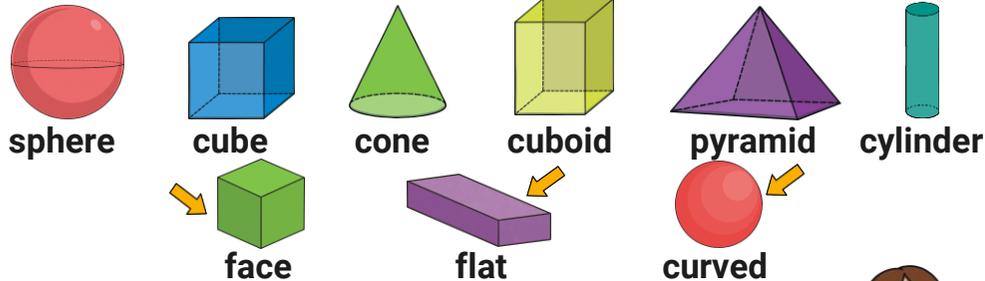


Maths Talk and Learn: Supporting White Rose Maths Explore 3D Shapes

3D Shapes

What can you tell me about these 3D shapes? How are the shapes similar? How are they different? How could you sort them?

Which shapes would be best to **roll**? Which shapes would be best to **stack**? Why?



Bianca has been printing with some 3D shapes and paint. Which 3D shapes could she have used to print the 2D shapes below? How do you know?



Talk about the items Baby Bear has found. Which are 3D shapes? Which are 'almost' 3D shapes?



Challenge Yourself:

- Use some junk-modelling materials to build a model vehicle. Talk about the shapes you use. Are some shapes better for different parts of your model? Why?
- Use some modelling dough and building bricks to investigate the 'footprints' that 3D shapes make when pressed into the dough. Which 3D shapes have only 1 type of 2D shape within them? Which 3D shapes have more than 1?

Pattern

A **repeating** pattern is a sequence or order of colours, shapes, objects, numbers, letters or actions.



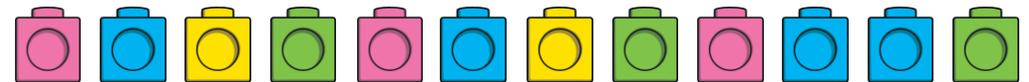
What can you tell me about this repeating pattern?



The children are making a pattern using repeated actions. Which action will come next?



Can you spot the mistake in the pattern below? What should the correct order be?



Can you describe the patterns on Aisha's outfit?



Challenge Yourself:

- Use some coloured buttons, beads, coins or paper shapes to make a repeating pattern. What different patterns can you make using 3 or 4 different colours/items?
- Go on a pattern hunt around your home. What patterns can you find on clothes or other fabrics? Can you describe the patterns to a grown-up?