# Measurement of capacity

### **Understanding Notes**

- Capacity means how much liquid a container can hold
- The standard units used for measuring capacity are litre (L) and millilitre (mL)
- 1 litre = 1000 millilitres
- We use millilitres for small quantities and litres for large quantities
- While adding or subtracting, keep all units the same
- Convert between litres and millilitres if needed
- Final answer should be written in L and mL clearly

## **Example: (Easy – Comparing)**

## A bottle holds 750 mL of water and another holds 1 L Which one holds more?

- ✓ 1 L = 1000 mL
- ✓ 1000 mL > 750 mL

Answer = The 1 L bottle holds more

## **Example: (Easy – Addition in millilitres)**

#### One glass has 250 mL of juice. Another has 300 mL

#### How much juice is there in total?

✓ 250 + 300 = 550 mL

**Answer** = 550 mL

## Example: (Moderate – Mixed units addition)

#### A jar contains 2 L 300 mL of milk. Another jar contains 1 L 800 mL

- ✓ Litres = 2 + 1 = 3 L
- ✓ Millilitres = 300 + 800 = 1100 mL
- ✓ 1100 mL = 1 L 100 mL
- ✓ Total = 3 L + 1 L 100 mL = 4 L 100 mL

**Answer** = 4 L 100 mL

## **Example: (Moderate – Subtraction with borrowing)**

#### A can contains 5 L 200 mL of oil. 2 L 750 mL is used

- ✓ 200 750 not possible, borrow 1 L = 1000 mL
- ✓ Now 4 L and 1200 mL
- ✓ Millilitres = 1200 750 = 450 mL
- ✓ Litres = 4 2 = 2 L
- ✓ Remaining = 2 L 450 mL

#### **Example: (Moderate – Conversion and subtraction)**

#### A tank has 3500 mL of water. 1 L 750 mL is removed

- ✓ Convert 1 L 750 mL = 1000 + 750 = 1750 mL
- ✓ 3500 1750 = 1750 mL
- ✓ Convert to L and mL = 1 L 750 mL

**Answer** = 1 L 750 mL

## **Summary Points**

- Capacity is used to measure liquids like water, milk, oil etc.
- 1 L = 1000 mL
- Use mL for small amounts and L for larger ones
- Add or subtract litres and millilitres separately
- Convert when needed and show answer clearly in L and mL