

Measurement of Weight

Understanding the Topic

- Weight tells us how heavy or how light something is.
- We measure weight using:

Balance scale



Weighing machine



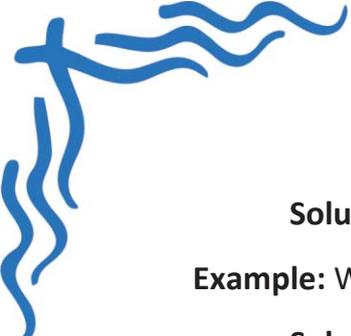
- We measure weight in units like grams (g) and kilograms (kg).
- Small and light objects are measured in grams.
- Big and heavy objects are measured in kilograms.
- 1000 grams = 1 kilogram.

Important Points

- A watermelon is heavy and measured in kilograms.
- An apple is lighter and can be measured in grams.
- Balance scales compare two objects by checking which side goes down.
- Weighing machines show exact weight on a screen or dial.
- 1 kilogram is heavier than 1 gram.

Examples with Solutions

Example: Which is heavier – a bag of rice or a pencil box?



Solution: A bag of rice is heavier.

Example: What unit do we use to measure the weight of a chocolate bar?

Solution: We use grams (g) to measure it.

Example: A watermelon weighs 3 kilograms. How many grams is that?

Solution: $3 \times 1000 = 3000$ grams.

Example: Which is lighter – a feather or a stone?

Solution: A feather is lighter.

Example: If a watermelon is 2 kg and a pumpkin is 5 kg, which one is heavier?

Solution: The pumpkin is heavier because $5 \text{ kg} > 2 \text{ kg}$.

Summary

- Weight tells us if something is heavy or light.
- We measure weight using a balance or a weighing machine.
- Grams are used for light things, kilograms for heavy things.
- 1000 grams make 1 kilogram.
- Heavier objects have more weight and lighter objects have less weight.