

Maths Mastery Home Learning Challenge

Adult Guidance

What Are We Learning?

We are learning how to name and describe 3D shapes.

How to Set up the Challenge

- Make a collection of 3D shapes from your home, such as a tin of food (cylinder), a ball (sphere), a dice (cube), a cereal packet (cuboid) and an ice cream cone (cone).
- Make a simple ramp.

How to Get Your Child Thinking

- Do you know the names of these 3D shapes?
- Can you tell me about the shapes?
- How are they the same? How are they different?
- Which shapes do you think will be good at rolling? Why?
- Which shapes have curved surfaces? Which shapes have flat faces?
- Which shapes rolled? Why did they roll? Why didn't these shapes roll?
- What have you learnt about shapes that roll?



Does It Roll?



- Look at the different objects. Can you name which 3D shapes they are?
- Which shapes do you think will roll down the ramp?
- Test the shapes by placing them at the top of the ramp.
- Which shapes rolled?