# Week 11, Day 5 <br> Sorting 3-D shapes 

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. Start by reading through the Learning Reminders. They come from our PowerPoint slides.

2. Tackle the questions on the Practice Sheet. There might be a choice of either Mild (easier) or Hot (harder)!
Check the answers.

3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?

4. Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the Investigation...
5. Have I mastered the topic? A few questions to Check your understanding.
Fold the page to hide the answers!

## Learning Reminders

## Name common 3-D shapes.



## cube

O


## Learning Reminders



## Learning Reminders


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## Practice Sheet Mild

## Sorting objects

Sort the shapes of the everyday objects on page 2.

## Cylinder

Sphere
Cuboid

## Challenge

Can you think of one more object for each group? Draw it in the correct section.
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## Practice Sheet Hot

## Sorting objects

Sort the shapes of the everyday objects on page 2.

## Cylinder

Sphere
Cuboid

## Challenge

What different shapes of packaging can you see in your home?
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## Practice Sheet Answers

Practice Sheet (Mild) and (Hot)

Cylinder



Sphere


Cuboid


Things you will need:

- A camera/phone



## What to do:

- Choose one of these shapes.
- Try to find as many objects that shape as you can.
- If you can, take photographs of them.

- Try to find as many different-looking examples of that shape as you can.
- Describe them to an adult.
- Now choose another shape and repeat.



## Problem solving and reasoning questions

Mystery shapes.

- I have six square faces.
- If I am one way up, I slide. If you turn me over, I roll.
- I am used in football!
- I can only slide. Not all my faces are the same but they are all rectangles.


## True or false

- No shape has only curved faces.
- Two shapes we know have six rectangle faces.
- No shape can both roll and slide.

Name three shapes which you could use, dipping one face in paint, to print a square.

## Fold here to hide answers:


#### Abstract

Answers Mystery shapes. - I have six square faces Cube. - If I am one way up, I slide. If you turn me over, I roll. Cylinder. - I am used in football! Sphere. - I can only slide. Not all my faces are the same but they are all rectangles. Cuboid.


## True or false

- No shape has only curved faces False - a sphere does.
- Two shapes we know have six rectangle faces True - a cube and cuboid.
- No shape can both roll and slide False - a cylinder can.

Name three shapes which you could use, dipping one face in paint, to print a square. Cube, cuboid, square based pyramid.

