

Volume & Average Quick Notes

Cuboids, missing dimensions and average reasoning.

P5 / P6

Measurement & Geometry / Statistics

Prep before class. Practise after class. Fix mistakes. Track progress.

Volume core idea

- Volume measures space occupied. Cuboid volume = length x breadth x height.

P5 volume

- Build solids using unit cubes
- Volume of cube/cuboid
- Liquid in rectangular tank
- Relationship between ml and cm^3 where relevant

P6 volume

- Find missing dimension
- Find edge of cube
- Find height given volume and base area
- Find face area from volume and one dimension

Average core idea

- Average = total value / number of data.
- Total value = average x number of data.

Common mistakes

- Using area instead of volume
- Mixing length/breadth/height
- Dividing by wrong number for average
- Forgetting to find total first

Teacher tip

- For average questions, write: Average, Total, Number. Fill in what you know.