

**Shape and Space**  
**Reasoning**  
**about shapes**

**Year 2 Summer Term Week 6**

**Lesson 1**

Today we will be learning to:

- recognise and name 3-D shapes
- make models using 3-D shapes
- recognise what makes 3-D shapes special
- relate 3-D shapes to 2-D pictures.

What are  
**2-D shapes** and **3-D**  
**shapes**?

A **3-D shape** is a  
solid shape. A **2-D**  
**shape** is a flat  
shape.



# Mental Activity

Play 'Round the table'.



Sit in groups with people you do not normally work with.

Your group will need

- a pen
- a big sheet of paper.

The child holding the pen is the 'leader'.

The leader chooses a multiple of 10.


Writes it on the piece of paper.

Circles the number.

I will throw a dice.

Subtract the dice number from  
your circled number.

Write your answer next to your  
number.



Check your answer.

Give the pen to the person  
on your right.

Start again.



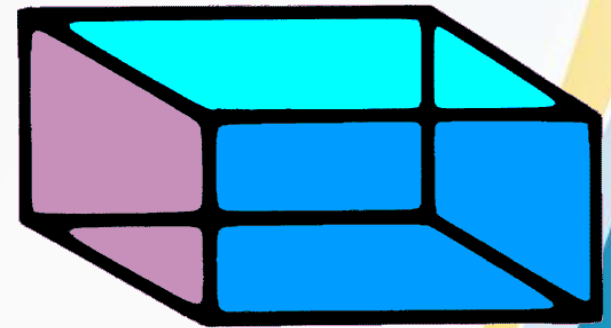
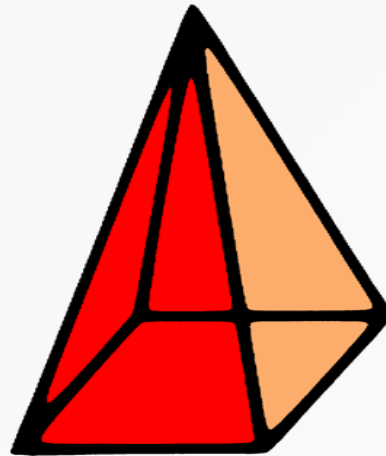
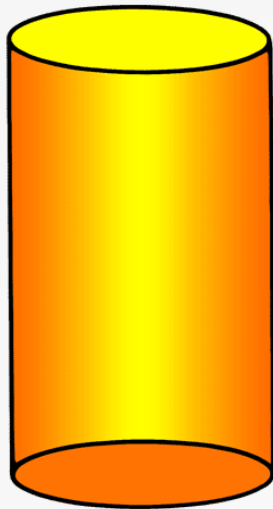
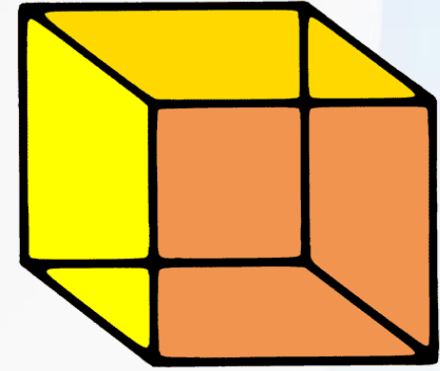
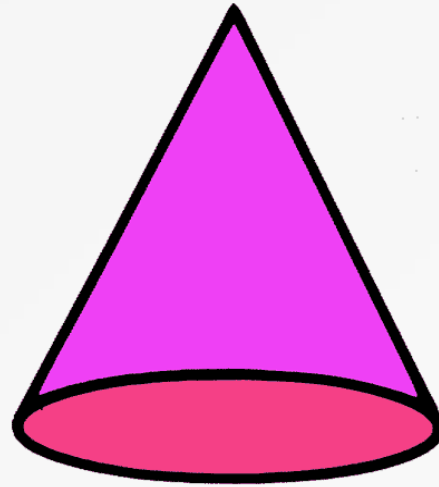
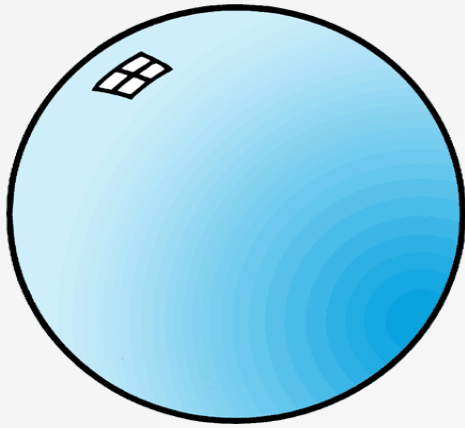
# Main Activity

Today we are going to be learning about 3-D or 'solid' shapes.

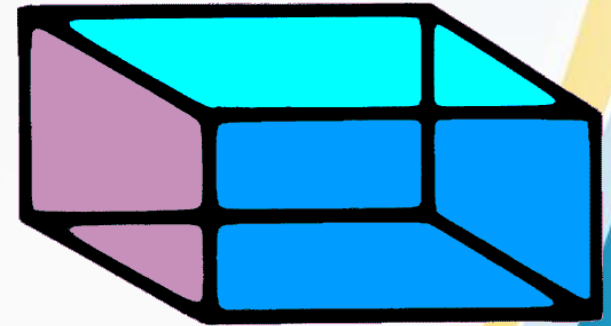
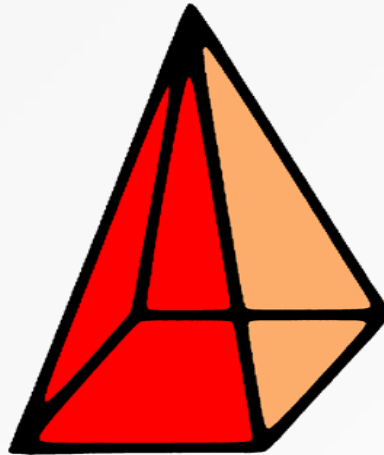
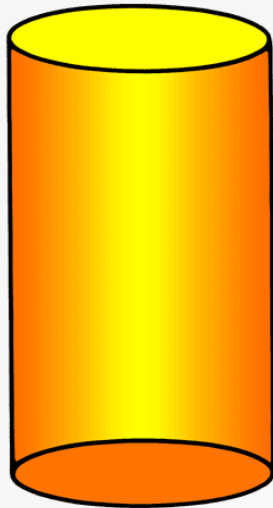
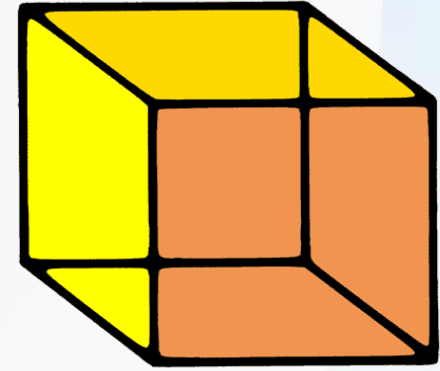
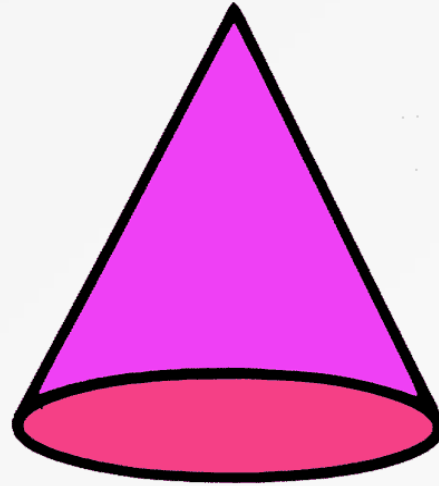
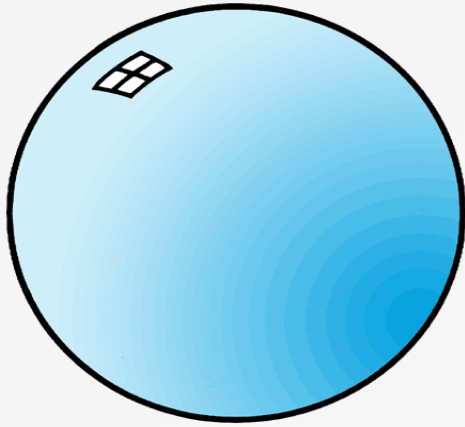
I will show you a collection  
of 3-D shapes.

Choose a shape.

What can you tell me about it?



What do we know about each of these shapes?



Can we find things in the classroom with the same shapes as these?

# Group Work

Work in pairs.

Build a 3-D shape from click-together shapes.

Draw round the faces of the 3-D shape on card.

Cut them out.

Record how many faces there are and what shape each face is.

Make a label with this information. Attach it to your card model.