



M31 Solids, surface area and volume

Personal learning checklist | 1 of 1

GCSE Edexcel Mathematics | All three papers | Foundation and Higher

Name _____ Class _____ Date _____

Tick one box for each statement. Red: need help. Amber: partly confident.
Green: can do independently.

Higher statements are labelled. Foundation students use the remaining statements.

I can	Red	Amber	Green
Core methods			
Describe solid properties and draw plans, elevations or nets.	☐	☐	☐
Calculate cuboid or prism volumes and surface areas from dimensions or nets.	☐	☐	☐
Applying and explaining			
Calculate cylinder volumes and surface areas, accounting for open or closed ends.	☐	☐	☐
Calculate cone, sphere and pyramid volumes or surface areas using the appropriate height.	☐	☐	☐
Find composite solid volumes and exposed surface areas, converting capacity consistently.	☐	☐	☐

My next revision priority _____