Can I recognise and describe 3D shapes? (Y3)

Reasoning and problem solving

This page does not need to be printed. Write the short date you do the work and the above question in your book, underlining them neatly with a ruler.

1) Mo has a 3-D shape, he says,

> One face of my 3-D shape is a square.

What could Mo's shape be?

2) Alex says,

> All 3-D shapes are prisms.

Do you agree with Alex?
Explain why.

3) Sort a selection of 3-D shapes using the criteria in the table.

	At least one triangular face	No triangular faces
Prism		
Not a prism		

Change the headings of the table and re-sort your shapes.

3-D Shapes

Reasoning and Problem Solving

Mo has a 3-D shape, he says,

One face of my 3-D shape is a square.

What could Mo's shape be?

Possible answers:
Cube
Cuboid
Square based pyramid

Alex says,

All 3-D shapes are prisms.

Do you agree with Alex?
Explain why.

I do not agree with Alex e.g. cones pyramids, spheres are not prisms.

Sort a selection of 3-D shapes using the criteria in the table.

	At least one triangular face	No triangular faces
Prism		
Not a prism		

Change the headings of the table and re-sort your shapes.

Various possibilities depending on the shapes used.