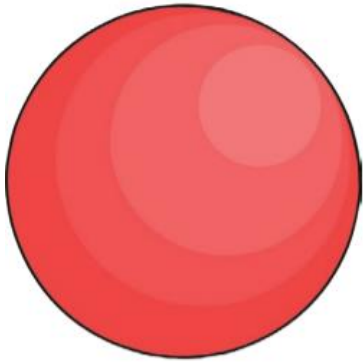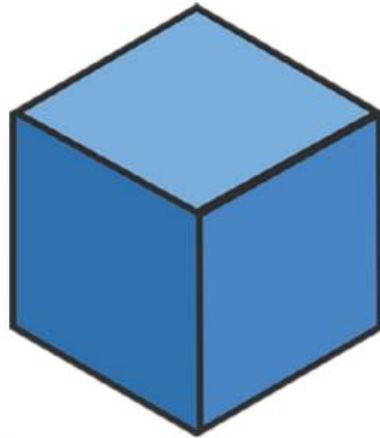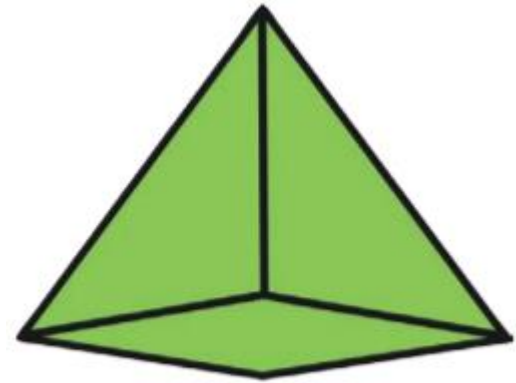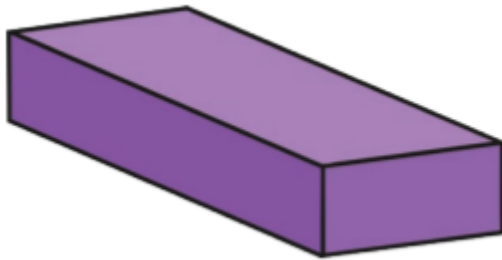# Name these shapes:

sphere

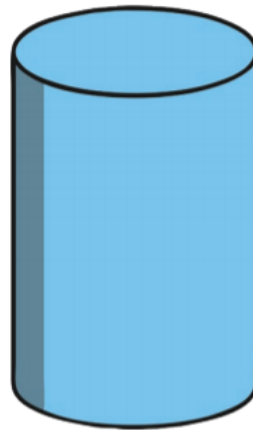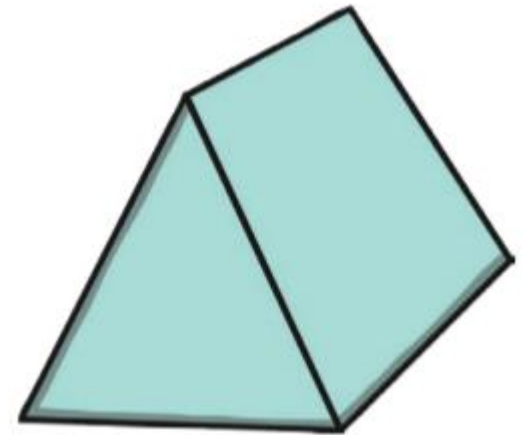cube

Square based pyramid

cuboid
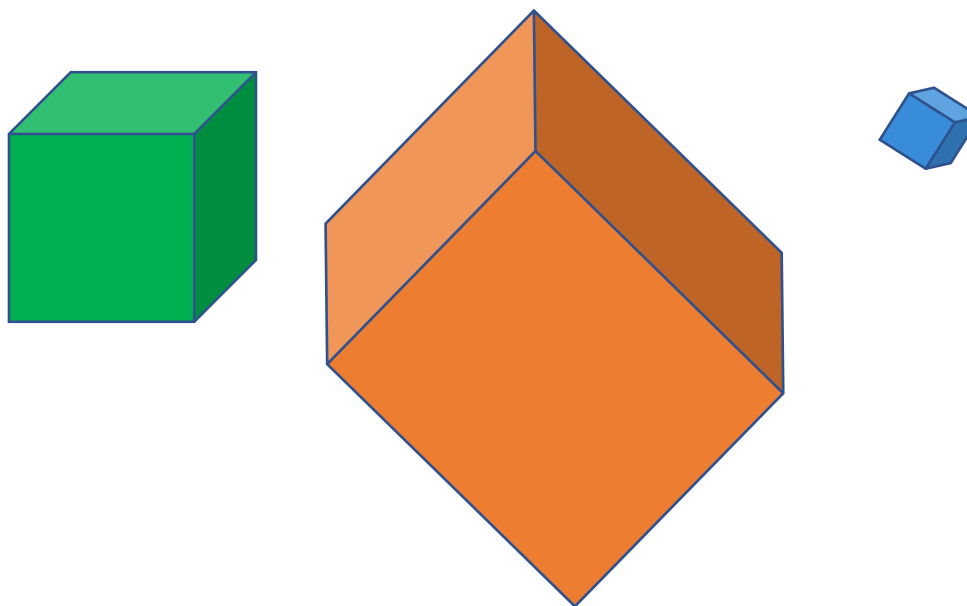
cylinder

triangular prism

To sort 3-D shapes

Talking Time:

What is the same and what is different about these three shapes?

To sort 3-D shapes

Talking Time:

What is the same and what is different about
these three shapes?
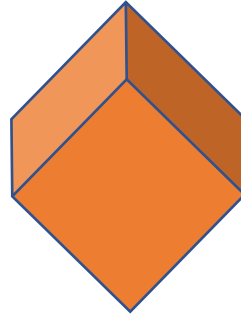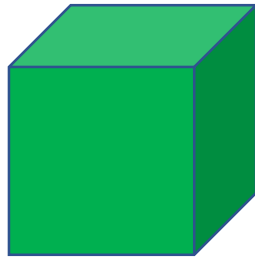
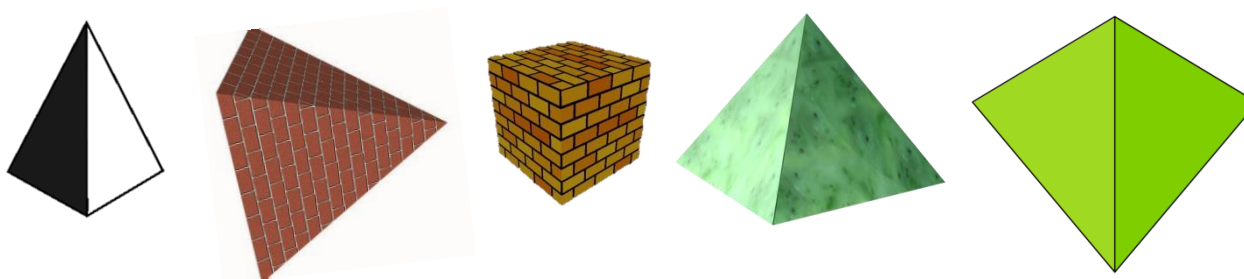They are all cubes, but they are different colours and at different orientations.

To sort 3-D shapes

Talking Time:

Which is the odd one out? Why?

To sort 3-D shapes

Talking Time:

Which is the odd one out? Why?
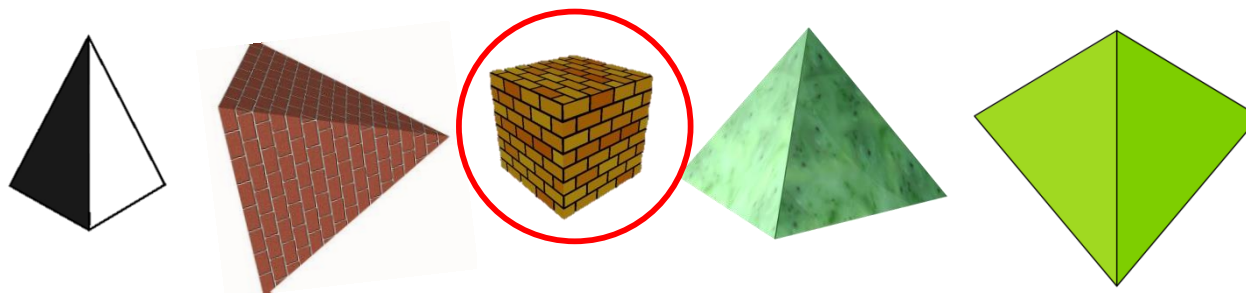
This is a cube, the rest of the shapes are pyramids.

To sort 3-D shapes

Activity 2:

Which is the odd one out? Why?

Extension:
Write a sentence to describe this group.

To sort 3-D shapes

Activity 2:

Which is the odd one out? Why?
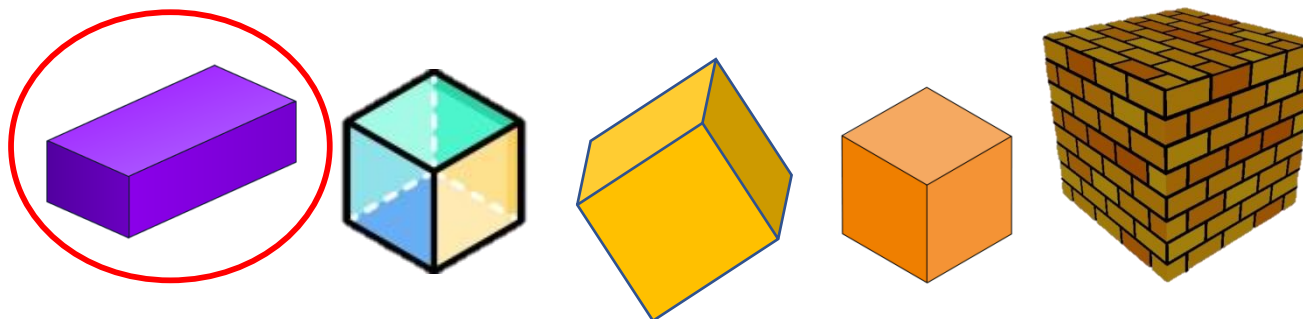
The odd one out is a cuboid in a group of cubes. It has rectangular faces and the cubes have square faces. Their edges are also the same length.

To sort 3-D shapes
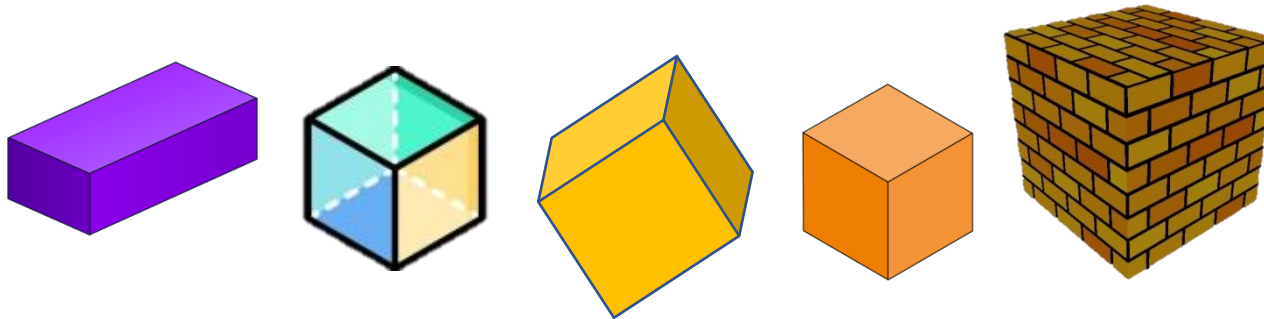
Activity 3:

Sort these 3-D shapes into cylinders and cuboids.

Extension:
Look around the room and find more cuboids and cylinders to join the group.

Cylinders

Cuboids

To sort 3-D shapes

Activity 3:

Sort these 3-D shapes into cylinders and cuboids.

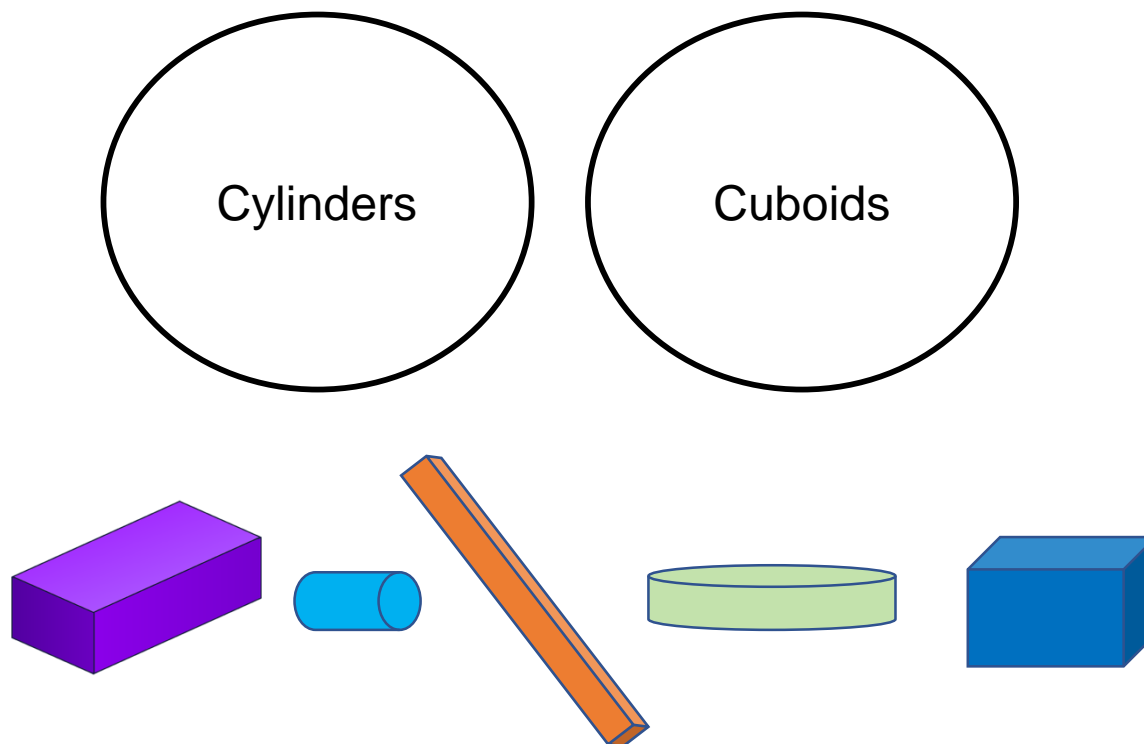**Extension:**
Look around the room and find more cuboids and cylinders to join the group.
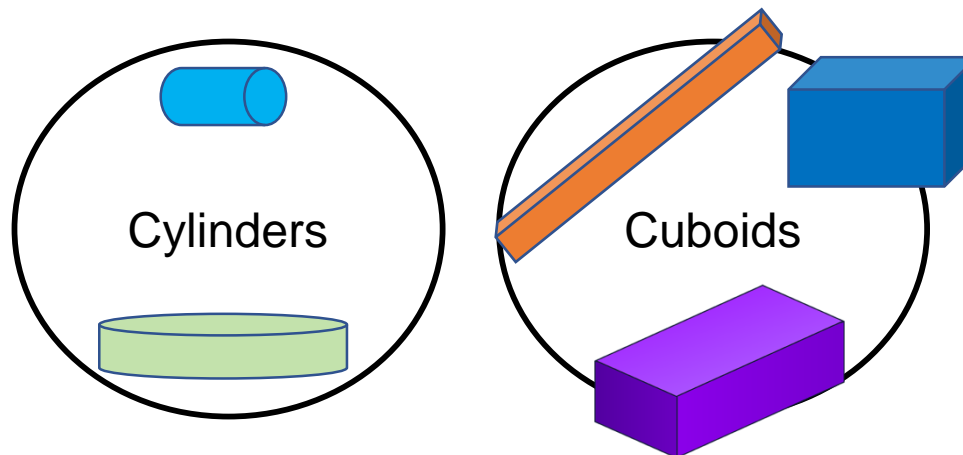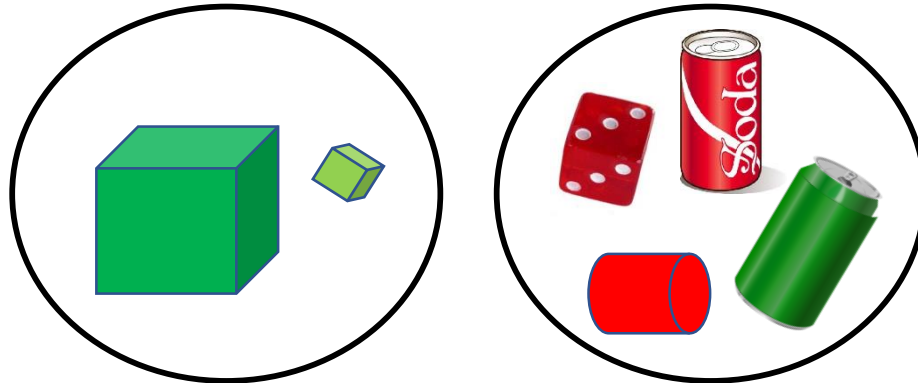
Cylinders

Cuboids

To sort 3-D shapes

Talking Time:

Jenny has made two groups of 3-D shapes.
How has she sorted them?
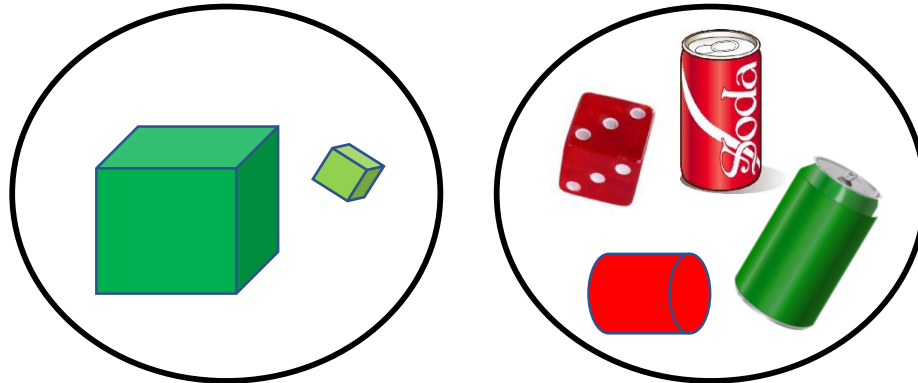Has she made a mistake?

To sort 3-D shapes

Talking Time:

Jenny has made two groups of 3-D shapes.
How has she sorted them?
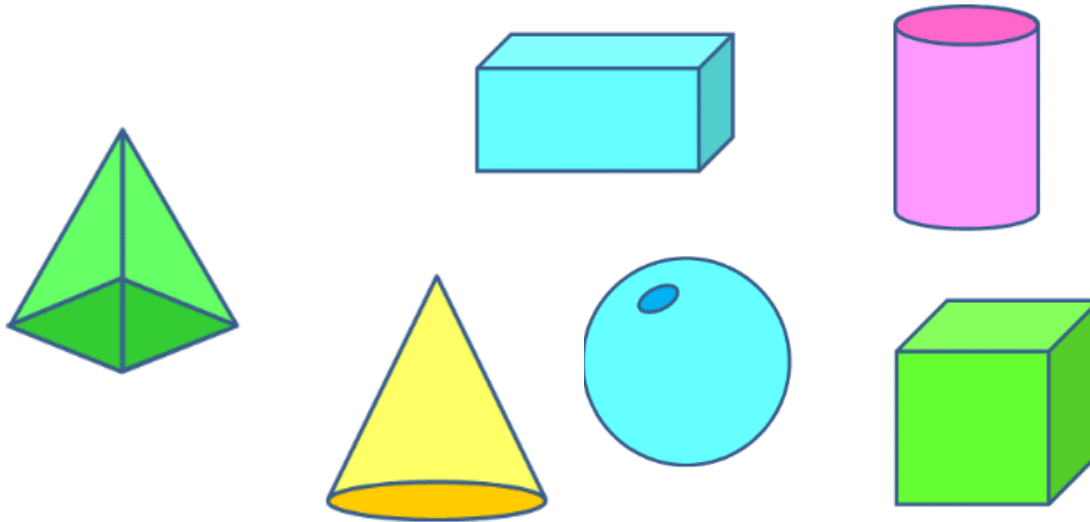Has she made a mistake?

Jenny could be sorting by **shape**, in which case she should move the die to have groups of cubes and cylinders.

Or she could be sorting by **colour**, in which case she should move the green can.

To sort 3-D shapes
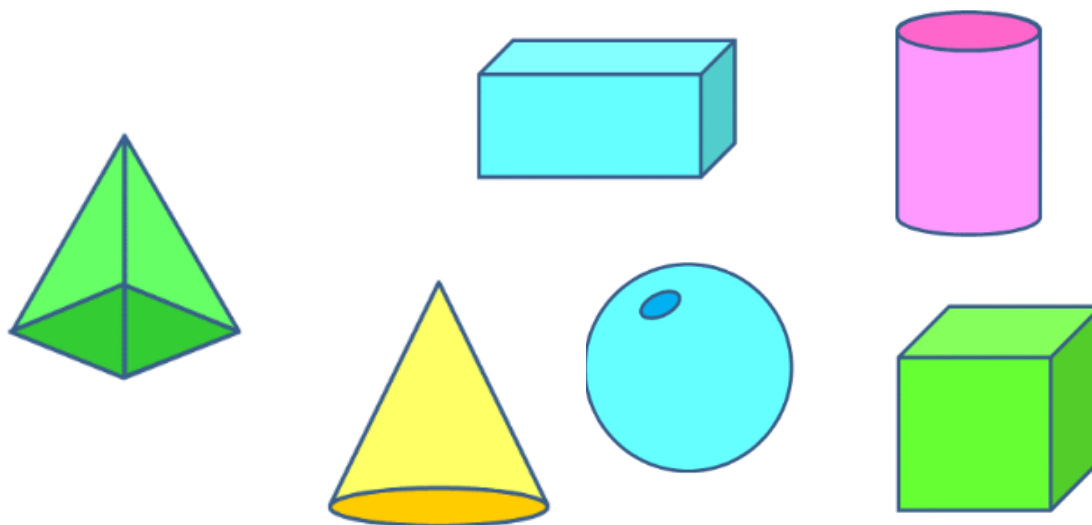
Talking Time:

How many different ways could you sort these shapes into groups?

To sort 3-D shapes

Talking Time:

How many different ways could you sort these shapes into groups?

For example, straight faces / curved faces, square faces / no square faces.

To sort 3-D shapes

- I can sort 3D shapes into different groups
- I know that one 3D shape can come in different sizes and colours

Evaluation:

Megan is thinking of a shape.
It has a square face.
What could the shape be?

To sort 3-D shapes

- I can sort 3D shapes into different groups
- I know that one 3D shape can come in different sizes and colours

Megan is thinking of a shape.
It has a square face.
What could the shape be?

It could be a cube, a cuboid or a pyramid.