

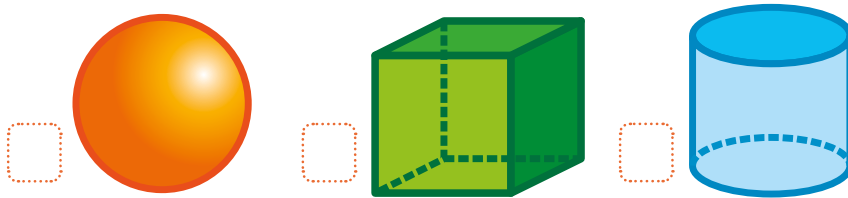
# 3-D shapes

A three-dimensional shape is a solid shape. Are you ready to test your knowledge? Go!

## Time filler:

Look around your home. Make a list of objects that are a sphere shape, a cuboid shape, or a cylinder shape. What other 3-D shapes can you find?

1 Which shape is a cube? Tick (✓) the answer.



2 How many faces does a square-based pyramid have?



3 Match the shape to its name. Draw a line.



Triangular prism



Cuboid

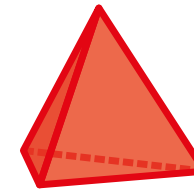


Cone

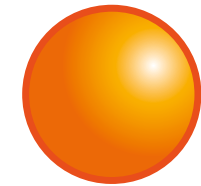
4 How many edges do these shapes have?



Hexagonal prism



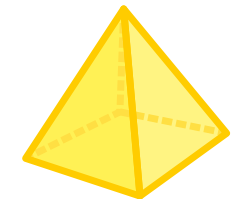
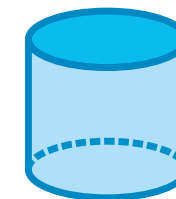
Triangle-based pyramid



Sphere



5 Which shape has the most vertices (corners)? Circle the answer.



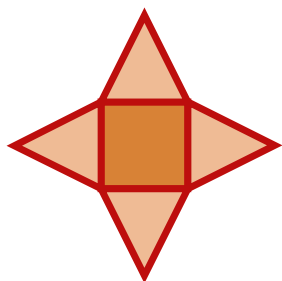
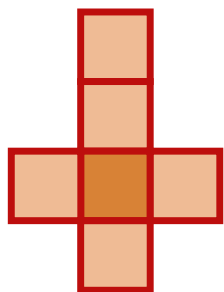
# More 3-D shapes

Here are some more questions about comparing 3-D shapes.

## Time filler:

Find some empty tubes, boxes, and other recycled packaging. What sort of sculpture can you make by sticking them together?

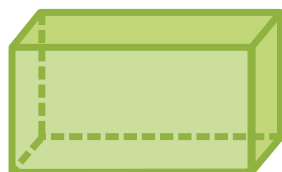
① Which is the net of a cube? Circle the answer.



② Circle the shape with the most faces.

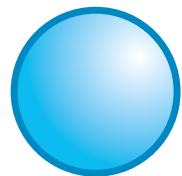


Triangular prism

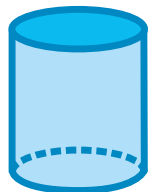


Cuboid

③ Which shape has no edges? Circle the answer.

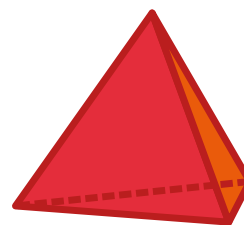


A sphere



A cylinder

④ Label these shapes and count the vertices (corners).



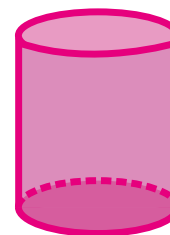
Name .....

Number of vertices .....



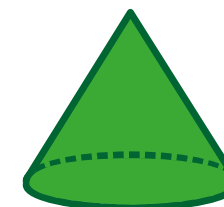
Name .....

Number of vertices .....



Name .....

Number of vertices .....



Name .....

Number of vertices .....

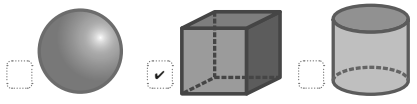
⑤ Which shape has 5 faces, 5 vertices (corners), and 8 edges?

.....

# Answers:

## 3-D shapes

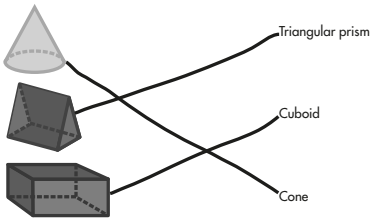
① Which shape is a cube? Tick (✓) the answer.




② How many faces does a square-based pyramid have?

5

③ Match the shape to its name. Draw a line.



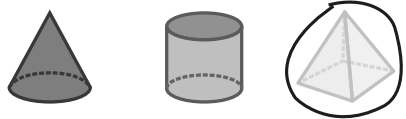
④ How many edges do these shapes have?



Hexagonal prism      Triangle-based pyramid      Sphere

18      6      0

⑤ Which shape has the most vertices (corners)? Circle the answer.

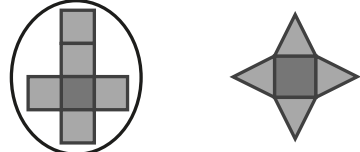


When discussing 3-D shapes, your child should start using mathematical language such as curved and flat faces, straight edges, and corners to describe and

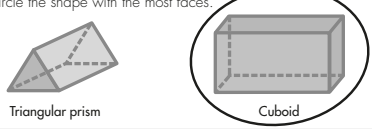
compare them. Encourage your child to find the shapes featured on the page at home so that she/he can feel the shape too.

## More 3-D shapes


① Which is the net of a cube? Circle the answer.



② Circle the shape with the most faces.




③ Which shape has no edges? Circle the answer.




A sphere      A cylinder

④ Label these shapes and count the vertices (corners).



Name Triangular-based pyramid      Name Cuboid

Number of vertices 4      Number of vertices 8



Name Cylinder      Name Cone

Number of vertices 0      Number of vertices 1

⑤ Which shape has 5 faces, 5 vertices (corners), and 8 edges?

Square-based pyramid

If your child is finding it difficult to count corners or identify faces from the diagrams, let them find real examples of the shapes in the kitchen, bathroom,

or among their toys. Ask your child to talk about what makes these 3-D shapes different from each other.