

3.1 Three-dimensional space

Checklist

What you should know

By the end of this subtopic you should be able to:

- find the midpoint and the distance of any two points in 3D
- select the correct formulae for finding areas and volumes of 3D shapes from the formula booklet
- count the faces on a pyramid or prism
- calculate the total surface area of a solid by adding together the area of each of its faces
- calculate the volume of pyramids, cones, spheres and combinations of these solids.

