

Comparing Volumes of Liquids

Chapter 11: Filling and Lifting · Topic 2

Key Concept

To compare volumes, we can pour liquids into identical containers and see which level is higher, showing which has more volume.

Sometimes containers look different but hold the same amount - a tall thin glass and a short wide glass might hold the same volume of water.

Using measuring cups or jugs with markings helps us compare volumes accurately, rather than just guessing by looking at the container's shape.

Understanding volume comparison helps us in daily situations, like sharing juice equally among friends or following a recipe correctly.

Quick Revision Notes

- We compare volumes by pouring into identical containers.
- Different-shaped containers can hold the same volume.
- A tall thin glass and short wide glass may hold equal amounts.
- Measuring cups help compare volumes accurately.
- Guessing by shape alone can be misleading.
- Volume comparison helps in daily situations.
- Sharing juice equally uses volume comparison.
- Recipes often require accurate volume measurement.

Practice Questions

- 1 Compare the volume of water in two different-shaped containers.
- 2 Pour the same amount of water into two different glasses and observe.
- 3 Use a measuring cup to measure a liquid at home.
- 4 Explain why shape alone doesn't tell us the exact volume.
- 5 Share a drink equally between two cups and check the levels.
- 6 Follow a simple recipe and measure an ingredient's volume.