

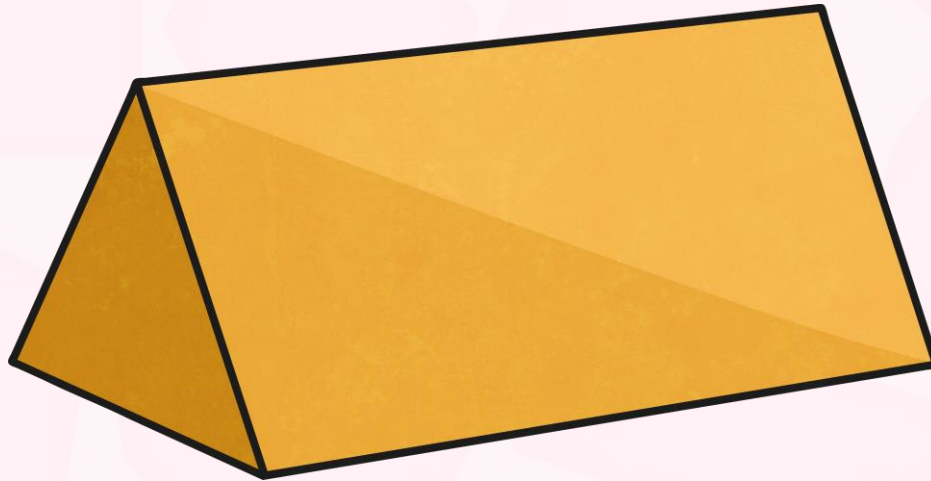
3D Shape Quiz Revision

Name this 3D shape.

cylinder

pyramid

prism



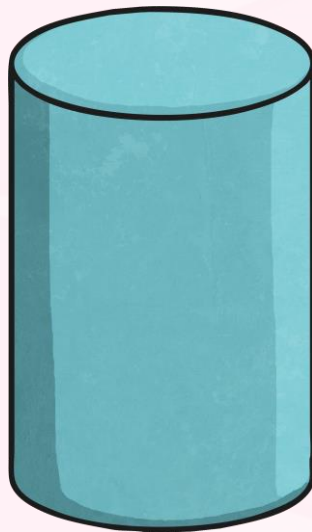
3D Shape Quiz

Name this 3D shape.

cylinder

pyramid

cone



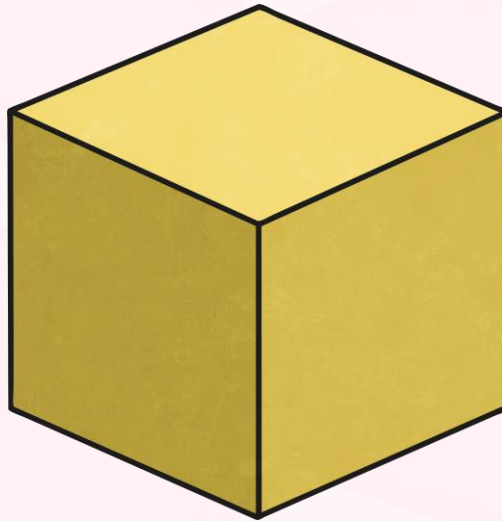
3D Shape Quiz

Name this 3D shape.

cube

cuboid

cone



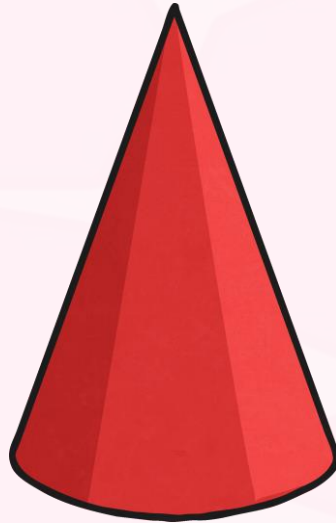
3D Shape Quiz

Name this 3D shape.

cuboid

cone

sphere



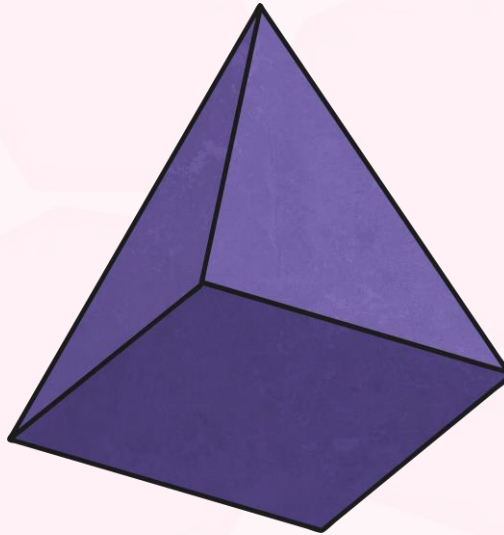
3D Shape Quiz

Name this 3D shape.

prism

pyramid

triangle



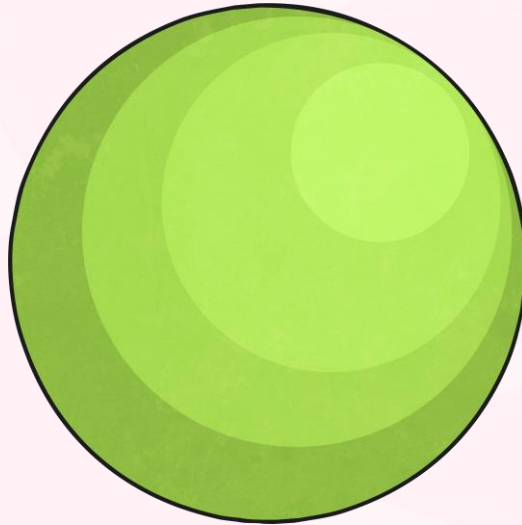
3D Shape Quiz

Name this 3D shape.

cuboid

cylinder

sphere



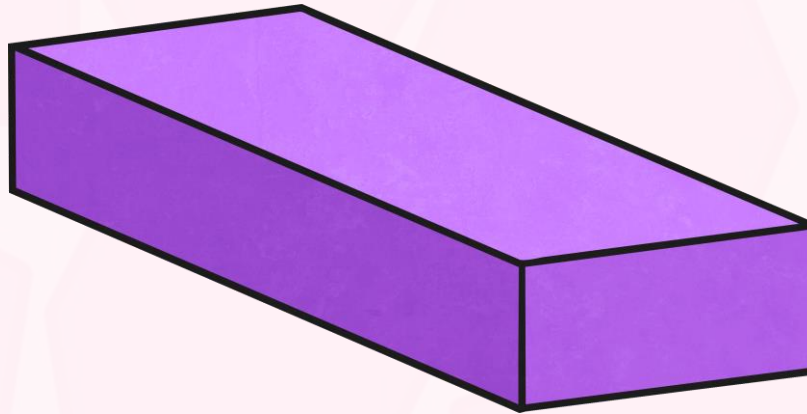
3D Shape Quiz

Name this 3D shape.

cube

rectangle

cuboid



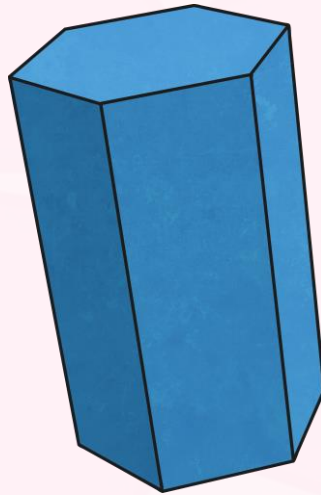
3D Shape Quiz

Name this 3D shape.

hexagonal prism

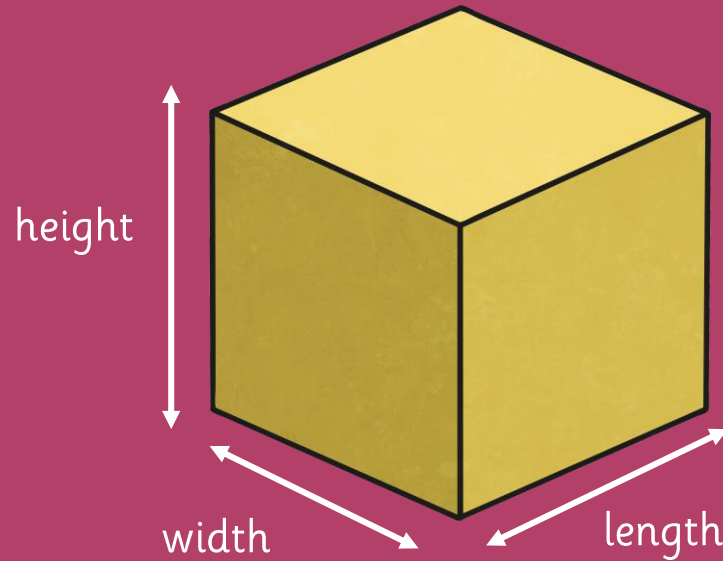
pyramid

triangular prism



Faces, Edges and Vertices

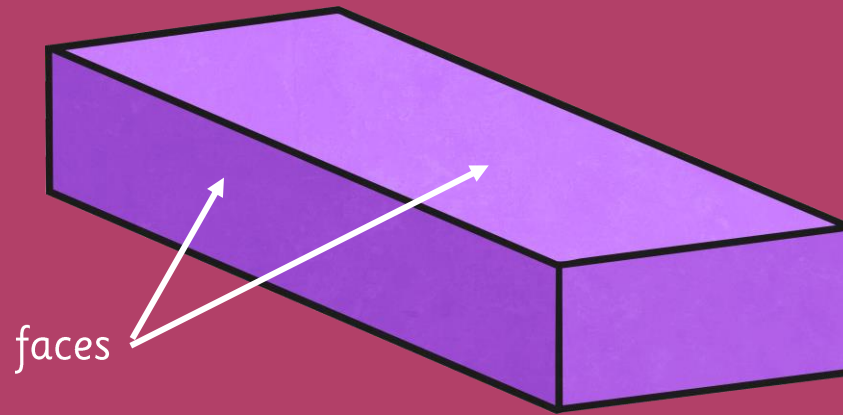
3D Shapes



Every 3D shape has three measurements.
These are **length**, **height** and **width**.

Faces, Edges and Vertices

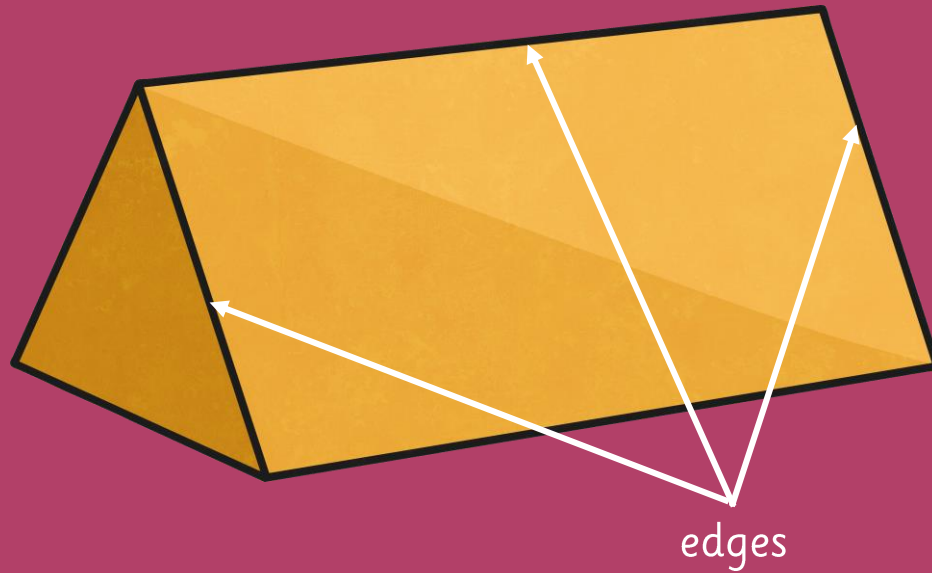
Faces



Faces are the flat sides on a shape.
This cuboid has 6 rectangle faces.

Faces, Edges and Vertices

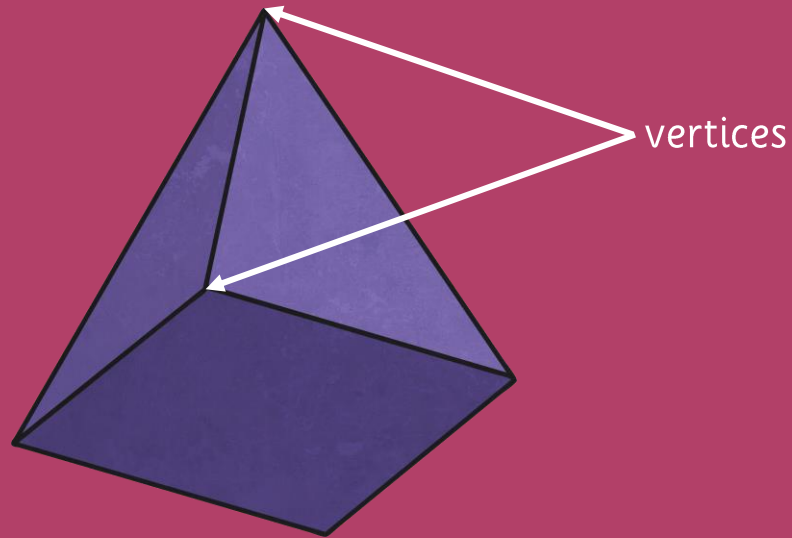
Edges



Edges are the lines where two faces meet.
A triangular prism has 9 edges.

Faces, Edges and Vertices

Vertices



Vertices are the corners of a 3D shape, where two or more edges meet.

What Am I?

Click on the numbers for clues.

1

I have 6 square faces

2

I have 8 vertices

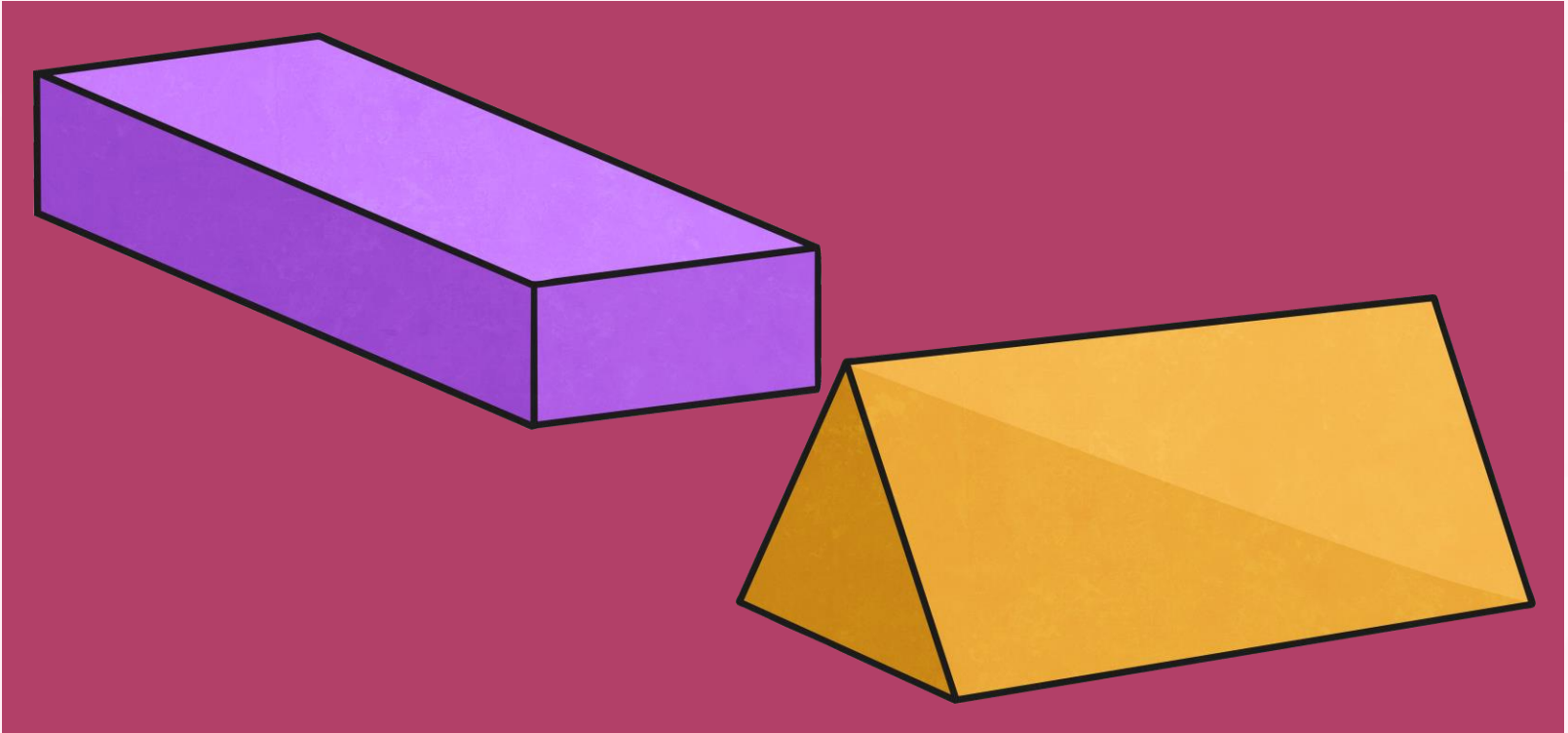
3

I have 12 edges

Can you work in your group
to solve the riddle cards on
your table?

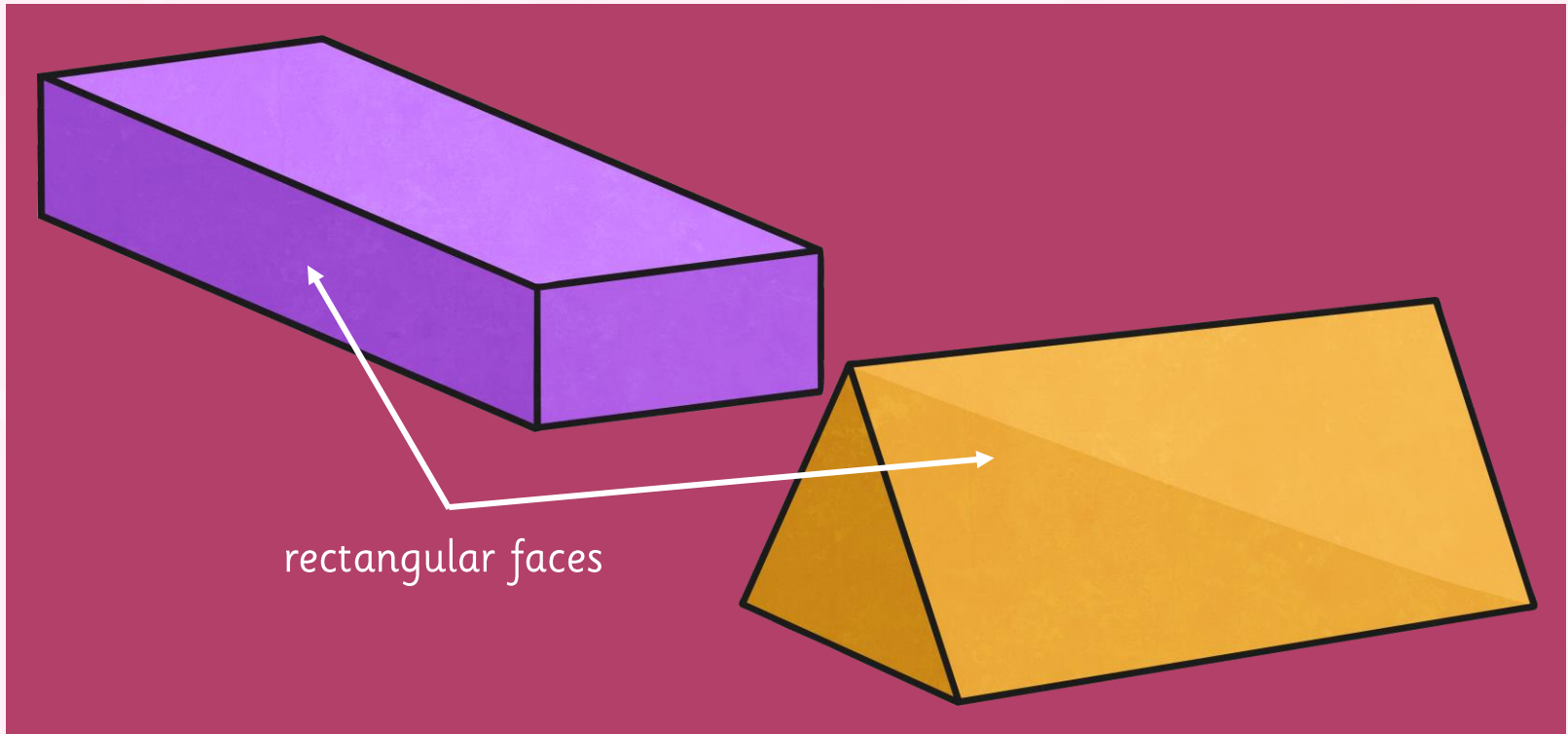
?

Prisms



A prism always has the same shape at both ends.
If you cut the prism in half, the cross-section will be the same shape and size as both the ends.

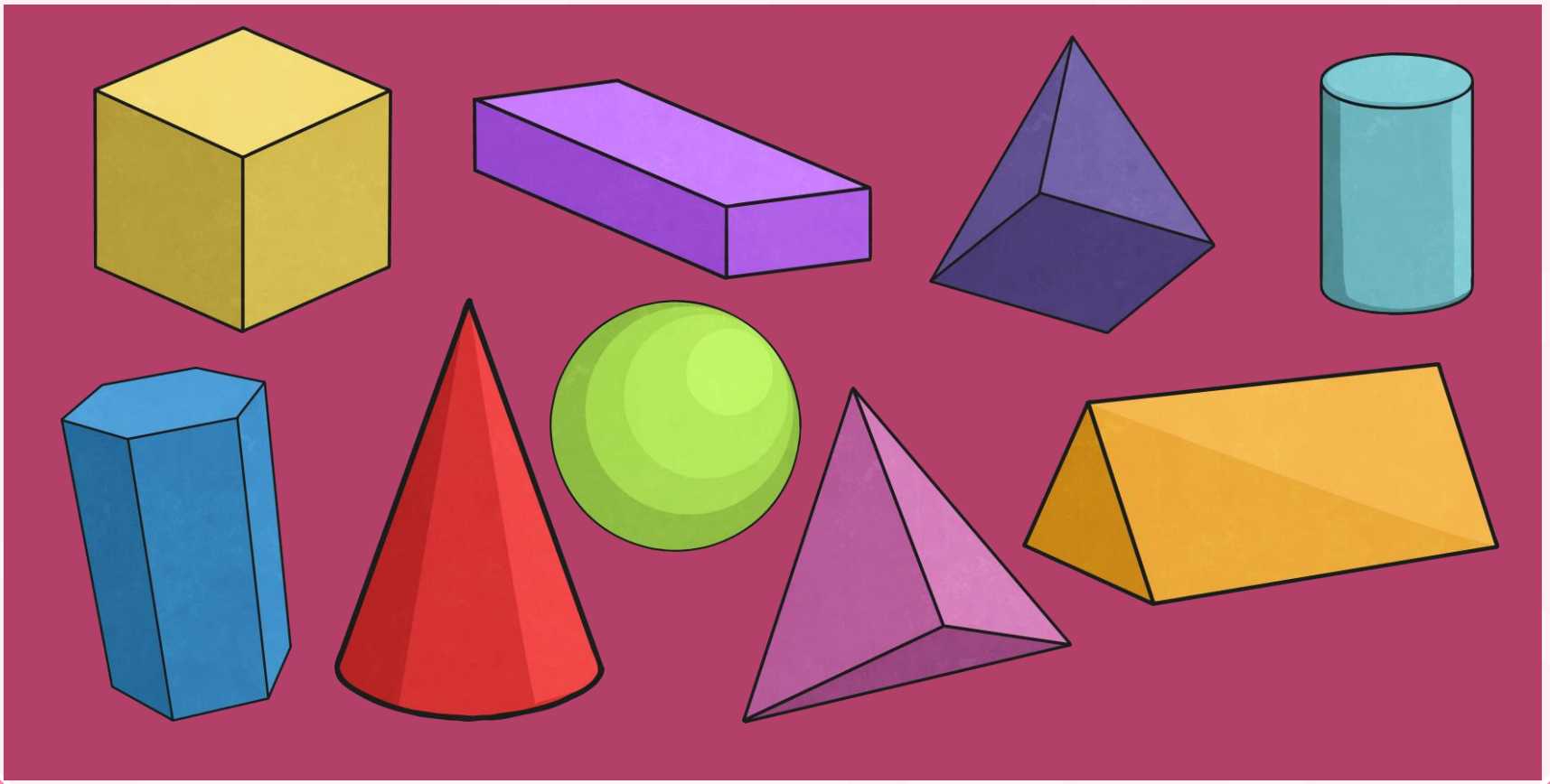
Prisms



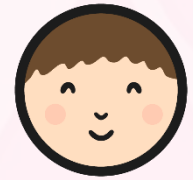
A prism always has rectangular faces on the sides.

Prisms













Which of these shapes are prisms?
How do you know?



Describing 3D Shapes



Describing 3D Shapes













It looks like...	It looks like...	It looks like...	It looks like...	It looks like...	It looks like...
					
It has...	It has...	It has...	It has...	It has...	It has...
<input type="checkbox"/> edges	<input type="checkbox"/> edges	<input type="checkbox"/> edges	<input type="checkbox"/> edges	<input type="checkbox"/> edges	<input type="checkbox"/> edges
<input type="checkbox"/> vertices	<input type="checkbox"/> vertices	<input type="checkbox"/> vertices	<input type="checkbox"/> vertices	<input type="checkbox"/> vertices	<input type="checkbox"/> vertices
<input type="checkbox"/> faces	<input type="checkbox"/> faces	<input type="checkbox"/> faces	<input type="checkbox"/> faces	<input type="checkbox"/> faces	<input type="checkbox"/> faces
					
ere	pyramid	cone	cube	cuboid	cylinder

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Maths | Year 3 | Properties of Shapes | Shapes | Lesson 2 of 4: Describing 3D Shapes

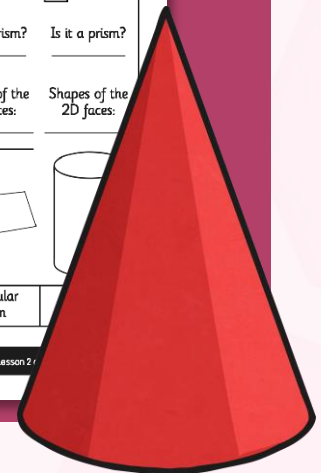
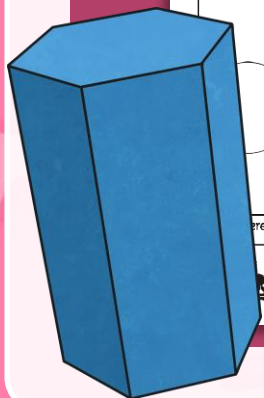


Describing 3D Shapes

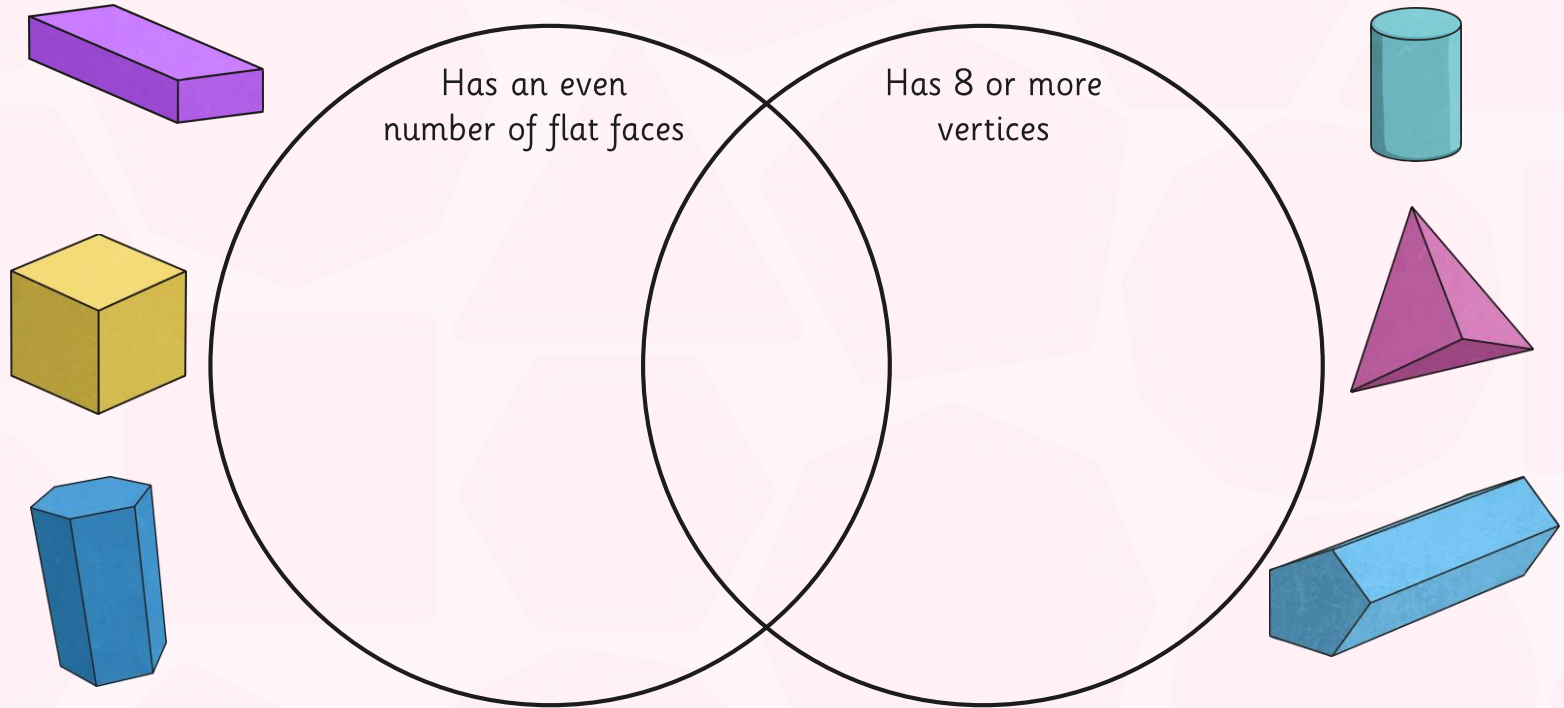
It looks like...	It looks like...	It looks like...	It looks like...	It looks like...	It looks like...
					
It has...	It has...	It has...	It has...	It has...	It has...
<input type="checkbox"/> edges	<input type="checkbox"/> edges	<input type="checkbox"/> edges	<input type="checkbox"/> edges	<input type="checkbox"/> edges	<input type="checkbox"/> edges
<input type="checkbox"/> vertices	<input type="checkbox"/> vertices	<input type="checkbox"/> vertices	<input type="checkbox"/> vertices	<input type="checkbox"/> vertices	<input type="checkbox"/> vertices
<input type="checkbox"/> faces	<input type="checkbox"/> faces	<input type="checkbox"/> faces	<input type="checkbox"/> faces	<input type="checkbox"/> faces	<input type="checkbox"/> faces
Is it a prism?	Is it a prism?	Is it a prism?	Is it a prism?	Is it a prism?	Is it a prism?
Shapes of the 2D faces:	Shapes of the 2D faces:	Shapes of the 2D faces:	Shapes of the 2D faces:	Shapes of the 2D faces:	Shapes of the 2D faces:
					
triangle-based pyramid	hexagonal prism	cone	cube	triangular prism	

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Maths | Year 3 | Properties of Shapes | Shapes | Lesson 2 of 4: Describing 3D Shapes



Sorting 3D Shapes



Can you think of any other shapes that we could sort into this diagram?
Where would they go?

True or False?

Which statement is **false**?
Click the letters to reveal the answers.

A

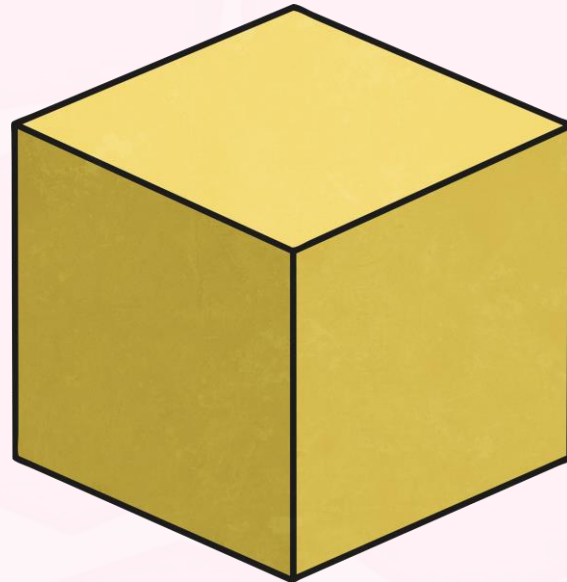
It is a cube

B

It has 5 faces

C

Its faces are squares



True or False?

Which statement is **true**?
Click the letters to reveal the answers.

A

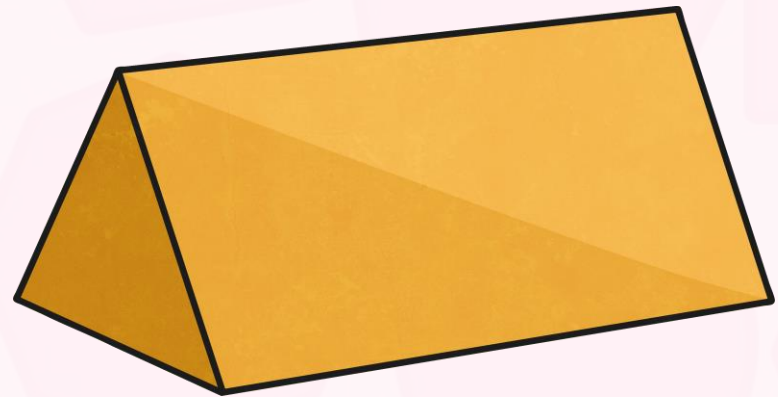
It is a prism

B

It has 7 vertices

C

It has 6 faces



True or False?

Which statement is **false**?
Click the letters to reveal the answers.

A

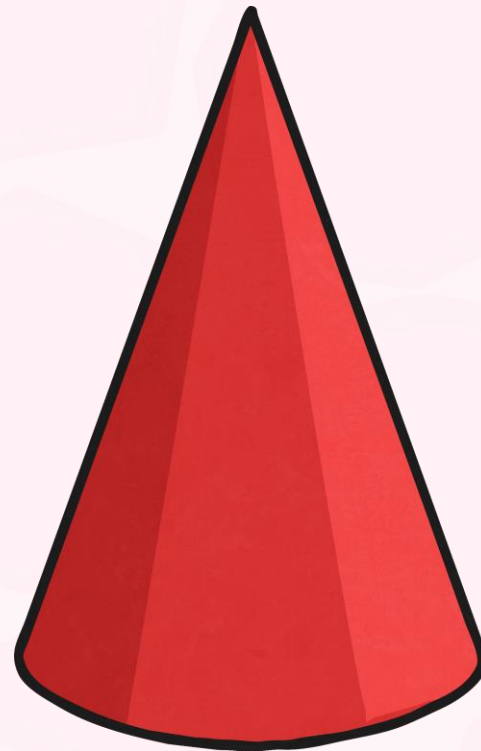
It is a cone

B

It has 0 vertices

C

It has 3 faces



True or False?

Which statement is **true**?
Click the letters to reveal the answers.

A

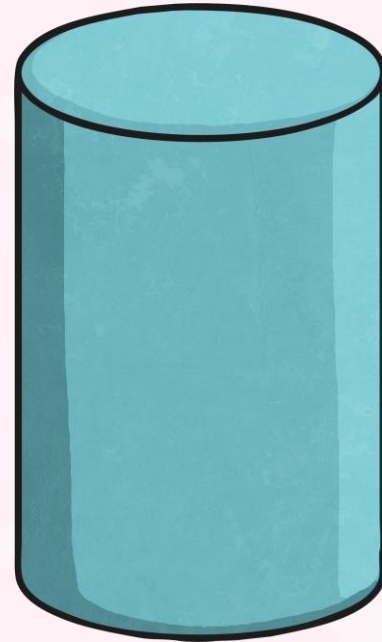
It has 2 faces

B

It has 3 vertices

C

It is a cylinder



True or False?

Which statement is **false**?
Click the letters to reveal the answers.

A

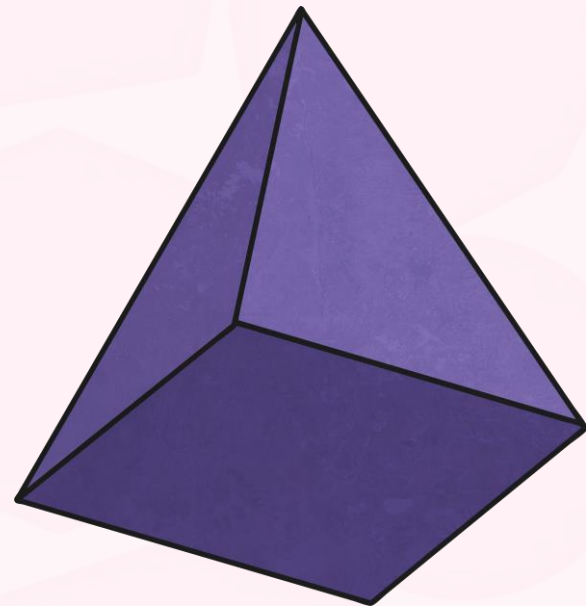
It has a square base

B

It is a pyramid

C

It has 7 edges



True or False?

Which statement is **true**?
Click the letters to reveal the answers.

A

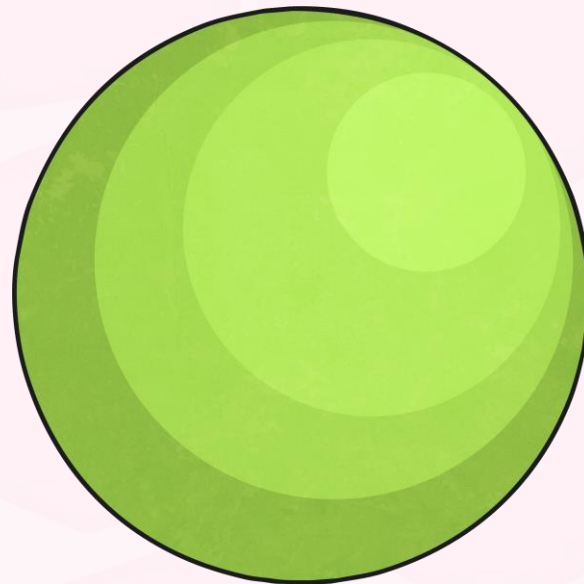
It has 0 faces

B

It has 0 edges

C

It has 2 vertices



True or False?

Which statement is **false**?
Click the letters to reveal the answers.

A

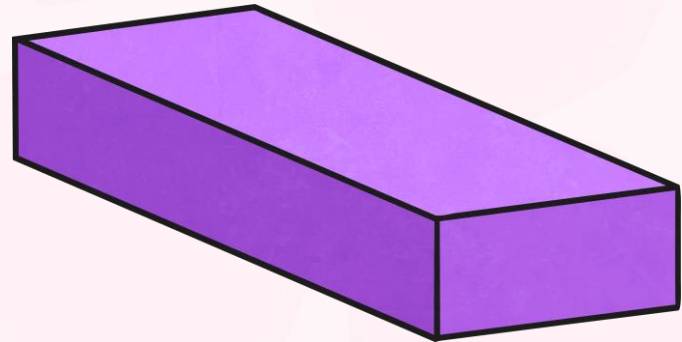
It is a cube

B

It has 6 faces

C

It has 8 vertices



True or False?

Which statement is **true**?
Click the letters to reveal the answers.

A

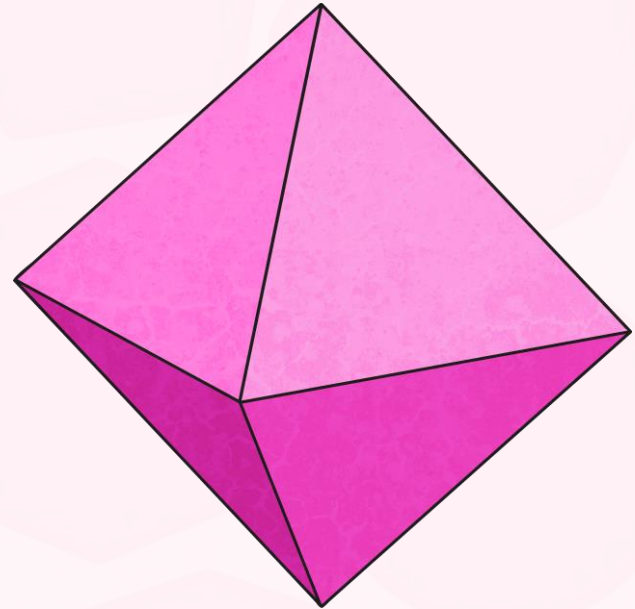
It has 12 edges

B

It has 6 faces

C

It is made up of 6
equilateral triangles



True or False?

Which statement is **false**?
Click the letters to reveal the answers.

A

It has 10 faces

B

It is a prism

C

It has 16 edges

