

Adding and Subtracting Measures

Understanding Adding and Subtracting Measures

- We can add or subtract measurements like length, weight, and capacity when the units are same.
- If the units are different, first convert them into the same unit.
- Always write the units clearly with the answer.
- This helps in solving real-life problems like finding total weight, total length, or remaining quantity of liquid.

Key Points to Remember

- Convert all measures to the same unit before adding or subtracting
- Add or subtract separately and combine the result properly
- Use correct units in the final answer
- Convert back to bigger units if needed for simpler answers

Mixed Examples with Solutions

Example: Add 3 m and 75 cm to 2 m and 25 cm

Solution: $3\text{ m} + 2\text{ m} = 5\text{ m}$,

$$75\text{ cm} + 25\text{ cm} = 100\text{ cm}$$

$$= 1\text{ m}$$

$$\text{Total} = 5\text{ m} + 1\text{ m} = 6\text{ m}$$

Example: Subtract 1 kg 250 g from 3 kg

Solution: Convert to grams $\rightarrow 3\text{ kg} = 3000\text{ g}$,

$$1\text{ kg } 250\text{ g} = 1250\text{ g}$$

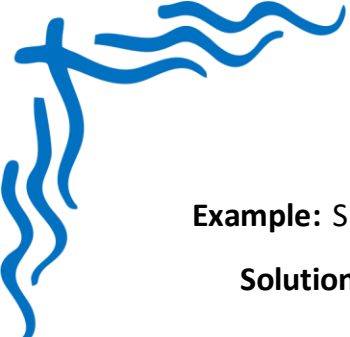
$$3000\text{ g} - 1250\text{ g} = 1750\text{ g}$$

$$= 1\text{ kg } 750\text{ g}$$

Example: Add 1.5 l and 2.25 l

$$\text{Solution: } 1.5 + 2.25$$

$$= 3.75\text{ l}$$



Example: Subtract 400 ml from 1.2 l

Solution: $1.2 \text{ l} = 1200 \text{ ml}$

$$1200 \text{ ml} - 400 \text{ ml} = 800 \text{ ml} = 0.8 \text{ l}$$

Example: Add 2 km 500 m and 1 km 600 m

Solution: $2 \text{ km} + 1 \text{ km} = 3 \text{ km},$

$$500 \text{ m} + 600 \text{ m} = 1100 \text{ m}$$

$$= 1 \text{ km} + 100 \text{ m}$$

$$\text{Total} = 3 \text{ km} + 1 \text{ km } 100 \text{ m} = 4 \text{ km } 100 \text{ m}$$

Summary Points

- Always make units same before adding or subtracting.
- Use basic addition or subtraction steps.
- Convert the final answer back to bigger units if needed.
- Adding and subtracting measures is useful in shopping, traveling, cooking, and sports.
- Practice with different units helps in solving real-life measurement problems easily.