

Measurement tool
Graduated cylinder

Method

- Measure the volume of water in the graduated cylinder.
- Add the object to the graduated cylinder.
- Measure the new volume.

Notes

- The volume of the object is equal to the difference between the two volume measurements.
- The volume of the object is the volume of water displaced.

Skills

- Measure the volume of an irregularly shaped object.
- Calculate the volume of an object.

Application

Archimedes' principle

Archimedes' principle states that the upward buoyant force that is exerted on a body immersed in a fluid, whether fully or partially submerged, is equal to the weight of the fluid that the body displaces.

The volume of the object is equal to the volume of the fluid displaced.

