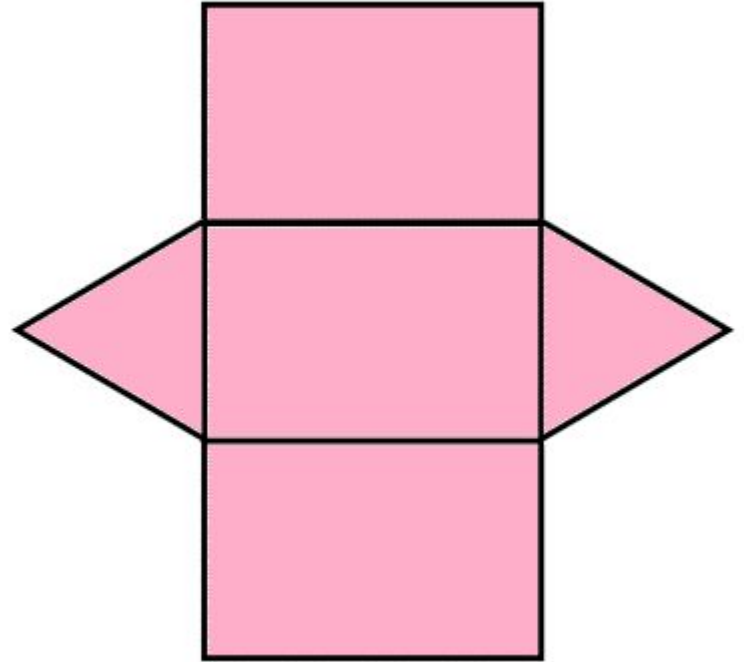
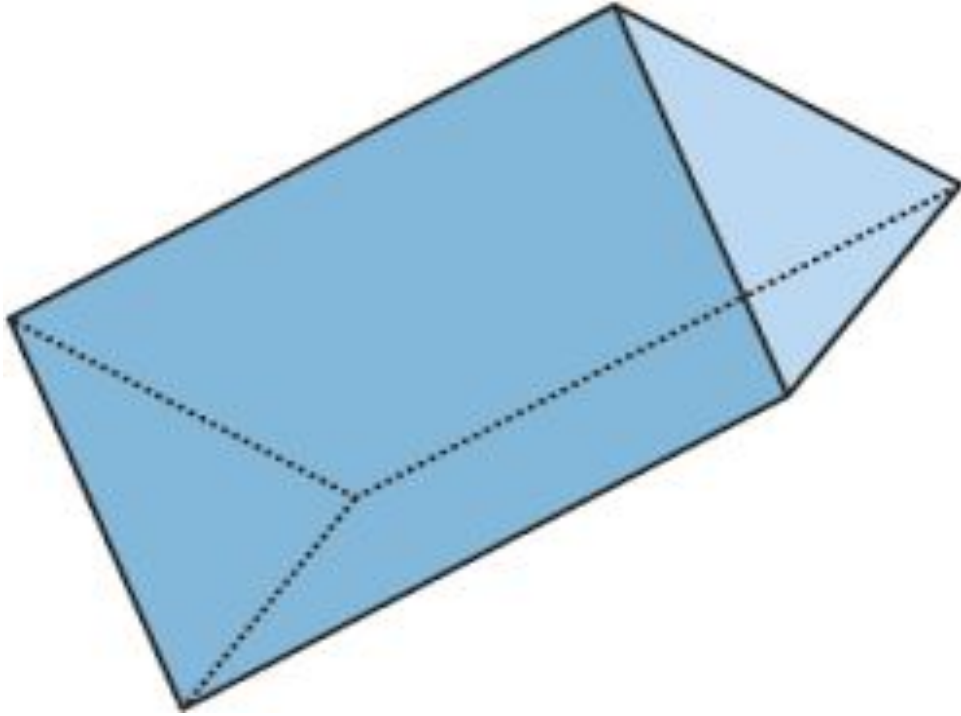
Cube



Triangular prism. How many faces have I got?



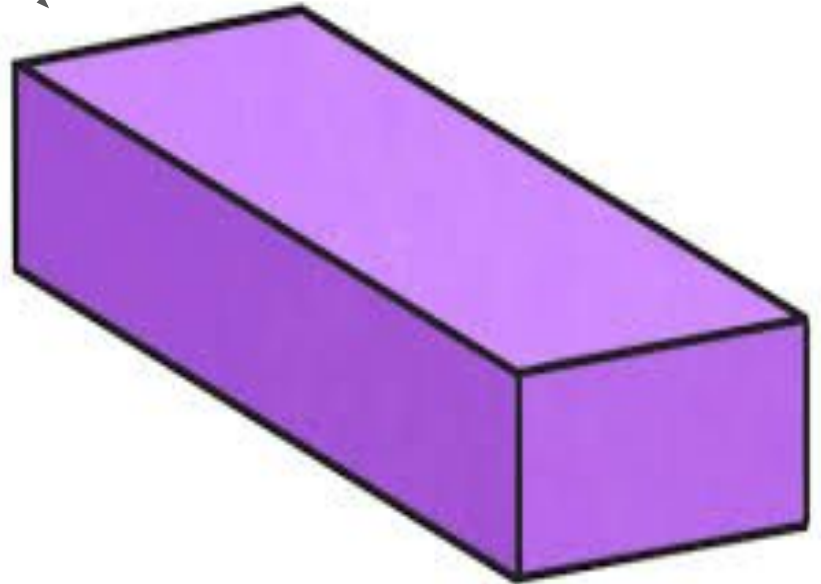
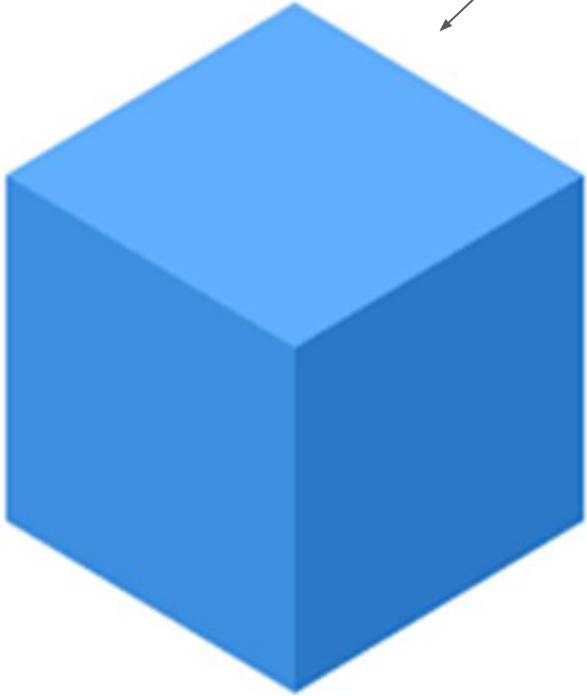
I have 5 faces. 2 triangles and 3 rectangles.



What shapes have 6 faces?

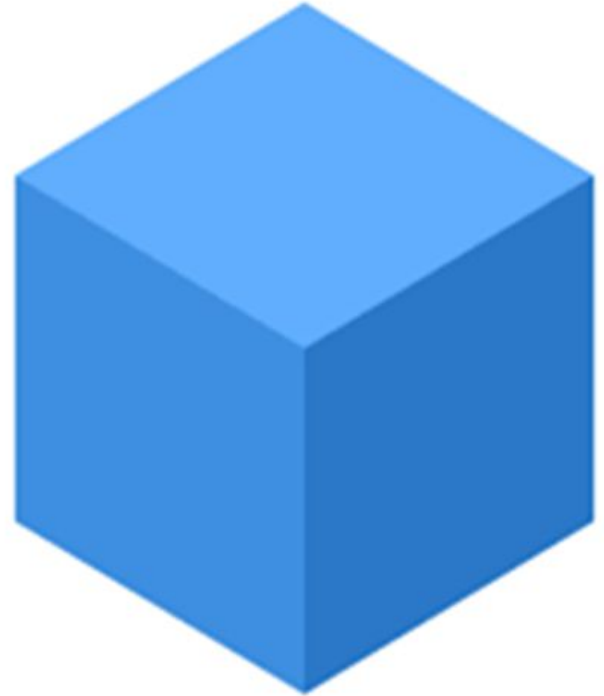
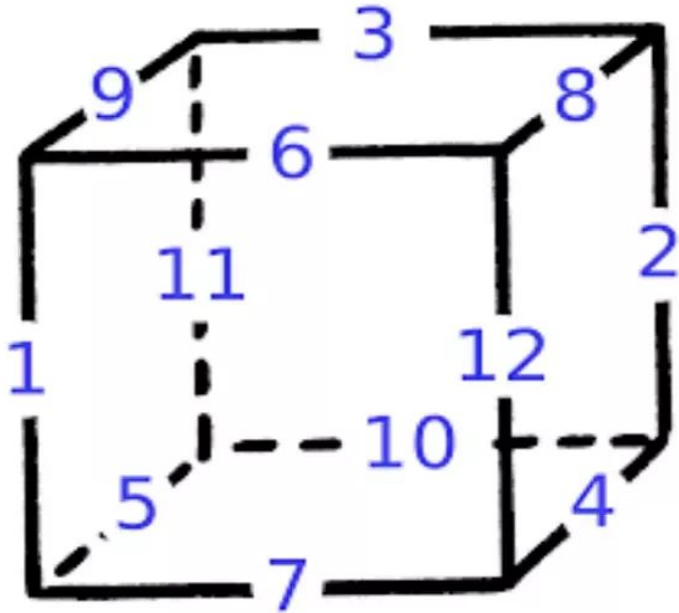
What shapes have 6 faces

Square and cuboid

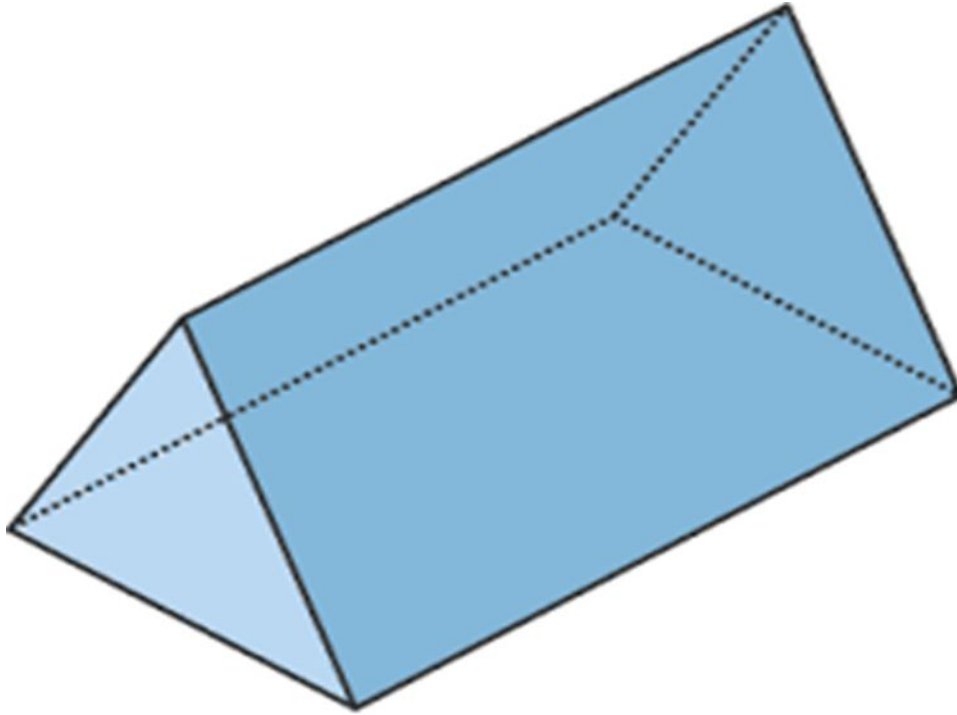


Properties of a 3D shape - edges

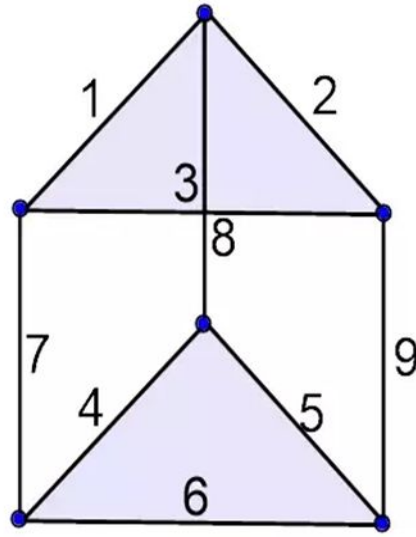
A cube has 12 edges.



Triangular prism. How many edges have I got?

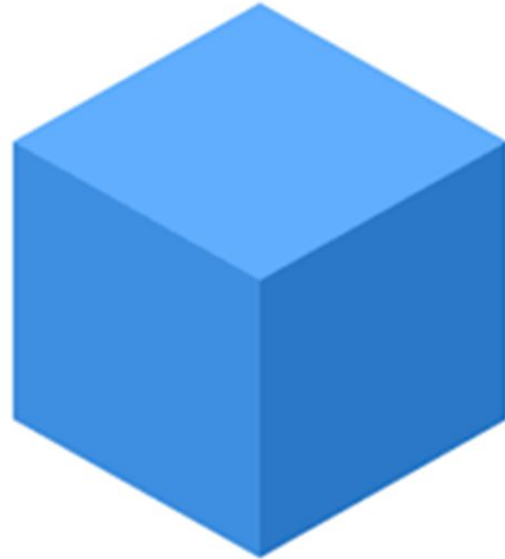
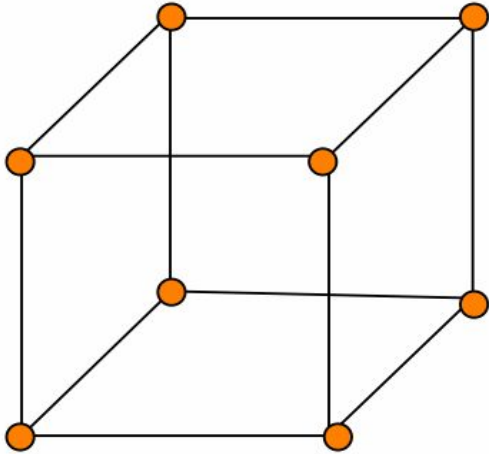


I have 9 edges.

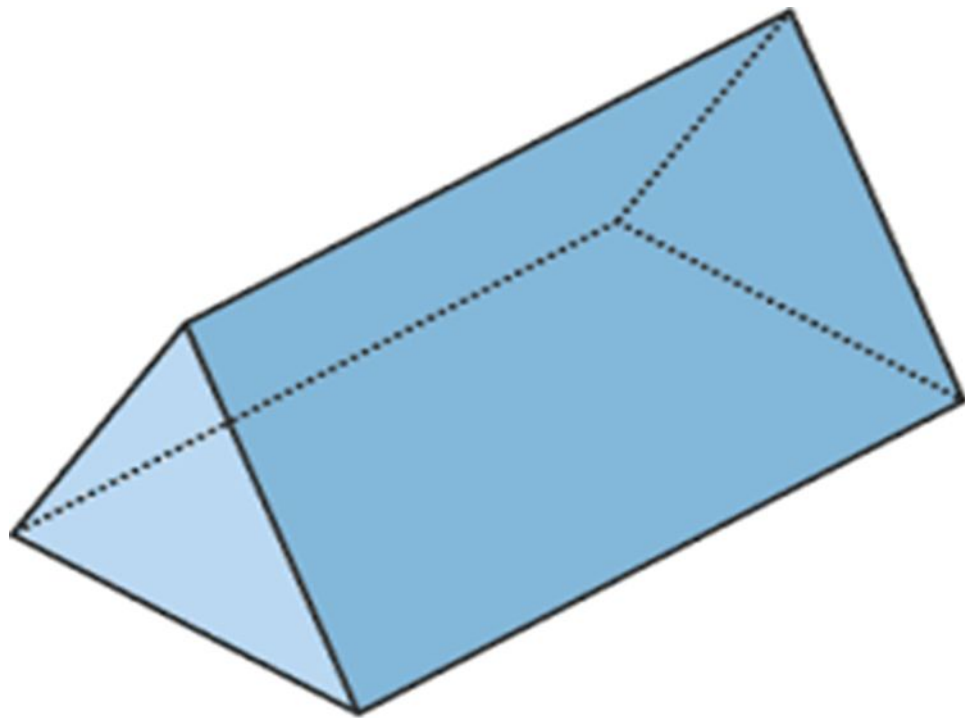


Properties of a 3D shape - vertices

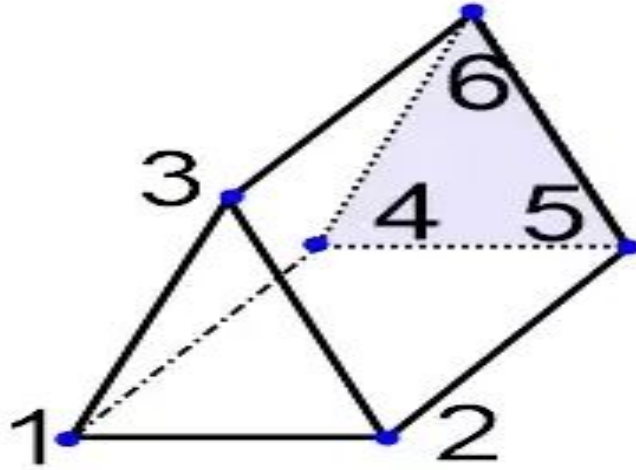
Vertices – this is the number of corners it has. A cube has 8 vertices (corners).



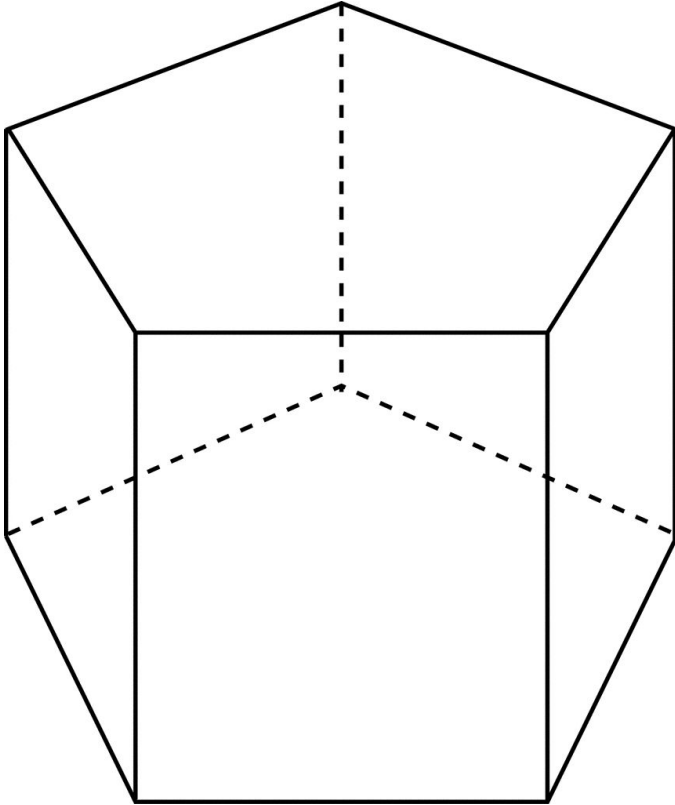
How many vertices have I got?



I have 6 vertices.



Describe this shape.



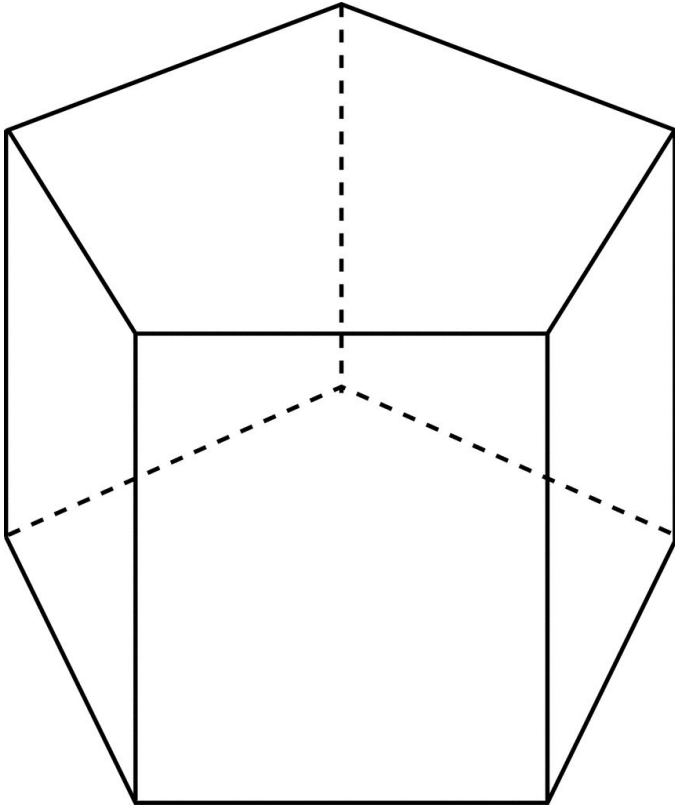
Shapes of faces =

Number of faces =

Number of edges =

Number of vertices =

Describe this shape.



Shapes of faces =
Pentagon, rectangles

Number of faces = 7

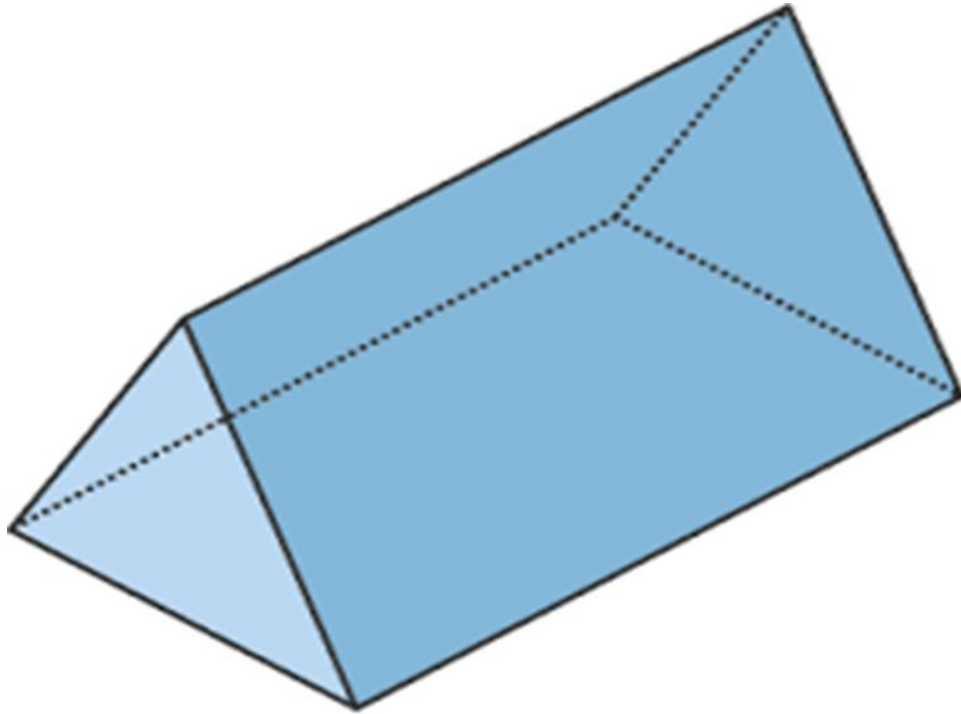
Number of edges = 15

Number of vertices = 10

What 2D shape am I?

- I have 5 faces (2 are triangles and 3 are rectangles).
- I have 9 edges.
- I have 6 vertices.

I am a triangular prism.



- I have 5 faces (2 are triangles and 3 are rectangles).
- I have 9 edges.
- I have 6 vertices.