Slide 1

What do you know about shapes? Click and let's find out!

MD 2006

A Maths Dictionary for Kids

Slide 2

A triangle is a flat, 2D shape

A rectangle is a flat, 2D shape

Shapes are all around us. Some are flat, 2D shapes. Which of these are flat shapes?

A square is a flat, 2D shape

A circle is a flat, 2D shape

Slide 3

3D

3D

The other shapes are solid shapes. We call them 3D shapes.

3D

3D

Slide 4

?

Solid shapes all have 'faces' but **not** faces like mine! If you want to find out about their faces, it's best to try drawing round them then you can find out what shape their faces really are and how many faces they have!

Slide 5

What am I? Riddles ▶

Shapes are all round us. Do you know their names? Click and play my guessing game!

What shapes are these? ▶

Slide 6

I am a solid shape.

I have no corners or edges.

I have one curved face.

I am perfectly round.

I am good at rolling!

What shape am I?

I'm a sphere

Slide 7

I am a solid shape.

I have no corners.

I have one curved face.

I have two flat faces.

I can roll on my curved face.

What shape am I?

I'm a cylinder

Slide 8

I am a solid shape.

I have a round flat face.

I have a curved face that goes to a point.

I can roll on my curved face.

What shape am I?
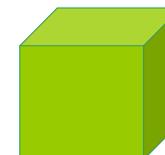
I'm a cone!

Slide 9

I am a solid shape.

I have 6 flat square faces all the same size.

I have 8 corners.

I have 12 edges that are all the same size.

What shape am I?

I'm a cube

Panel 1:

I am a solid shape.

I have 6 flat faces.

I have 8 corners.

I have 12 edges but some are long and some are short.

What shape am I?

I'm a cuboid

Panel 2:

What are all these shapes?

bubbles

They are all spheres!

Panel 3:

What are all these shapes?

They are all cylinders!

Panel 4:

What are all these shapes?

They are all cones!

Panel 5:

What are all these shapes?

They are all cubes!

Panel 6:

What are all these shapes?

They are all cuboids!

Panel 7:

cube

cone

cylinder

cuboid

Did you guess them all?

sphere

rectangle

triangle

square

circle

Panel 8:
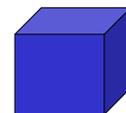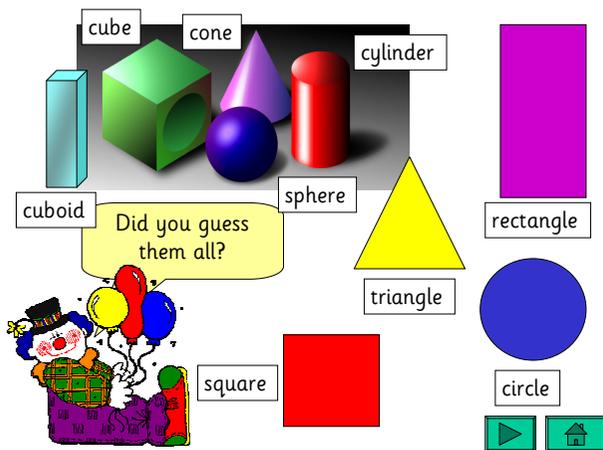
If you draw round the faces of a cube you will see that a cube has **6** square faces.
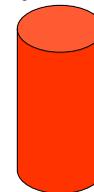
Did you notice the shape of their faces?

If you draw round the faces of a cylinder you will find that you can only draw round **2** of its faces.

What shape will they be?

Panel 9:

If you draw round the faces of a cuboid you will see that sometimes all its faces are rectangles but sometimes 2 of its faces are square!

A cube always has 6 square faces!

How is a cuboid different from a cube?