

Friday 22nd January 2020

Let's get warmed up.



https://www.youtube.com/watch?v=bWUgZm_AE64

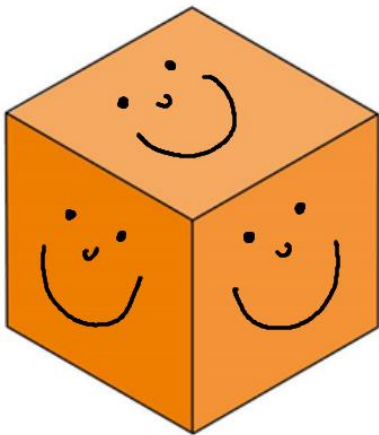
Look at the cubes and cuboids that you collected yesterday.

Today we are going to learn about the properties of a cube and cuboid. This means we are going to try and describe what the shapes are like.

Let's look at the cube. What do you notice about it?

3D shapes have **faces**. They are the flat parts of the shapes. I have drawn smiley faces on the faces of my cube...

Pick your cube up and hold it. How many faces are there? Can you count them? Only count each face ONCE. What do you notice about the faces of a cube? What shape are they? They are all **squares**!



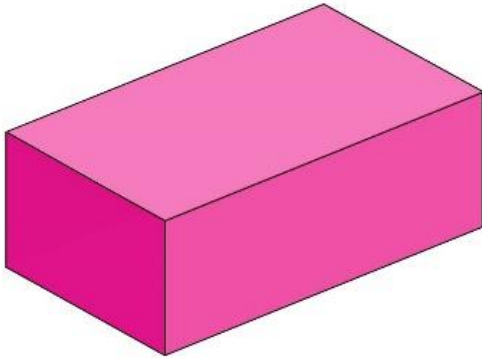
A cube has 6 faces.

A cube has 8 vertices.

Vertices are the pointy bits! On 2D shapes they are called corners and on 3D shapes they are called vertices. Using your playdough/Blu Tack, stick a little ball on each vertex to help you count how many there are. How many vertices are there altogether?

Pick up your cuboid and hold it. How many faces are there?
Can you count them? Only count each face ONCE. You might
be able to draw faces on each one!

What do you notice about the faces of your cuboid?
What shape are they? Some are **rectangles** and some
might be **squares**.



A cuboid has 6 faces.

A cuboid has 8 vertices.

You could have a go at making some cubes and cuboids at
home using either straws or cocktail sticks for the edges
and something mouldable and sticky for the vertices.

