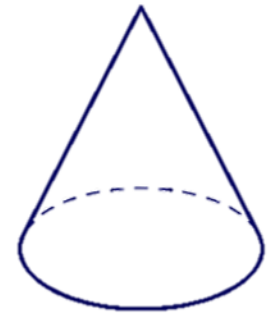
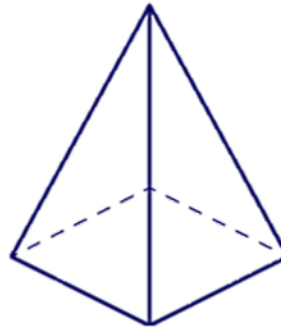
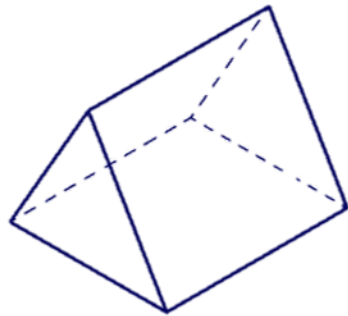
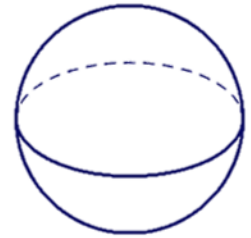
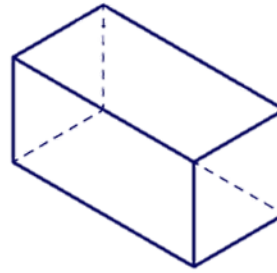
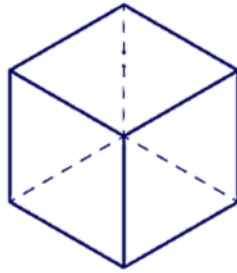
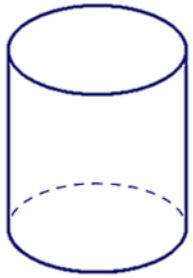


Introduction

Match the name to the 3D shape.



sphere

cylinder

cone

cube

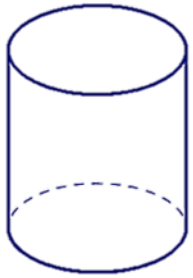
cuboid

triangular prism

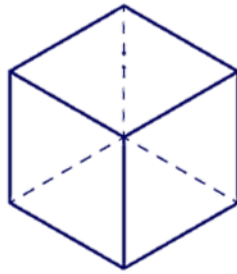
square based pyramid

Introduction

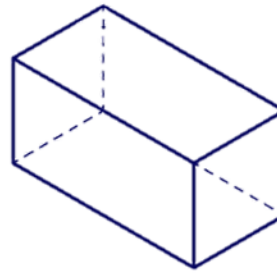
Match the name to the 3D shape.



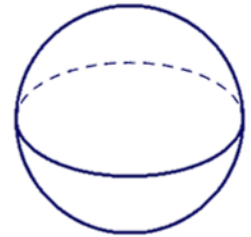
cylinder



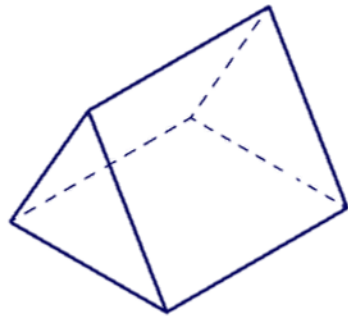
cube



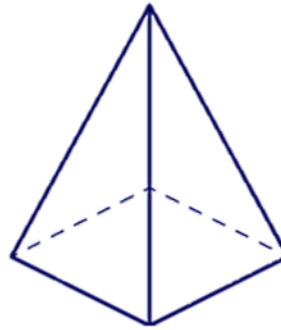
cuboid



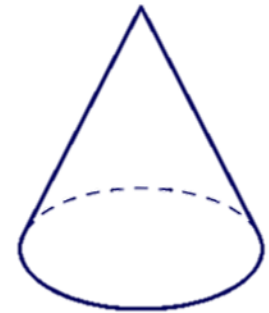
sphere



triangular prism



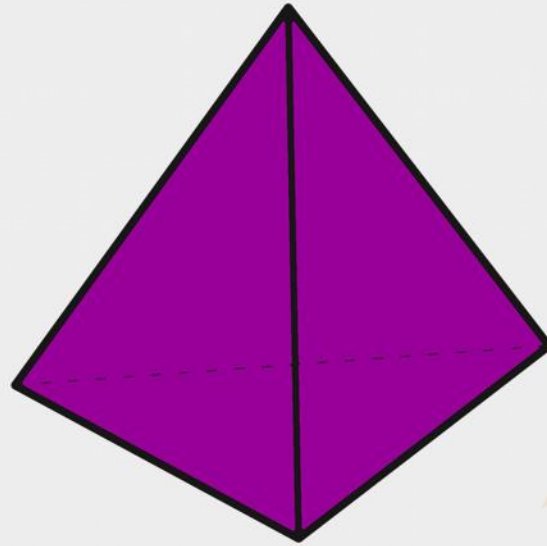
square based pyramid



cone

Varied Fluency 1

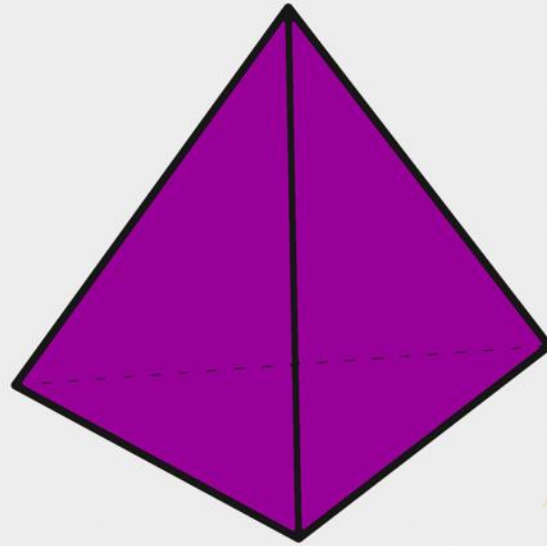
True or false?



**A triangular
based pyramid
has 4 vertices.**

Varied Fluency 1

True or false?

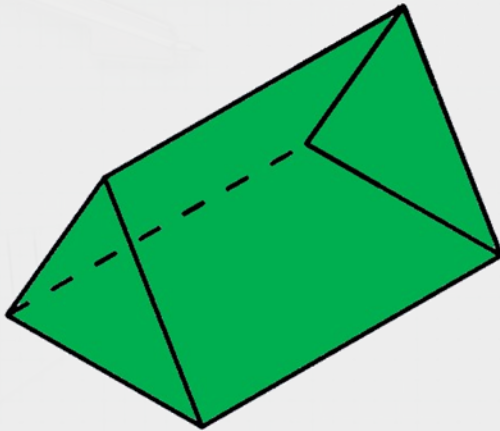


**A triangular
based pyramid
has 4 vertices.**

True

Varied Fluency 2

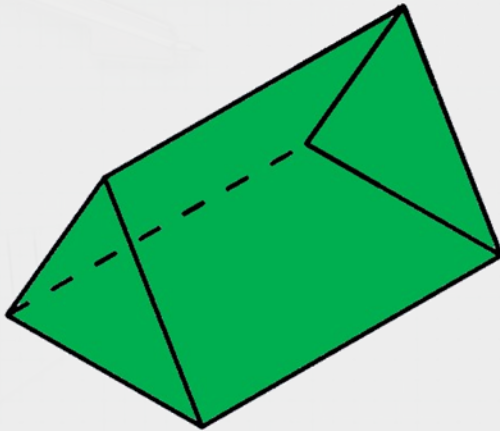
Tick the statements which relate to the shape.



2 triangular faces	
6 vertices	
It is a triangular based pyramid	

Varied Fluency 2

Tick the statements which relate to the shape.



2 triangular faces	✓
6 vertices	✓
It is a triangular based pyramid	

Varied Fluency 3

Circle the shapes that have more than 5 edges.

cone

**square
based
pyramid**

cuboid

Varied Fluency 3

Circle the shapes that have more than 5 edges.

cone

square
based
pyramid

cuboid

Varied Fluency 4

Use $>$, $<$ or $=$ to complete the statements below.

number of edges in
a cuboid

number of faces in
a triangular prism

number of vertices in a
square based pyramid

number of faces in
a cube

Varied Fluency 4

Use $>$, $<$ or $=$ to complete the statements below.

number of edges in
a cuboid

(12)

$>$

number of faces in
a triangular prism

(5)

number of vertices in a
square based pyramid

(5)

$<$

number of faces in
a cube

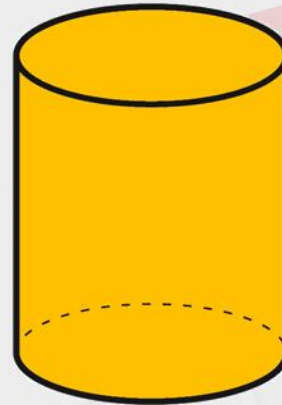
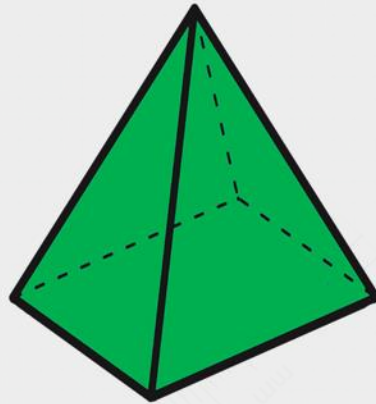
(6)

Problem Solving 1

Are the following statements always true, sometimes true or never true?

A) A square based pyramid has 4 vertices.

B) A cylinder has more curved edges than a cone.



Problem Solving 1

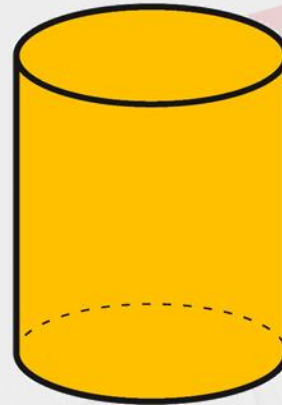
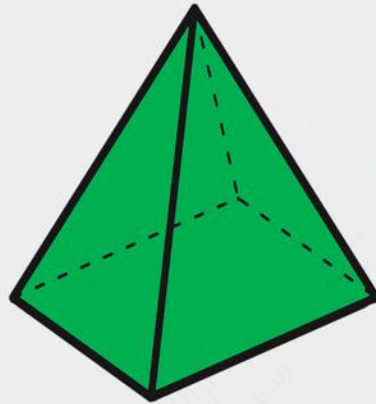
Are the following statements always true, sometimes true or never true?

A) A square based pyramid has 4 vertices.

Never true

B) A cylinder has more curved edges than a cone.

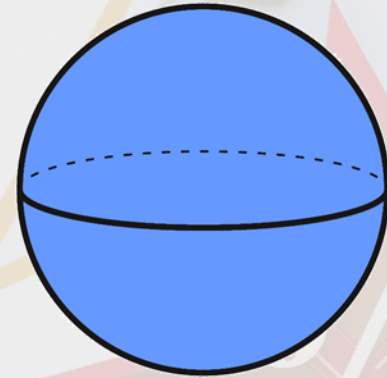
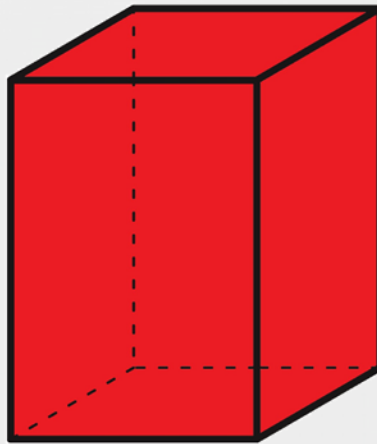
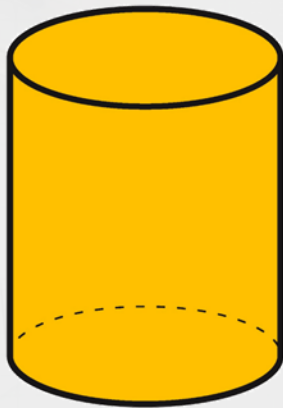
Always true



Reasoning 1

Which shape is the odd one out?

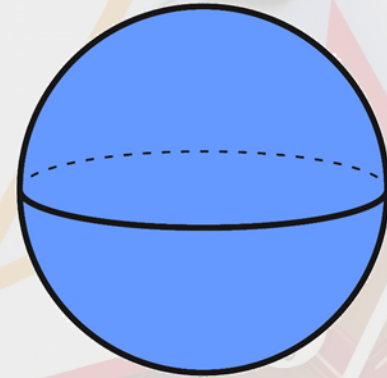
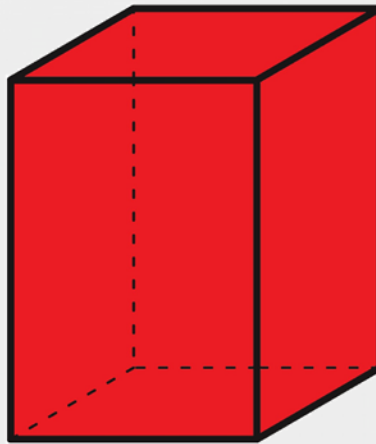
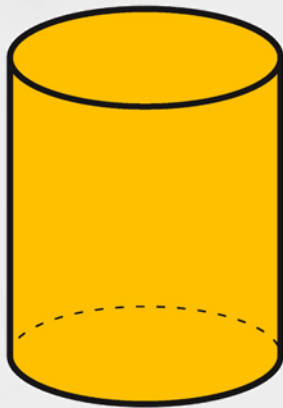
Explain your answer.



Reasoning 1

Which shape is the odd one out?

Explain your answer.



Various possible answers, for example: The cuboid is the odd one out because a cylinder and sphere have a curved surface whereas a cuboid has only flat faces.

Problem Solving 2

Use the cards below to make as many correct statements as you can.

1. The number of edges in a cube.

2. The number of edges in a square based pyramid.

3. The number of vertices in a cube.

4. The number of edges in a cuboid.

=

Problem Solving 2

Use the cards below to make as many correct statements as you can.

1. The number of edges in a cube.

2. The number of edges in a square based pyramid.

3. The number of vertices in a cube.

4. The number of edges in a cuboid.

=

$$\begin{array}{l} 4 = 1 \\ 3 = 2 \end{array}$$